



Institute of Paper Science and Technology

PHYSICAL PROPERTIES OF LIBRARY BOOKS
DEACIDIFIED BY WEI T'O ASSOCIATES, INC.

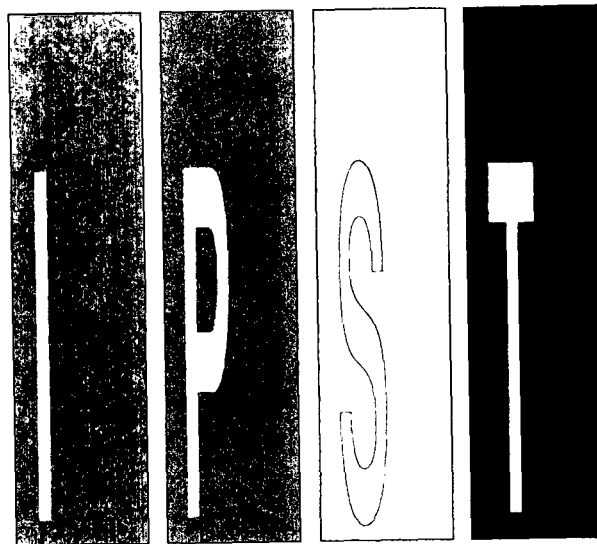
Report To
THE LIBRARY OF CONGRESS
CONTRACTS & LOGISTICS SERVICES
1701 Brightseat Road
Landover, Maryland 20785

in response to
SOLICITATION NO. RFP90-32

June 10, 1991

Project 3717

Report 3



Atlanta, Georgia

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SUMMARY

The Library of Congress has more than 85 million books and other works on paper in its General and Law Collections. Many of these had been printed on acid-based paper and, thus, are deteriorating at a rapid rate.

Several mass deacidification processes are now available which offer the opportunity of extending the life of the collection. The Library intends to select one of these processes to treat as many books in the collection as will benefit from the treatment.

Toward this end, samples of about 500 old and new books were treated by each of three processes. The treated books, along with a similar sample of untreated books, were tested in the laboratories of the Institute of Paper Science and Technology for a variety of properties. The Library plans to use the test results to assist it in the selection of a treatment process.

This report presents the results of the tests made on books which had been treated by Wei T'o Associates. Similar data for books treated by two other processes are given in Reports 1 and 2. Data for the untreated books are given in Report 4.

It is not within the scope of this project to comment on the relative merits of the various deacidification processes.

BACKGROUND

This project was undertaken to obtain data documenting the results of laboratory tests and evaluations of samples taken from sets of books treated by a mass deacidification processes at Wei T'o Associates. The collection of books treated by Wei T'o Associates is referred to as Demonstration Set 3. A similar collection of untreated books is identified as Demonstration Set 8.

Due to the acid content of paper, books in the Library of Congress, hereinafter called the Library, collection are deteriorating at a rapid rate. About 25 percent, or 3.5 million volumes, of the General and Law collections are presently classified as brittle. Each year, a significant number of additional books become similarly brittle.

The Library seeks to preserve and extend the life of paper-based books in their present physical format before they reach a completely unusable condition. To abate, insofar as practicable, the embrittlement of acidic books, and to protect the collections from the future effects of acid-related damage, the Library has decided to deacidify all paper-based books which will benefit from the process. The library intends to select a process from the deacidification technologies available today.

To this end, the Library issued a request for proposals to provide deacidification on a mass production level for paper-based books in the collections of the Library. Offerors submitting proposals were required to deacidify a demonstration set of approximately 500 books to confirm the effectiveness of their proposed process.

Each treated demonstration set, in addition to a comparable untreated control set, were sent to the Institute of Paper Science and Technology hereinafter called the Laboratory. These were then tested under uniform conditions for a variety of physical, chemical, and appearance properties.

Properties evaluated included moisture content, odor, general condition, temperature exposure, leaching of inks and dyes, pH (hot and cold extract), alkaline reserve and completeness of deacidification. Selected samples were subjected to accelerated aging at an elevated temperature in a humid environment. These were tested to determine the degradation rates of folding endurance, tensile properties, brightness, opacity, hot alkali solubility, and retention of alkaline reserve. Except where inappropriate, samples for each test were randomly selected.

Each demonstration set was identified with a demonstration set number and the name of the mass deacidification offeror. Additional codes were used to identify boxes, individual books, and parts of books. The relationship between these various systems of identification were only known to those people responsible for management of the testing project. All testing was done "blind", i.e., testing personnel were unaware of the identity of the offeror whose samples were being tested.

The procedures used for performing the various tests, and a summary of the test results for this demonstration set, are given in the main body of this report. The individual test results are given in the Appendix. The results for the untreated control sample are given in Report 4 of this project.

DEMONSTRATION SETS

Each demonstration set consisted of a sample of approximately 500 books generally representative of the Library's General and Law collection.

Each demonstration set was made up of the items listed below:

1. Old Books - A collection of 385 old books, chosen to be representative of the Library's collections.
2. New Books - A collection of approximately 100 new books purchased for demonstration and testing. These 100 books were identical in each demonstration set, and were distributed throughout the demonstration set.
3. Half Books - A collection of 17 half books (included among the books described above). Half books are books that have been cut into two equal pieces by the Library. The bottom halves were treated by the mass deacidification offeror, and the untreated top halves were sent from the Library directly to the Laboratory.
4. Temperature Sensors - Approximately 40 temperature sensors, attached in pairs to approximately 20 books distributed throughout each demonstration set.
5. Attached Filter Papers - Samples of filter paper inserted in or attached to the cover of approximately 25 books, in order to detect softening and leaching of inks and dyes.

6. Loose Filter Papers - Twenty five filter paper samples not attached to any book, each piece in a separate plastic sleeve. These samples had been distributed evenly throughout the deacidification chamber or, for continuous flow/sequential processes, throughout the process flow by each mass deacidification offeror in the treatment stage.
7. Test Books - A collection of approximately 15 identical books that had been assembled to include a variety of new papers described in the next section of this report.

The demonstration sets were shipped to the Laboratory in corrugated boxes. Each box contained an average of twelve (12) books. The books in each box were double wrapped in plastic bags, with each bag tied shut. Each box had been taped shut after the bagged books were inserted.

COMPOSITION OF TEST BOOKS

Several different test papers had been used to assemble the Test Books. The kinds of papers used, their quantity, and their order within each Test Book are identified below. Only parts G, H, K, and M were used for testing in this project.

Book Part	Description
A	Cover of Heckman 598 Navy Blue Buckrum over binder board
B	Two (2) flyleaves
C	Clear Spring Offset, 16 sheets
D	One sheet of brown paper
E	Filler paper of ordinary white printing Paper - 1 3/8"
F	One sheet of brown paper
G	Clear Spring Offset, 16 sheets
H	Alum rosin sized paper, 16 sheets
I	Sterling Litho Gloss, 8 sheets
J	Supercalendered paper, 32 sheets
K	Alkaline sized paper, 16 sheets
L	Alkaline sized paper, 8 sheets
M	Newsprint, 16 sheets
N	Whatman No. 1 filter paper, 8 sheets
O	One sheet of brown paper
P	Filler paper of ordinary white printing paper - 1 3/8"
Q	One sheet of brown paper
R	Clear Spring Offset, 16 sheets
S	Two (2) flyleaves
T	Cover of Heckman 598 Navy Blue Buckrum over binder board Key:

Alkaline Sized: Mowhawk Super Fine White Text Smooth Finish, Alkaline sized. Mill no. 20-1718; Basis weight 70 lbs.; acid free, Ph 7.5+; alkaline buffer; alum and rosin free; not coated; some calendaring; brightness 88; opacity 95.5 to 96.

Alum Rosin Sized: Hammermill South Shore Offset White Smooth Finish. Mill no. 73514-A1; Basis weight 50 lbs.; alum rosin sized; uncoated; not super calendared; brightness 82; contains alum rosin if purchased before June 1988.

Clear Spring Offset: Westvaco Clear Spring Offset. Basis weight 70 lbs.; uncoated; brightness 77 to 81.

Newsprint: Newsprint, Natural Shade. JCPA 10, Property #056502; acid.

Sterling Litho Gloss: Westvaco Sterling White Litho Gloss. Basis weight 70 lbs.; coating is alkaline; core is acid; gloss; coated; brightness 83 to 84.

Supercalendered: Hammermill Lustre Opaque Offset, supercalendered, uncoated. Mill No. 25 x 35 - 140M - S70; #14083-0; Basis weight 140 lbs.; uncoated; white; alkaline; brightness 92.

Whatman No. 1: Fisher Scientific, Whatman No. 1.

IDENTIFICATION OF ITEMS IN DEMONSTRATION SETS

Each item in a demonstration set had been previously labelled by the Library with a barcode label containing a unique Control Number. Labelling procedures specific to each type of item are given below.

Books - A barcode label containing the assigned control number was affixed to the spine, or to the front cover of narrow books. An identical label, containing the same control number, was affixed to the title page. The control number was also written in pencil on the title page.

Half Books - Half books received labels on both halves. The control numbers assigned to the two halves were identical except for a single letter suffix: "A" for the top half, and "B" for the bottom half.

Filter Papers - Both the loose filters and those attached to books were identified with a barcode label and had the control number written in pencil.

Temperature Sensors - Each temperature sensor (self-adhesive model #240 Wahl "Temp-Plate Recorder") had a barcode label attached adjacent to it.

All of the above labels were assigned and attached by the Library. The unique control number for each unit is used to identify all data in this report.

Further coding of samples was done by the Laboratory to assist in sample tracking, retrieval, and storage. For this purpose, each shipping box, regardless of the source demonstration set, was assigned a randomly selected three number code. Each item in the box was identified by this code along with a sequential number (1, 2, 3, etc.). Further identification included a book part (letter) and sheet sequence number for test books, a page number for non-test books, or a sheet number for filter papers. Additional numbers were added to this code to identify parts of pages where required, and/or aging periods for samples exposed to accelerated aging.

The code numbers assigned by the Laboratory were marked in ink on all samples and/or specimens, and was used to identify all data recorded on data sheets or in research notebooks. Testing personnel were not apprised of the relationship between these codes and either the demonstration set number or the name of the mass deacidification offeror.

RECEIPT AND STORAGE OF BOOK SHIPMENTS

Upon receipt of a demonstration set, a preliminary inventory was made by the Laboratory, comparing packing lists attached to boxes with a comprehensive list provided by the Library. No discrepancies were found for the demonstration set included in this report.

The boxes were then marked with the Laboratory code numbers and stored on library type shelves. The storage area was maintained at 75 ± 5 degrees F and 50 ± 5 percent relative humidity.

From a separate list of boxes containing test books or half books, one box containing a test book and one containing a half book were randomly selected. These were marked "Unopened at Laboratory", the contents were not further inventoried, and the items in the boxes were excluded from those available for testing.

The sealed boxes and bags in which the demonstration books were shipped were not opened until it was necessary to retrieve a selected sample. At that time, the contents of the box were inventoried and compared with the packing list for the box. The required sample was removed and the bags and box immediately resealed. No inventory discrepancies were found for any of the boxes of this demonstration set.

Special care was taken in handling of samples selected for the following two tests:

- a. Moisture content - Books selected for this test were kept sealed in the bags and boxes in which they were shipped until the time the testing began. At that time, each selected book was extracted from the shipping box and immediately sealed in a tared moisture-proof bag.
- b. Odor evaluation - To insure that all books selected for this procedure were exposed to ambient air for an equal amount of time when evaluated, the books were kept sealed in the shipping boxes and bags until the panel was convened. Selected books were then extracted from the shipping boxes and sealed in individual moisture-proof bags. The individual bags were removed from all selected books two hours before the panel began the evaluation.

Upon completion of testing, all books were repacked in their original bags and boxes, and in their original order within each box. Filter papers removed from books for evaluation were repacked, each in a separate protective sleeve, in the final box of each demonstration set. Specimens which had been tested for fold endurance, tensile properties (except those used for alkali solubility), and brightness were placed in suitably identified envelopes and stored with this demonstration set.

TESTING PROCEDURES

All data were derived by (a) using standard test procedures of the Technical Association of the Pulp and Paper Industry (TAPPI) or the American Society for Testing and Materials (ASTM), or modifications of these test procedures as prescribed by the Library; or (b) following fixed protocols established by the Laboratory and approved by the Library for odor and condition evaluation panels.

The following official test methods of TAPPI, Technology Park, P.O. Box 105113, Atlanta GA 30348-5113 were used in part or in whole in testing untreated and deacidified books:

- T212 One percent sodium hydroxide solubility of wood and pulp.
- T402 Standard conditioning and testing atmospheres for paper, board, pulp handsheets, and related products.
- T412 Moisture in paper and paperboard.
- T425 Opacity of paper.
- T435 Hydrogen ion concentration (Ph) of paper extracts (hot).
- T452 Brightness of pulp, paper, and paperboard.
- T483 Odor of packaging materials.
- T494 Tensile breaking properties of paper and paperboard (using constant rate of elongation apparatus).
- T509 Hydrogen ion concentration (pH) of paper extracts (cold).

T511 Folding endurance of paper (MIT tester) (0.5 kg tension).

T544 Effect of moist heat on properties of paper and board (50% relative humidity generated in a moist oven was substituted for 25% relative humidity generated in a two-bath control system).

The following standards published by ASTM, 1916 Race Street, Philadelphia PA 19103-1187 were used in part or in whole in testing the untreated and deacidified books:

D4988 Determination of calcium carbonate content of paper (in vol. 15.09, p. 804)

E619 Standard practice of evaluation of foreign odors in paper packaging (in vol. 15.07, p. 31).

The following publications of ASTM were consulted for the creation and functioning of the odor evaluation panel:

STP 434 Manual on Sensory Testing Methods (1968).

STP 758 Guidelines for the Selection and Training of Sensory Evaluation Panels (1981).

Many of the procedures require random selection of books or paper samples from those available for test. This objective was met by first listing the units available for the required test in order of control number.

A random number was then generated from a population equal to the number of units. The control number corresponding to the generated random

number was then selected for the test. For example, if 15 test books were available for a given test, and the number 3 was randomly generated from a population 1 to 15, then the test book having the 3rd lowest control number would be selected.

The tests described below were performed on each demonstration set received, including the untreated control set supplied by the Library. Tests were performed on individual books and book parts. In no case were specimens from different books or book parts combined for testing.

Moisture Content

Moisture content was determined in two ways:

(A) on whole books

(B) on sheets taken from books

(A) WHOLE BOOKS

Objective: The object of this procedure is to determine the moisture content of whole deacidified books.

Sample Selection: Ten (10) non-test books were selected at random from each demonstration set for this test.

Preparation for Test: The books selected for this test remained sealed in the boxes and bags in which they were shipped until the time scheduled for testing. At the scheduled time, each selected book was removed from the shipping box and placed in a tared, moisture-proof bag.

Testing: (a) Each bagged book was weighed to the nearest 0.2 gram, and the weight of the bag was subtracted in this and future weighings.

(b) Each book was removed from its bag and exposed in a vacuum oven at 105 degrees C for 24 hours, with a vacuum pulled continuously on the oven.

(c) Each book was removed from the oven at the end of 24 hours, placed in the tared plastic bag, allowed to cool, and weighed.

(d) Steps (b) and (c) were repeated until the weight change between two successive weighings did not exceed 0.5 grams.

(e) Using the last weighing as the oven-dry weight of the book, the moisture content was calculated based on the initial moist weight of the book.

(B) MOISTURE CONTENT OF SHEETS FROM A BOOK.

Objective: The object of this procedure is to measure the moisture content of individual sheets taken from deacidified books. The procedure and precautions stated in T412 were used during this test.

Sample Selection: Four (4) non-test books were selected randomly from each demonstration set for use in this test.

Preparation of Specimens: Four (4) sheets were selected from each book. The sheets were taken from locations approximately 1/5, 2/5, 3/5 and 4/5 through each book. Each sheet was torn from the book, torn into pieces, and stuffed into a tared weighing bottle, all in less than 5 seconds. The page number of each sheet was noted in the specimen identification.

Note: The inside of a closed book responds very slowly to forces that would change its moisture content. However, when the book is opened, the exposed leaves will quickly absorb or desorb moisture, depending on the relative humidity of the surrounding atmosphere and the moisture content of the book. The 5 second time limitation was aimed at minimizing this effect.

- Testing:
- (a) Each specimen was weighed in the weighing bottle to the nearest 0.001 gram and the weight of the bottle subtracted in this and future weighings.
 - (b) The specimens were exposed in a circulating oven controlled at 105 degrees C for 30 minutes. The bottle stoppers were removed during this and subsequent exposures.
 - (c) The bottles were restoppered at the end of the 30 minute exposure before removing the bottles from the oven.
 - (d) The bottles were removed from the oven and allowed to cool for 15 minutes.
 - (e) The stopper was loosened to allow pressure to equilibrate, and the bottle was weighed.
 - (f) Steps (b) through (e) were repeated, doubling the oven exposure time for each subsequent cycle, until two successive weighings did not differ by more than 0.1% of the weight of the specimen.
 - (g) Using the last weighing as the oven-dry weight, the moisture content was calculated based on the moist weight of the specimen.

Odor Evaluation

Objective: The objective of this procedure was to determine if any detectable odor was generated by the deacidification process. For this purpose, books were evaluated by a panel comprised of two librarians and two book conservators. The selection, qualification, and training of panelists, and the testing protocol, were based on TAPPI T483, ASTM E619, ASTM STP434, and ASTM STP 758.

Qualification of Panelists: The paired comparison technique described in ASTM STP434 was used to qualify the panelists. For this purpose, each panelist was first presented with five odors along with their identification. Each of the five odors was then presented along with a similar comparison odor, and the panelist was asked to identify the original odor. All of the selected panelists were able to pass this test without an error. The test was administered by a professional from Emory University.

Sample Selection: Twenty-five non-test books were selected at random from this demonstration set. Further randomizing was done combining the list of books from this demonstration set with that for 2 other treated demonstration sets and the untreated control set.

Preparation for Evaluation: Each selected book was removed from its sealed shipping bag and immediately placed in a separate zip-lock bag. This step was taken two hours before the panel was ready to begin evaluations. Just prior to the evaluation, the books were removed from the zip-lock bags in the established random order and distributed on tables.

Evaluation: The ASTM Odor Characterization procedure was used for the evaluation. Panelists were instructed to fan the pages of the book being tested and then record their first impression. ASTM recommends a minimum of 40 seconds between successive specimens to restore discriminating power. The panelists were instructed to use a time interval of at least 60 seconds, and to take rest periods whenever they felt the need.

Each book was evaluated on a 5-point intensity scale as follows:

- None (0 points) - No detectable odor.
- Threshold (1 point) - Detectable odor with intensity so low that it cannot be identified.
- Slight (2 points) - The lowest intensity odor which can be identified.
- Medium (3 points) - Subjective level between Slight and Strong.
- Strong (4 points) - Overpowering odor.

Summing the points for the twenty-five books of each demonstration yields a score ranging from 0 if there is no detectable odor in any of the books, to 100 if the odor is judged overpowering for all twenty-five books.

Temperature Exposure

Objective: The objective of this test was to determine whether any books had been exposed to temperatures higher than 70 degrees C (158 degrees F) during the deacidification process.

Sensor Locations: Temperature sensors were attached in pairs to selected books before the treatment process. One of each pair of sensors covered a temperature range of 120 to 180 degrees F, and the other a range of 160 to 220, degrees F. Each pair of sensors was attached to one of four locations, front cover, back cover, spine, or inserted in the text block.

Sample Selection: A list of all books containing sensors was provided by the Library. All of these, except for those in boxes designated to remain unopened were evaluated.

Testing: Each sensor was examined to determine the maximum temperature to which it had been exposed. The results for temperature sensors which did not indicate any temperature exposure within the range of the sensor were recorded as <120 for the low range sensor, and <160 for the high range sensor.

Evaluation of Filter Papers

Filter papers were exposed to the deacidification processes in two ways:

- A. Loose filter papers
- B. Filter papers attached to books

Objectives: The object of this procedure is to determine if any inks or dyes have leached out of the cover, text, or illustrations of deacidified books.

Sample Selection:

All filter papers, except those in boxes that remained unopened, were evaluated. These included the following:

- A. Twenty five loose filter papers were received with each demonstration set. These were packaged in plastic sleeves and separated from the books of the demonstration set. They had previously been evenly distributed through the deacidification process.
- B. Approximately twenty books of each demonstration set had filter papers attached to the cover or to a page of the text block.

Evaluation: The filter papers were evaluated by two staff professionals of the Optical Properties Group at the Laboratory.

A. The loose filter papers for each treated demonstration set were evaluated subjectively for any evidence of color change, relative to control samples that had not been through a treatment process.

The evaluation included an estimate of luminosity change (same, lighter, darker) and direction of color change (red, yellow, green, blue).

B. The attached filter papers were examined for evidence of any leaching of inks or dyes from the surface against which they were placed. A subjective estimate was made of the percent of area of each attached filter showing bleeding or leaching.

Condition Evaluation

Objective: The objective of this evaluation is to gather data on the general condition of books that have been treated by a deacidification process.

Panel: A panel was convened for the purpose of examining and reporting on the condition of books after deacidification. The panel was composed of two (2) professional librarians, two (2) book conservators, and two (2) paper conservators. One panelist in each category was an employee of the Library.

Sample Selection: The panel evaluated the general condition of all books in each demonstration set, except for those in the following categories:

- (a) Test Books
- (b) Non test books selected for moisture, pH, and alkaline reserve tests.
- (c) Books packed in the two boxes that remain unopened.

Evaluation:

- (a) Whole Books. Panel members examined each book for process related abnormalities of the cover, labels, text block, ink, paper, and binding, and for any evidence of cockling or abnormal shape or condition. Check off data sheets were used to record any observed abnormality. The panelists were also asked to record any comments they felt were appropriate to help describe the condition of the books.

(b) Half Books. For half books included in each demonstration set, the corresponding untreated halves were sent directly from the Library to the Laboratory. The panelists compared each treated half book with its corresponding untreated half for indications of change in or damage to the same areas as described above for whole books.

Testing Protocol: All of the books from one box were presented to each panelist as a group. The books were removed from the box and placed on a library display table, so that the panelists did not know from which demonstration set the books were taken. The boxes from all four demonstration sets were grouped and then randomized. The books were repacked in their original boxes after the panelists had completed their evaluations.

Rejection Scoring: Each panelist was allowed to reject a book in one or more of seven categories: shape, front cover, spine, back cover, front end plate, back end plate, and text block. For each category, the number of books rejected by a given panelist was divided by the number of books in the demonstration set, and this result multiplied by 100 to obtain a percent rejection. The rejection score for the demonstration set was finally calculated as the average percent rejection for the 6 panelists. Hence, a percent rejection of 100 indicates that all 6 panelists rejected all of the books of the demonstration set.

Hydrogen ion Concentration (pH)

Objective: The objective of this test is to determine the pH of samples of deacidified paper using both cold and hot extraction methods.

Sample Selection: Six non-test books, three half books, and one test book were randomly selected from each demonstration set for this test. The same samples were used for both the cold and hot extraction methods.

Preparation of Specimens: Five sheets were selected at random from each book (only from part G of the test book), and two specimens were taken from each sheet. Sheets adjacent to the selected five were used, if necessary, to obtain the required weight for the two specimens.

Testing: The cold extraction method described in TAPPI method T509 was used to determine the pH for the ten specimens of each book. The hot extraction method described in TAPPI method T435 was then used to determine the pH for the same ten specimens of each book.

Alkaline Reserve (percent calcium carbonate)

Objective: The objective of this test is to determine the level and uniformity of alkaline reserve in deacidified books.

Sample Selection: Ten non-test books were randomly selected from each demonstration set for this test.

Preparation of Specimens: Eight sheets were selected, in adjacent pairs, from each book. The four pairs were distributed approximately equally throughout the book, i.e., at locations approximately 1/5, 2/5, 3/5, and 4/5 through the book.

For each pair of adjacent sheets, the first sheet was cut in fourths vertically, and the pieces numbered 1, 2, 3, and 4, from left to right. The second sheet was cut in fourths horizontally, and the pieces numbered 5, 6, 7, and 8, from top to bottom. Each 1/4 sheet specimen was identified as to the number of the specimen and the book and page from which it was taken.

Note: Pages adjacent to those selected were used, if necessary, to obtain the required weight for the specimens.

Testing: The alkaline reserve was measured for each specimen using the procedure described in ASTM D4988.

Completeness of Deacidification

Objective: The objective of this test is to measure the consistency of deacidification throughout a large sample of treated books.

Order of Test: The procedure was performed after the Condition Evaluation Panel had completed its work.

Sample Selection: All non-test books except those selected for moisture, pH, alkaline reserve, and those packed in boxes that remain unopened, were tested. A single page falling approximately at the center of each book was selected for testing.

Testing: Each selected page was inscribed, using a cotton swab dipped in a one percent chlorophenol red indicator solution, with three broad stripes - one vertical stripe running close to the gutter of the binding, and two diagonal stripes crossing at the center and connecting opposite corners of the page.

Books for which any part of the stripes indicated a yellowish color were classified as incompletely treated. For these, a second classification was made estimating the percentage of the striped area which was incompletely treated.

Tests Requiring Accelerated Aging of Samples

Accelerated Aging: Accelerated aging at 90 degrees C and 50% relative humidity was employed to test the long term stability of paper samples. The procedure described in TAPPI method T544, modified to 50% RH, was followed. All of the samples from one demonstration set were exposed together in a single aging chamber, and no other material was introduced into the chamber during the aging process. This same procedure was followed for all demonstration sets.

Two aging chambers were used simultaneously during this project. The codes used to identify samples within and between demonstration sets was necessarily known by the technician responsible for aging the samples. However, these codes were not provided to the testing technicians. Hence, personnel performing tests did not know the demonstration set source for the samples being tested.

Preconditioning: All samples were preconditioned for a minimum of 24 hours at 20% relative humidity before being introduced into the aging chamber. Samples were again preconditioned for 24 hours at 20% relative humidity after aging, and before conditioning at 50% relative humidity for testing.

Samples: The following test book papers were exposed to accelerated aging and used in subsequent testing:

Book Part G	Clear Spring Offset, acid
Book Part H	Alum-rosin sized paper
Book Part K	Alkaline sized paper
Book Part M	Newsprint, acid

Identification of Test Samples: The test sheets in each of the four book parts were numbered in the top righthand corner with ink before they were cut out for aging. The numbering sequence included the book number, section letter, and finally the sheet number which ranged from 1 to 16. The binding edge of the sheets was kept to the left in all subsequent operations.

Assignment of Samples to Aging Periods: Two of the 16 sheets were randomly selected for the unaged sample and for each of the 7 required aging periods.

Aging: After all of the required pages were cut, marked, and preconditioned, the samples were introduced into the aging chamber. The humidity control heaters were not activated until the temperature in the chamber had reached the control level of 90 degrees C. This step prevents any condensation of moisture on the sample.

The preselected samples were removed from the chamber after 3, 6, 9, 12, 18, 24, and 30 days. These were preconditioned as described earlier and then submitted to the test laboratory for conditioning and testing.

Folding Endurance

Objective: The object of this procedure is to determine the effect of deacidification on the stability of selected test papers, using MIT fold endurance as the criteria.

Sample Selection: Three (3) randomly selected test books from each demonstration set were tested. Tests were made for book parts G, H, K, and M.

Conditioning: All samples were preconditioned and conditioned in accordance with TAPPI T402 before testing.

Preparation of Specimens: Keeping the binding edge uniformly to the left, and cutting across the sheet, 12 specimens were cut from each of the two sheets selected per aging time, for each of the four sections of each book. The 12 specimens cut from each sheet were numbered from 1 to 12 starting with specimen number 1 at the top of the sheet.

Testing: MIT fold was measured as described in TAPPI T511 modified to 0.5 kg. tension. To avoid mixing samples, only one sheet was cut and tested at any one time. Cutting of the next sheet did not begin until the last tests were underway for the proceeding sheet.

Tensile Strength, Stretch, and Tensile Energy Absorption

Objective: The object of this procedure is to determine the effect of deacidification on the stability of selected test papers, using tensile properties (tensile strength, stretch, and tensile energy absorption) as the criteria.

Sample Selection: Three (3) randomly selected test books from each demonstration set were tested. Tests were made for books parts G, H, K, and M.

Conditioning: All samples were preconditioned and conditioned in accordance with TAPPI T402 before testing.

Preparation of Specimens: Keeping the binding edge uniformly to the left, and cutting across the sheet, 10 specimens were cut from each of the two sheets selected per aging time, for each of the four sections of each book. The 10 specimens cut from each sheet were numbered from 1 to 10 starting with specimen number 1 at the top of the sheet.

Testing: Tensile tests were made with a constant rate of elongation tester, as described in TAPPI T494. For each specimen, the tensile strength, stretch (percent elongation), and tensile energy absorption were recorded.

Brightness

Objective: The object of this procedure is to determine the effect of deacidification on the brightness of selected papers.

Sample Selection: Three (3) randomly selected test books from each demonstration set were tested. Tests were made for book parts G, H, K, and M. Only 8 of the 16 available sheets were schedule for brightness testing, 1 for unaged tests and 1 for each of the 7 aging periods. All 16 sheets were inadvertently tested, and the extra test results are included in the report.

Preparation of Specimens: From each sheet, 9 tabs were cut and numbered in accordance with the pattern shown below. Tabs were cut 65 x 90 mm.

1	2	3
4	5	6
7	8	9

Tab number 1 is the specimen cut from the top of the page nearest the binding edge.

Testing: The brightness of each of the 9 tabs was measured as described in TAPPI T452, with each tab backed by the other 8 tabs in numerical order.

The brightness of one tab of each sheet was measured with and without fluorescence.

Opacity

Objective: The object of this procedure is to determine the effect of deacidification on the opacity of selected papers.

Sample Selection/Preparation of Specimens: The specimens that had been used for the evaluation of brightness (all 3 books for each demonstration set, and all 4 parts from each book) were used as the source of specimens for this procedure. However, only those specimens which were unaged and those which had been aged 30 days were tested for opacity.

Testing: The opacity of each of the 9 tabs from each sheet was measured following the procedure specified in TAPPI T425.

One Percent Sodium Hydroxide Solubility

Objective: The object of this test is to determine the effect of deacidification on the hot alkali solubility of selected test papers.

Sample Selection: The remnants of the specimens used for the measurement of tensile properties were used as a source of specimens for this procedure. Specimens from three (3) test books were used for the measurement of tensile properties. Two (2) of these were selected randomly for the measurement of alkali solubility. Tests were made for book parts G, H, K, and M.

Preparation of Specimens: For each book part tested for tensile properties, 2 sheets were used as sources of specimens for each aging period. The remnants of those 2 sheets were combined, cut into small pieces, and mixed well. Two specimens were weighed out from the resulting batch for the measurement of alkali solubility.

Testing: TAPPI test method T212 specifies the use of a medium porosity filtering crucible for filtering the extract. It was found that the filtration process took many hours for some of the papers used in this study. With the approval of the Library, a coarse filter was substituted and the first 25 ml. of the filtrate was washed through a second time. Otherwise, the tests were made in accord with TAPPI T212.

Retention of Alkaline Reserve after Accelerated Aging

Objective: The object of this procedure is to determine how much alkaline reserve is retained after accelerated aging at 90 degrees C and 50% relative humidity.

Sample Selection: Two (2) randomly-selected test books from each demonstration set were tested. The alkaline sized paper (book part K) was not tested with this procedure. Tests were made using only book parts G, H, and M.

Preparation of Specimens: The two-sheet sample assigned to each aging period was cut into small pieces approximately 1 cm. square, and the pieces mixed well. Two (2) 1-gram specimens were weighed out from each sample for testing.

Testing: Alkaline reserve was determined for each 1-gram specimen using the procedure described in ASTM D4988.

TEST RESULTS

This section of the report includes a summary of the test results for all procedures and, where appropriate, a comparison of results for this treated demonstration set and the untreated control set. It is not within the scope of this project to comment on the reasons for any differences.

The individual test results for all procedures are attached as an appendix to this report.

Moisture Content Data

The moisture content data is reported on Page A-1. For tests made on whole books, the results are given for each individual book in addition to the average and standard deviation for the 10 books. For tests made on individual pages from a book, the results are given for each page separately. The page number tested, and the control number of the book is also given. The reported average and standard deviation is for all 16 tests, 4 on each of 4 books.

The moisture contents for different pages taken from the same book may not always agree with each other. We attribute this to different grades of paper sometimes used for different sections of the same book.

The average whole book moisture content may be different from the average for individual pages. The whole book moisture includes that for the covers, spine, and adhesive, whereas the individual sheet moisture does not.

The results show that the moisture contents for this demonstration set is 3.53 and 3.57% for whole book and individual page measurements, respectively. This is somewhat lower than the moisture contents of 5.56 and 4.99, respectively, for the untreated demonstration set (Report 4, page A-1)

Odor Evaluation Data

The odor evaluation results for the four panelists, identified as A, C, D, and F, are given on Pages A-2 through A-5 of the appendix. These data show significant differences of opinion between panelists. Panelist A classified the books as none to strong, Panelist F as either none or threshold, and Panelists C and D between none and moderate.

As discussed earlier under procedures, summing the points for a given panelist for all twenty-five books, yields a numerical score for the demonstration set ranging from 0 (no odor) to 100 (strong odor). The score for each panelist, and an average score for the four panelists is shown in Figure 1. The results for the untreated demonstration set received from the Library (Report 4) is shown for comparison purposes.

The results show that there is a significant odor given off by the books in this demonstration set, and that the odor is attributable to the deacidification process.

The panelists were asked to comment on any items they considered appropriate. The following is a summary of these comments:

1. All four panelists stated that they developed headaches and sore throats during the evaluation.
2. All four panelists stated that their hands became tacky during the evaluation, presumably from handling the books.
3. One of the panelists noted that the odor from five books of this demonstration set was unpleasant.

It should be noted that the books from all four demonstration sets were intermixed during the evaluation. Hence, it is not known which, or how many, of the deacidification processes contributed to the health issues. Two of the four panelists noted that the tackiness was attributable to books from demonstration sets other than this one.

Odor Evaluation

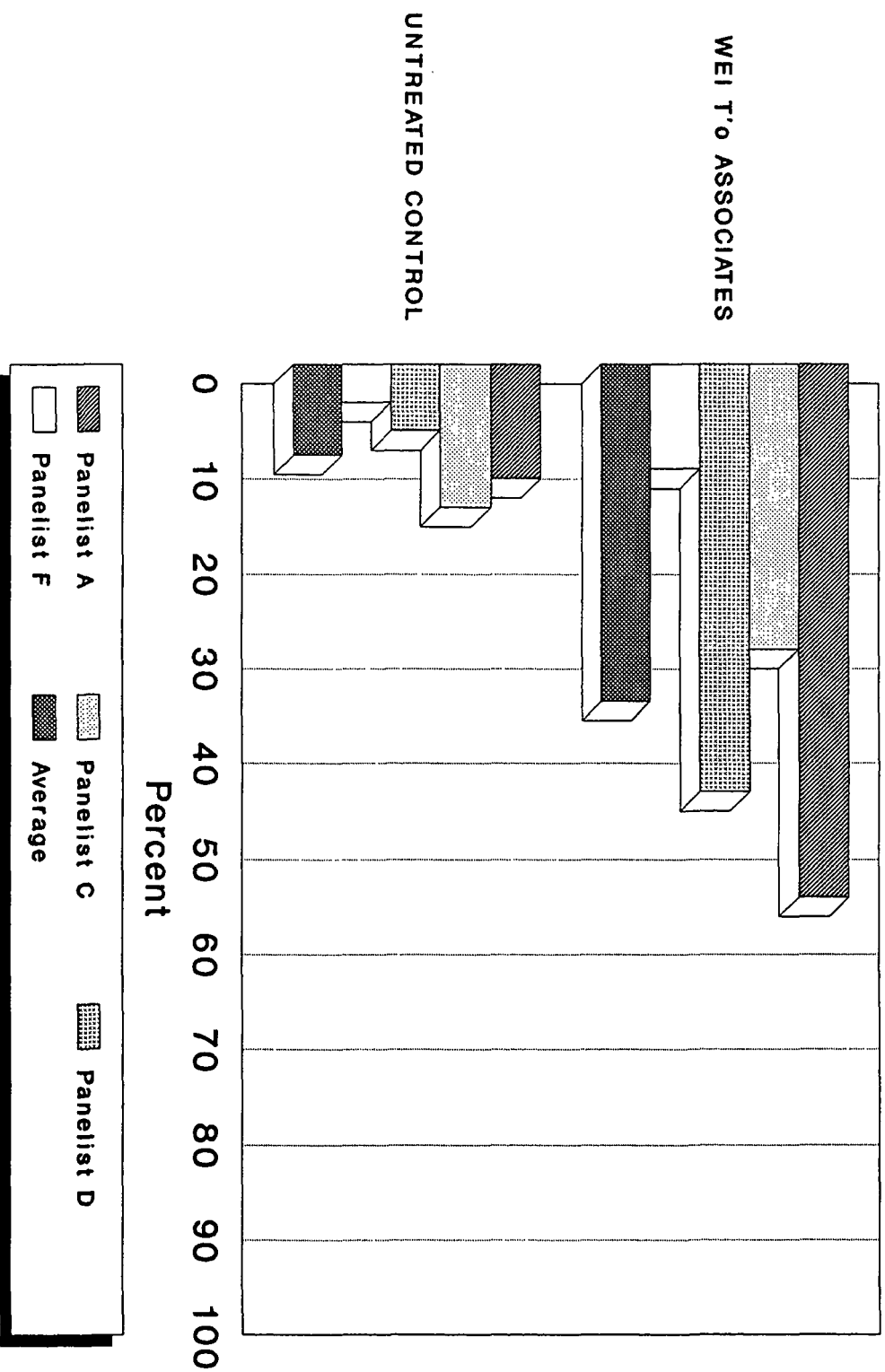


FIGURE-1

25 books from each demo set

Temperature Exposure Data

The maximum temperature to which each sensor was exposed is given on Page A-6. The Table includes the link number of each book containing sensors, the corresponding control numbers of the two sensors, and the location of the sensors in the books. Sensors in 16 books were evaluated for this demonstration set.

The results show that the maximum exposure temperature was less than 120 degrees for 2 books, at least 120 but less than 140 degrees for 12 books, and at least 140 but less than 160 degrees for 1 book. The low range sensor for the remaining book indicated a temperature exposure of 140 to 160 degrees, and the high range sensor an exposure of 180 to 200 degrees.

Filter Paper Evaluation Data

Loose Filter Papers: The results for the loose filter paper evaluations are given on Pages A-7 and A-8. The results for the two evaluators are reported separately. Hence, each control number appears twice.

As discussed earlier in the Procedure section, the loose filter papers were subjectively compared to filter papers which had not been through the deacidification process.

The results show that all of the filter papers were judged to have changed in color relative to the control filters. For most of these, the filters appeared darker, with a color change toward yellow.

Attached Filter Papers: The results for the attached filter papers are given on Pages A-9 and A-10. The table gives the control number for each filter, the link number of the book to which it was attached, and a description of the location of the filter in the book. The last column in the table is the evaluators subjective estimate of the percent of area of the filter showing bleeding or leaching.

The results show that all of the filter papers for this demonstration set were judged to show some evidence of bleeding or leaching. The percent of area of each filter showing bleeding or leaching ranged from a low of 1 to a high of 20%. The average percent of area for all the filters in this demonstration set was 4.70, compared to 3.22% for the untreated demonstration set. This comparison is shown in Fig. 2.

EVALUATION OF ATTACHED FILTER PAPERS

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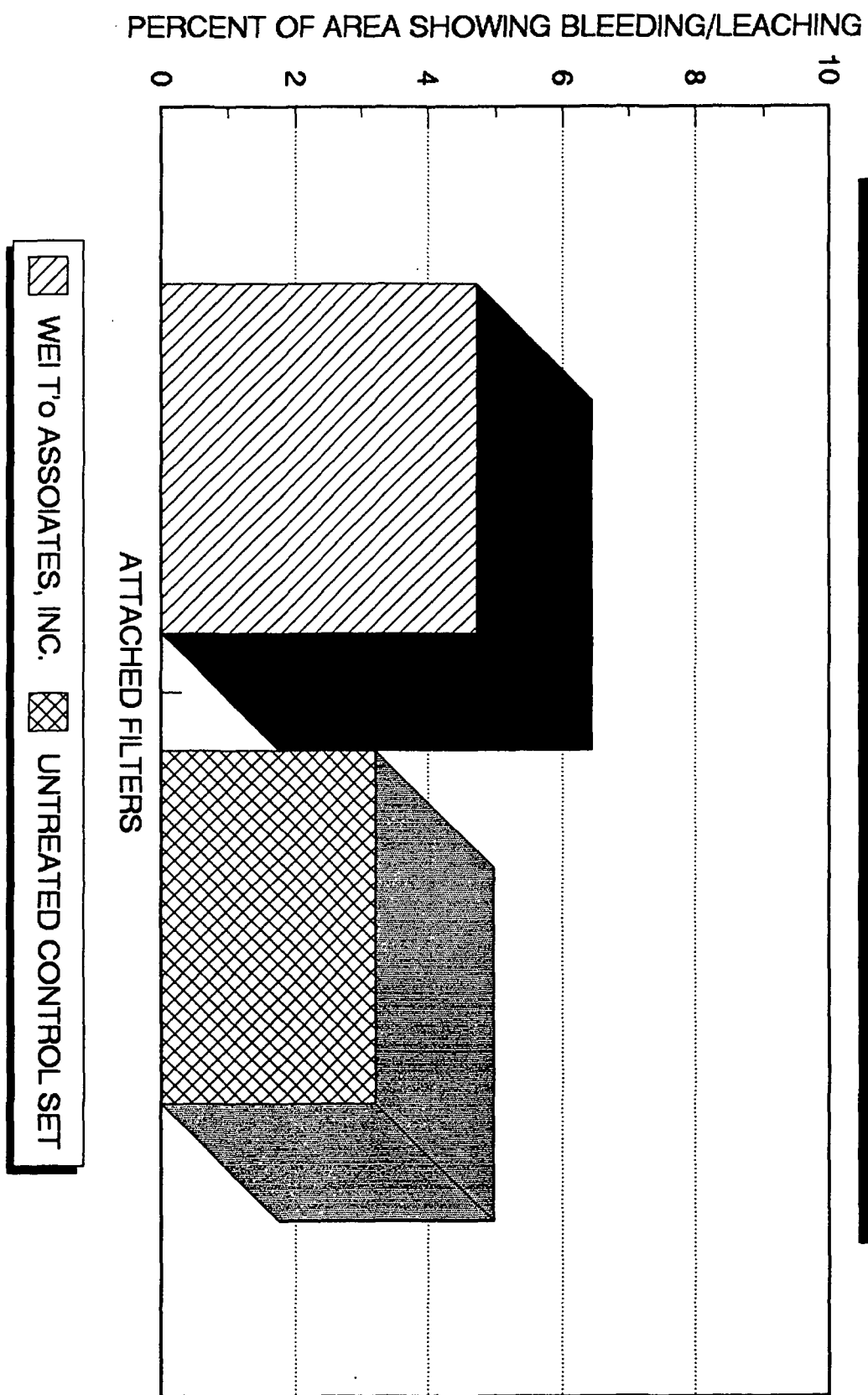


FIGURE-2

Condition Evaluation

WHOLE BOOK

The whole book condition evaluation results are shown in Fig. 3. The plotted results are average rejection scores for the six panelists and for the 422 books evaluated. Results for the untreated control are also shown.

As discussed in the procedure section of this report, the panelists were asked to evaluate each book for abnormalities of the cover, label, text block, ink, paper and binding, and for any evidence of cockling or abnormal shape or condition. For the scoring system used, a rejection score of 100 in any category would indicate that all six panelists noted abnormalities for all 422 books.

The results show a significantly higher rejection score for this demonstration set than for the untreated set received from the Library.

The panelists were also asked to make any comments they felt were appropriate to describe the condition of the books. The most frequent comments for this demonstration set were:

Shape:	No significant comments
Covers and Spine:	White residue, blistering, rings, some sticky
End plates:	Rings, adhesive bleeding, discoloration
Text Block:	Cockling, rings, halos

CONDITION EVALUATION WHOLE BOOK

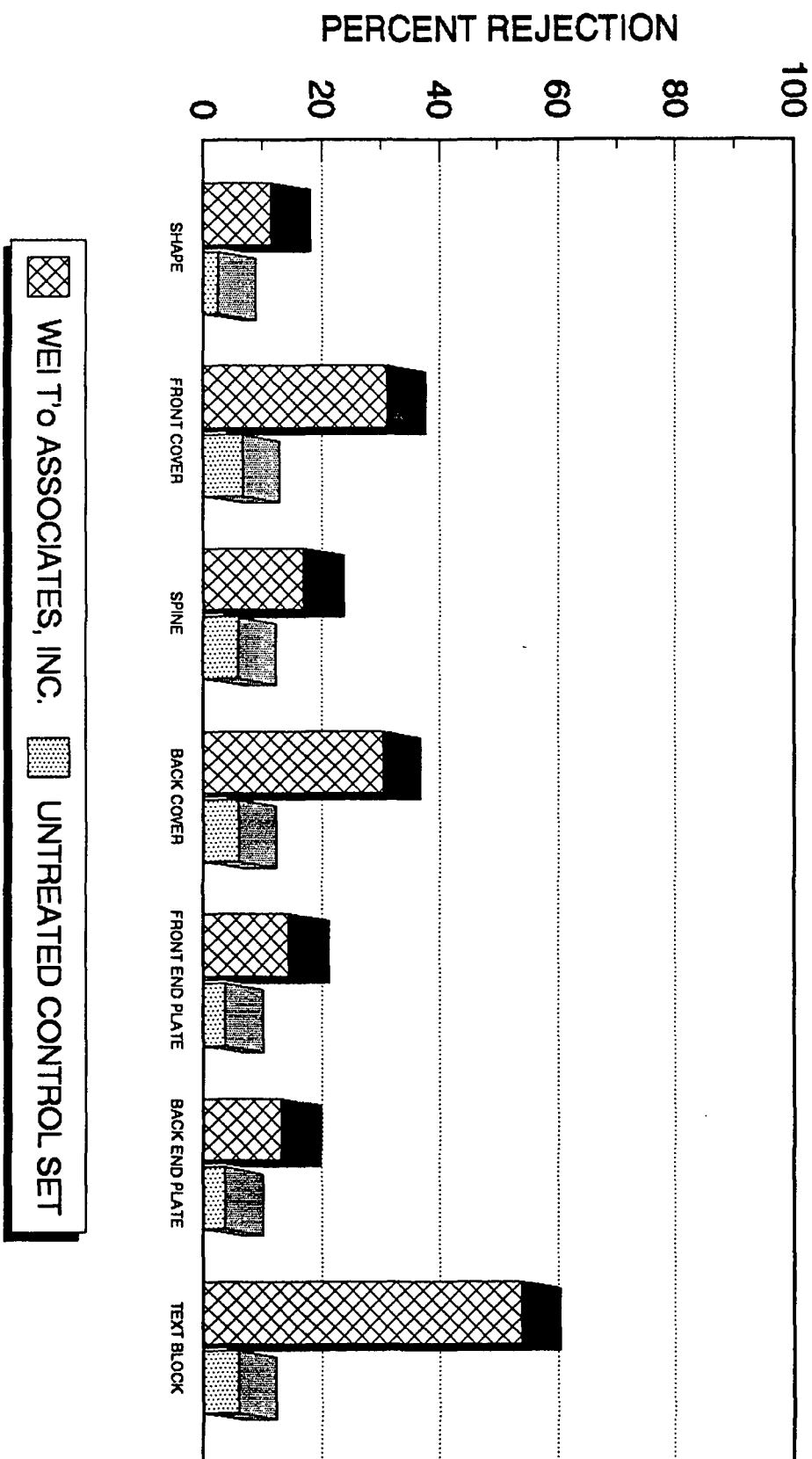


FIGURE-3

HALF BOOKS

The half book condition evaluation results are shown in Fig. 4. The plotted results are average rejection scores for the six panelists and for the thirteen books.

As discussed in the procedure section of this report, the panelists were asked to determine whether the treated half books were changed or damaged relative to the corresponding untreated half books. For the scoring system used, a rejection score of 100 indicates that all six panelists noted change or damage for all of the treated half books in the demonstration set.

The results show a significantly higher rejection score for this demonstration set than for the untreated demonstration set received from the Library. It should be noted that all of the panelists indicated that changes, where noted, were slight.

The panelists were also asked to comment on changes as appropriate.

The most frequent comments were:

Shape:	Slightly thicker, warped
Covers and Spine:	White residue, stained, color change
End plates:	Yellowing
Text block:	Slight cockle, yellowing, rings

CONDITION EVALUATION HALF BOOK

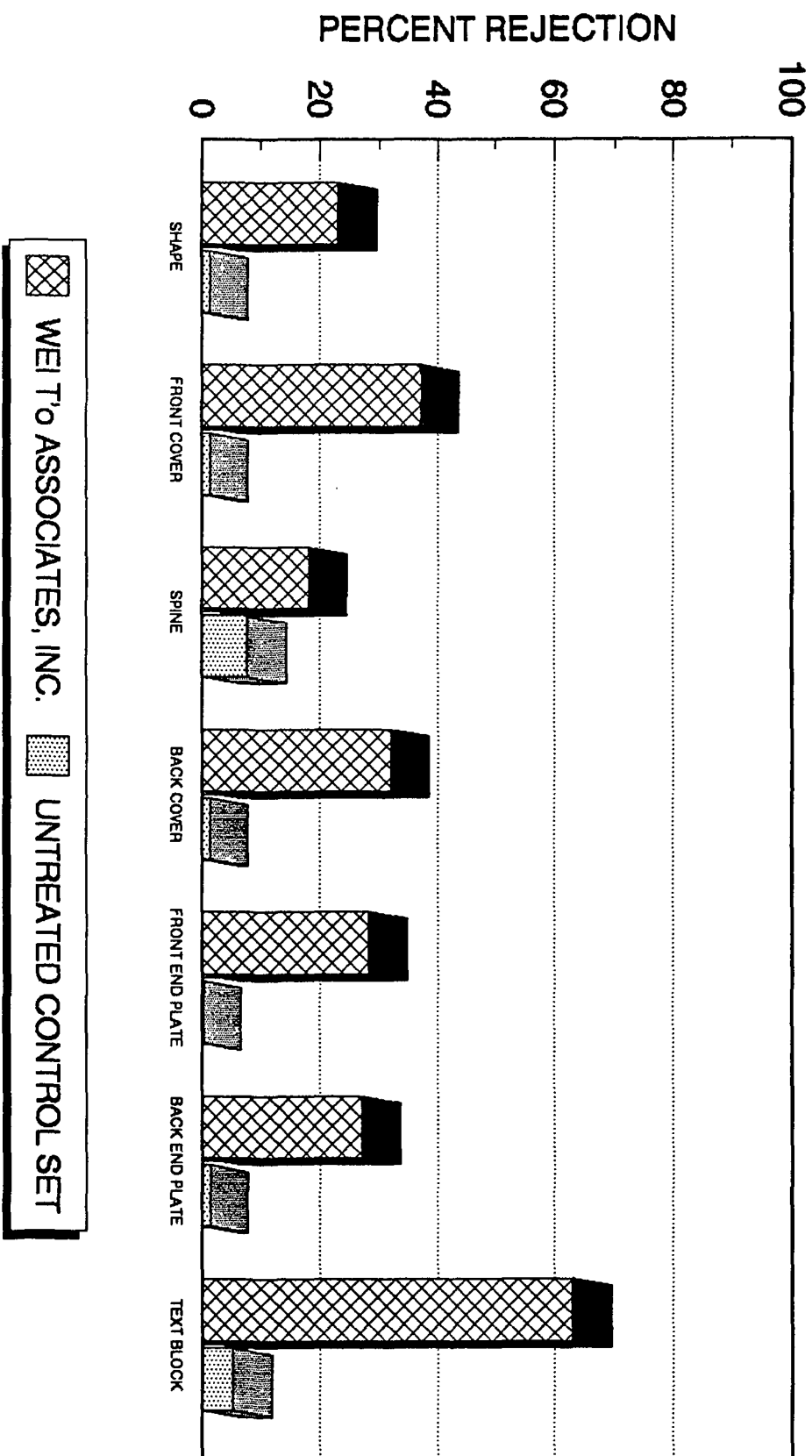


FIGURE-4

Hydrogen ion Concentration (pH) Data

The cold extraction pH data are reported on Pages A-11 to A-13. The ten individual results are given for each of the ten books. Book averages range from a low of 7.87 to a high of 10.43. For comparison purposes, book averages for the untreated demo set ranged from a low of 4.70 to a high of 9.55. The treated Test Book (part G) had an average pH of 8.93, while the Test Book for the untreated demo set had an average of 5.60.

The hot extraction pH data are reported in Pages A-14 to A-16. The ten individual results are given for each of the ten books. Book averages range from a low of 7.49 to a high of 10.02. For comparison purposes, book averages for the untreated demo set ranged from a low of 4.18 to a high of 9.70. The treated Test Book (part G) had an average pH of 9.28, while the Test Book for the untreated demo set had an average of 4.82.

Alkaline Reserve Data

The alkaline reserve data are given on Pages A17 to A-26. Each table gives the 32 individual results for a single book. The page numbers used for each group of four tests are also given.

The data show that the alkaline reserve for books in this demonstration set range from about 0.3 to about 4%, for different books. One of the books, control number 101664, had an alkaline reserve less than 1% for half of the book, and more than 19% for the other half. It was obvious that two different grades of paper were used in this book.

By way of comparison, 6 of the 10 books for the untreated demonstration set had an alkaline reserve less than 0.1%. The other 4 had alkaline reserve results ranging up to about 8%.

Completeness of Deacidification Data

The results of the completeness of deacidification tests are shown in Fig. 5. The results for the untreated set are also shown.

The figure shows that 34.9 percent of the books of this demonstration set were classified as incompletely treated, compared to 99.8 percent for the untreated demonstration set. As described in the Procedure section of this report, a book is classified as incompletely treated if the test indicates that any part of the test area is acidic.

None of the books were incompletely treated over 100 percent of the test area. The figure shows that 1.6 percent of the tested area of the incompletely treated books was incompletely treated, compared to 99.8 percent for the untreated demonstration set.

COMPLETENESS OF DEACIDIFICATION

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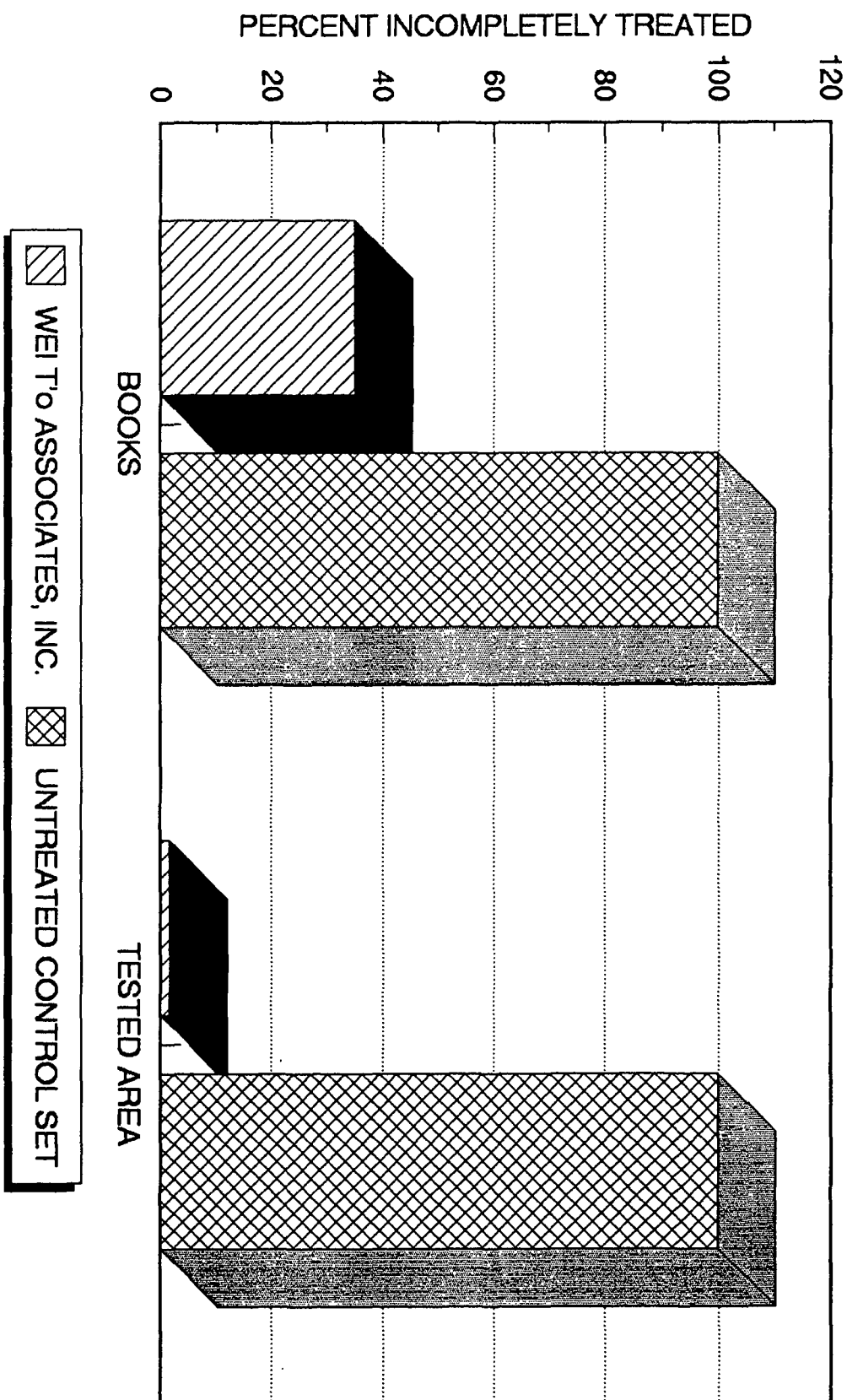


FIGURE-5

Data for Samples Exposed to Accelerated Aging

The following sections of the report give the test results for samples which had been exposed to accelerated aging as described earlier under Procedure.

Folding Endurance (MIT) - The results of MIT fold tests for unaged samples, and for samples aged 3, 6, 9, 12, 18, 24, and 30 days are given starting on page A27 of the appendix. Following the tabulation of data are 12 plots of log fold against time of aging. Each plot represents data for 1 of 4 book parts (G, H, K, or M) of the 3 books used for this testing. Two sheets were tested for each aging interval, and the results for each sheet are shown separately in the plots. Error limits (± 1 standard deviation) are shown for each data point.

All of the data for each book part, and for each aging period, were averaged together. The regression lines for the grouped data are shown in Figs. 6-9 for the 4 book parts, respectively. Similar regression lines are also shown for the untreated demonstration set.

The decay rate per day in log fold for the treated samples, and for the untreated control is given below.

Book Part	Log Fold Degradation Rate	
	Treated Samples	Untreated Control
Clear Spring Offset (G)	0.0062	0.0334
Alum-rosin sized paper (H)	0.0128	0.0415
Alkaline sized paper (K)	0.0061	0.0044
Newsprint (M)	0.0044	0.0349

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AVERAGE MIT FOLD COMPARISON

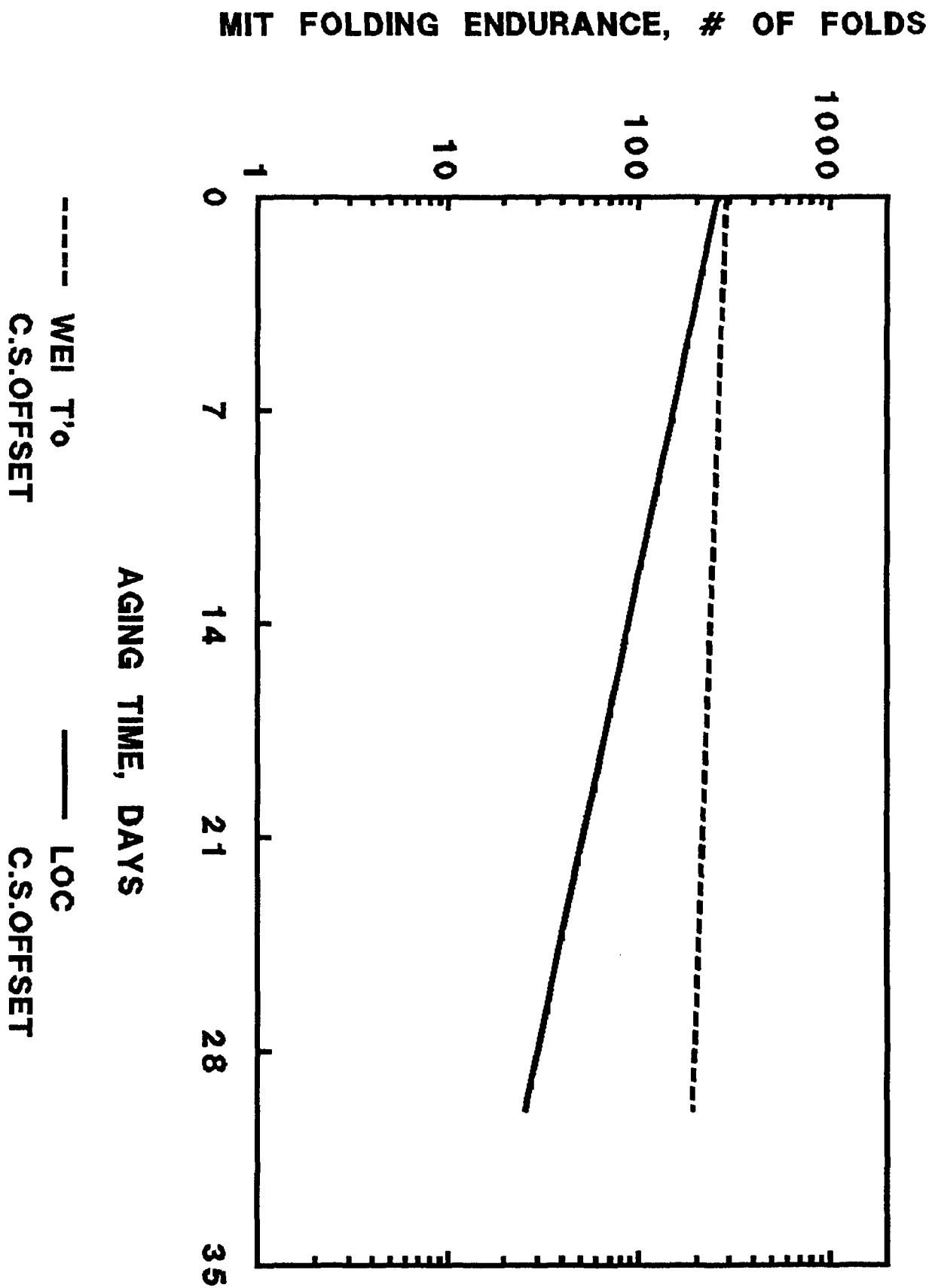


FIGURE-6

WEI T'O ASSOCIATES, INC.
AVERAGE MIT FOLD COMPARISON

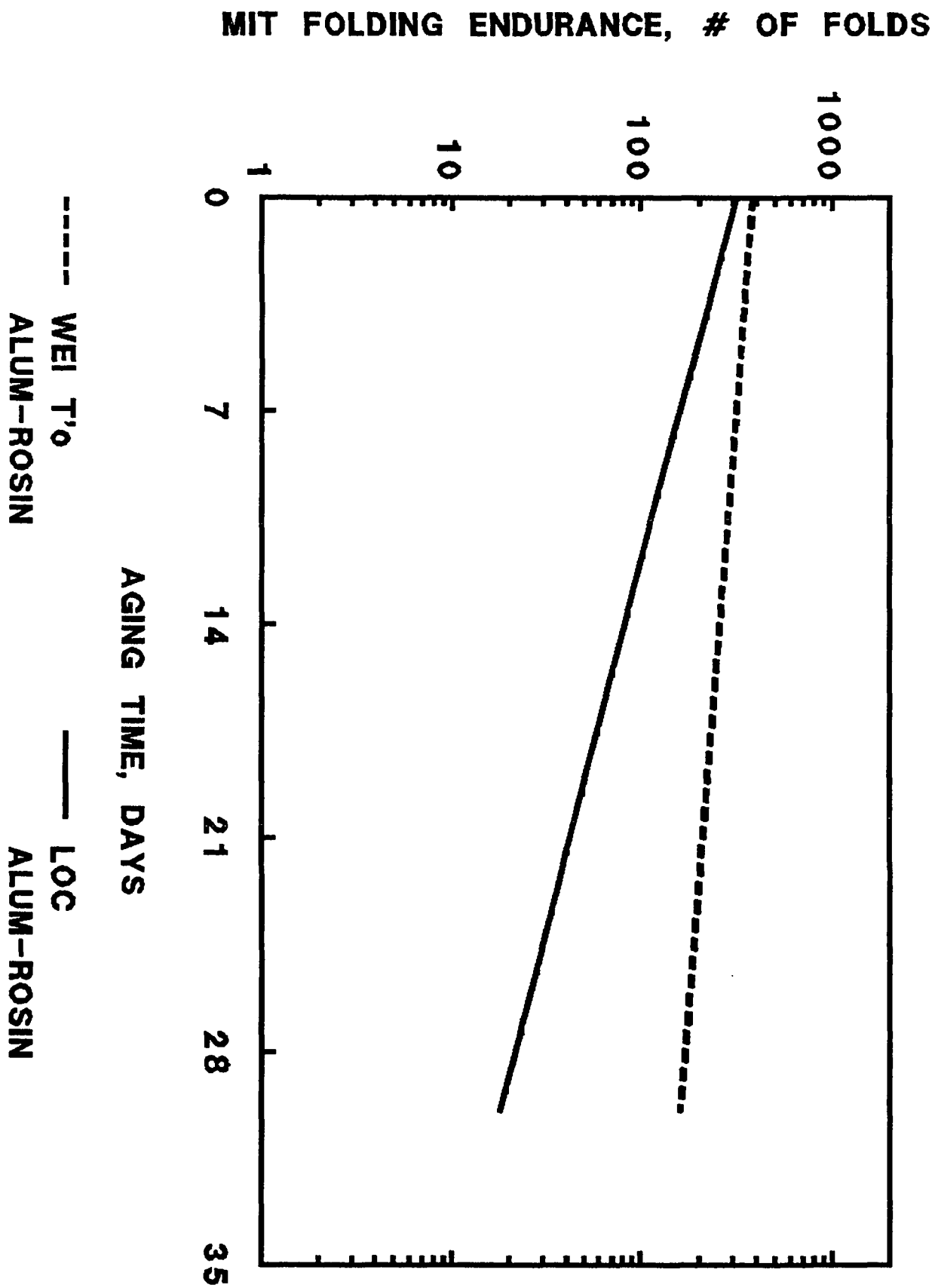


FIGURE-7

WEI T'O ASSOCIATES, INC.

AVERAGE MIT FOLD COMPARISON

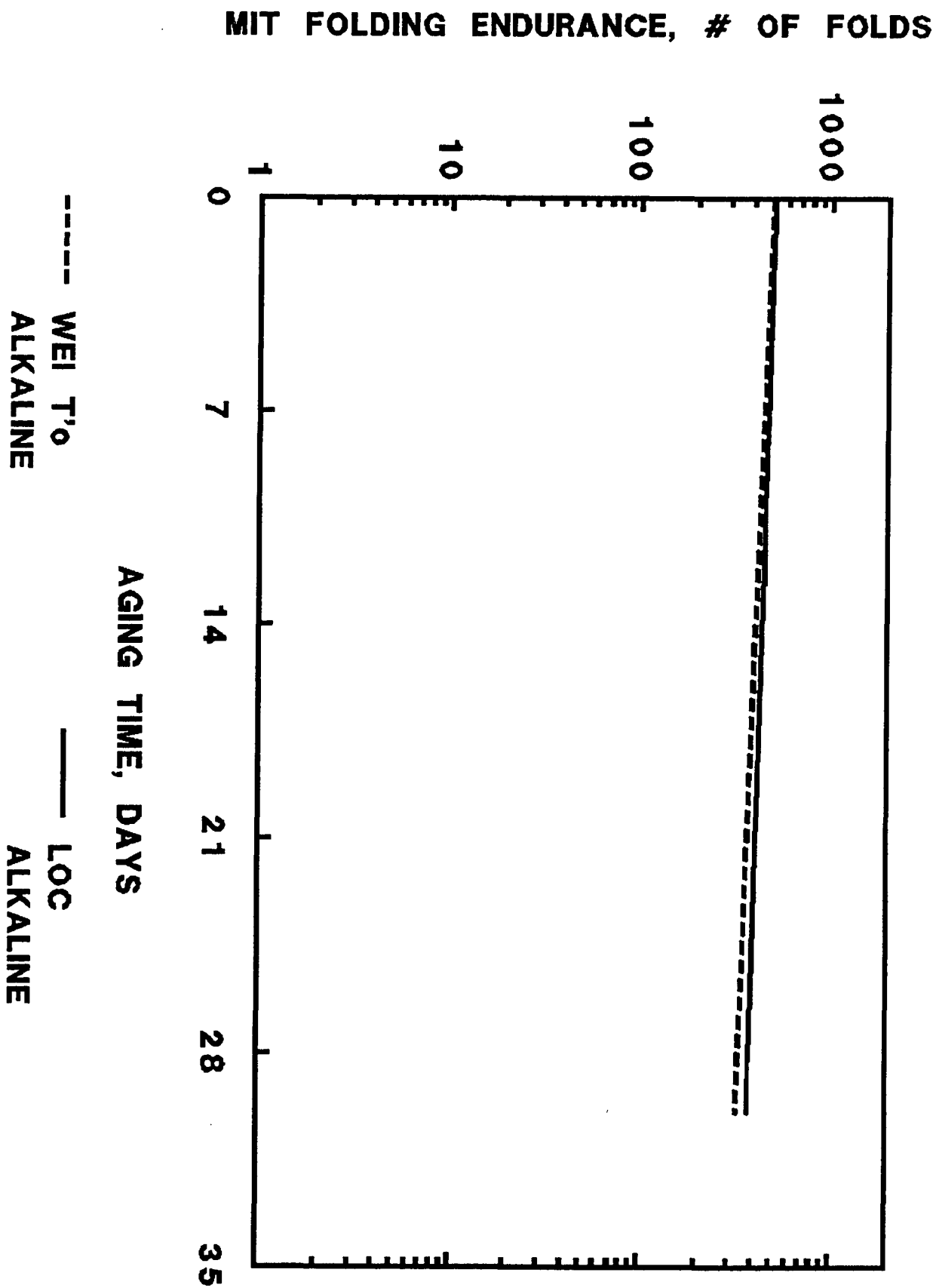


FIGURE-8

WEI T'O ASSOCIATES, INC.
AVERAGE MIT FOLD COMPARISON

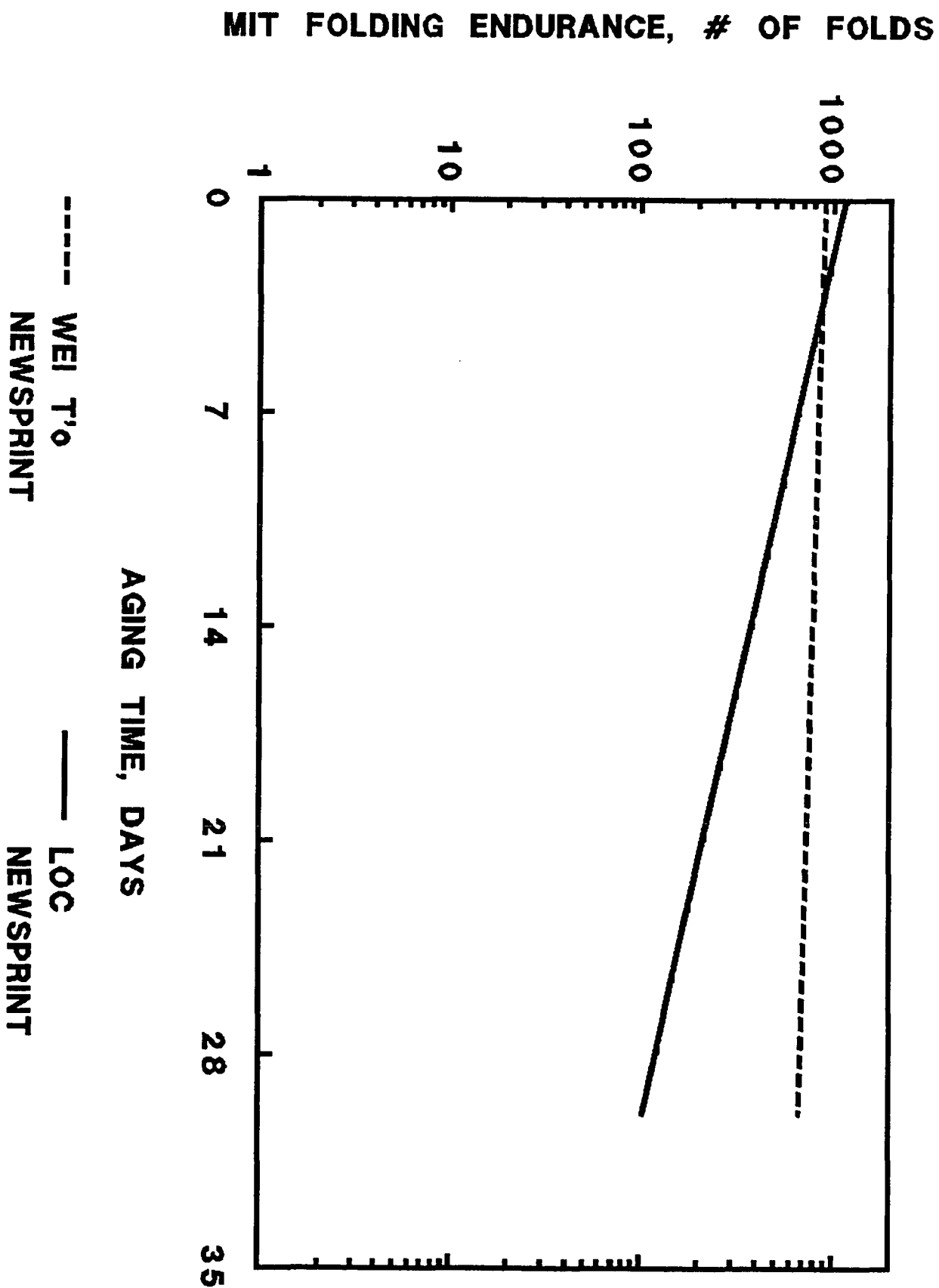


FIGURE-9

Load Elongation - The results of tensile strength tests (tensile, stretch (elongation) and tensile energy absorption) for unaged samples, and for samples aged 3, 6, 9, 12, 18, 24, and 30 days are given starting on page A87 of the appendix. Following the tabulation of data are plots of tensile, stretch, and tensile energy absorption against time of aging. Each plot represents data for 1 of 4 book parts (G, H, K, or M) of the 3 books used for this testing. Two sheets were tested for each aging interval, and the results for each sheet are shown separately in the plots. Error limits (± 1 standard deviation) are shown for each data point.

All of the data for each book part, and for each aging period, were averaged together. The regression lines for the grouped data are shown in Figs 10-21 for the 4 book parts, respectively. Similar regression lines are also shown for the untreated demonstration set.

The decay rates per day for the treated samples, and for the untreated control is given below. These rates are in kN/m for tensile, % for stretch, and J/sq. m. for tensile energy absorption.

Book Part	Tensile Degradation Rate	
	Treated Samples	Untreated Control
Clear Spring Offset (G)	0.005	0.009
Alum-rosin sized paper (H)	0.003	0.008
Alkaline sized paper (K)	0.007	0.003
Newsprint (M)	0.004	0.009

Book Part	Stretch Degradation Rate	
	Treated Samples	Untreated Control
Clear Spring Offset (G)	0.030	0.071
Alum-rosin sized paper (H)	0.028	0.047
Alkaline sized paper (K)	0.017	0.018
Newsprint (M)	0.006	0.008

Book Part	Tensile Energy Absorption Degradation Rate	
	Treated Samples	Untreated Control
Clear Spring Offset (G)	0.86	1.81
Alum-rosin sized paper (M)	0.54	0.90
Alkaline sized paper (K)	0.64	0.54
Newsprint (M)	0.14	0.37

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AVERAGE TENSILE COMPARISON

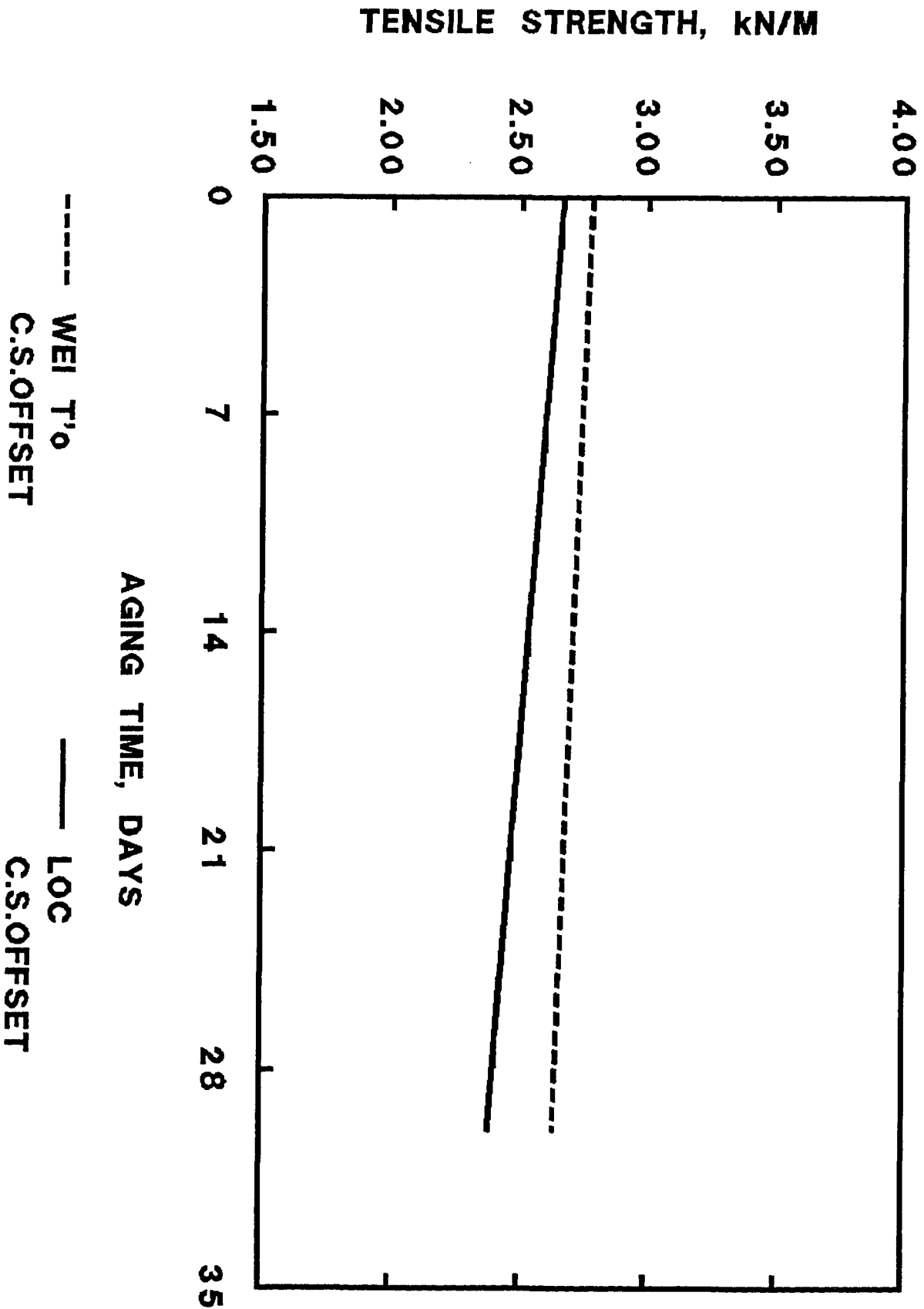


FIGURE-10

WEI T'O ASSOCIATES, INC.
AVERAGE TENSILE COMPARISON

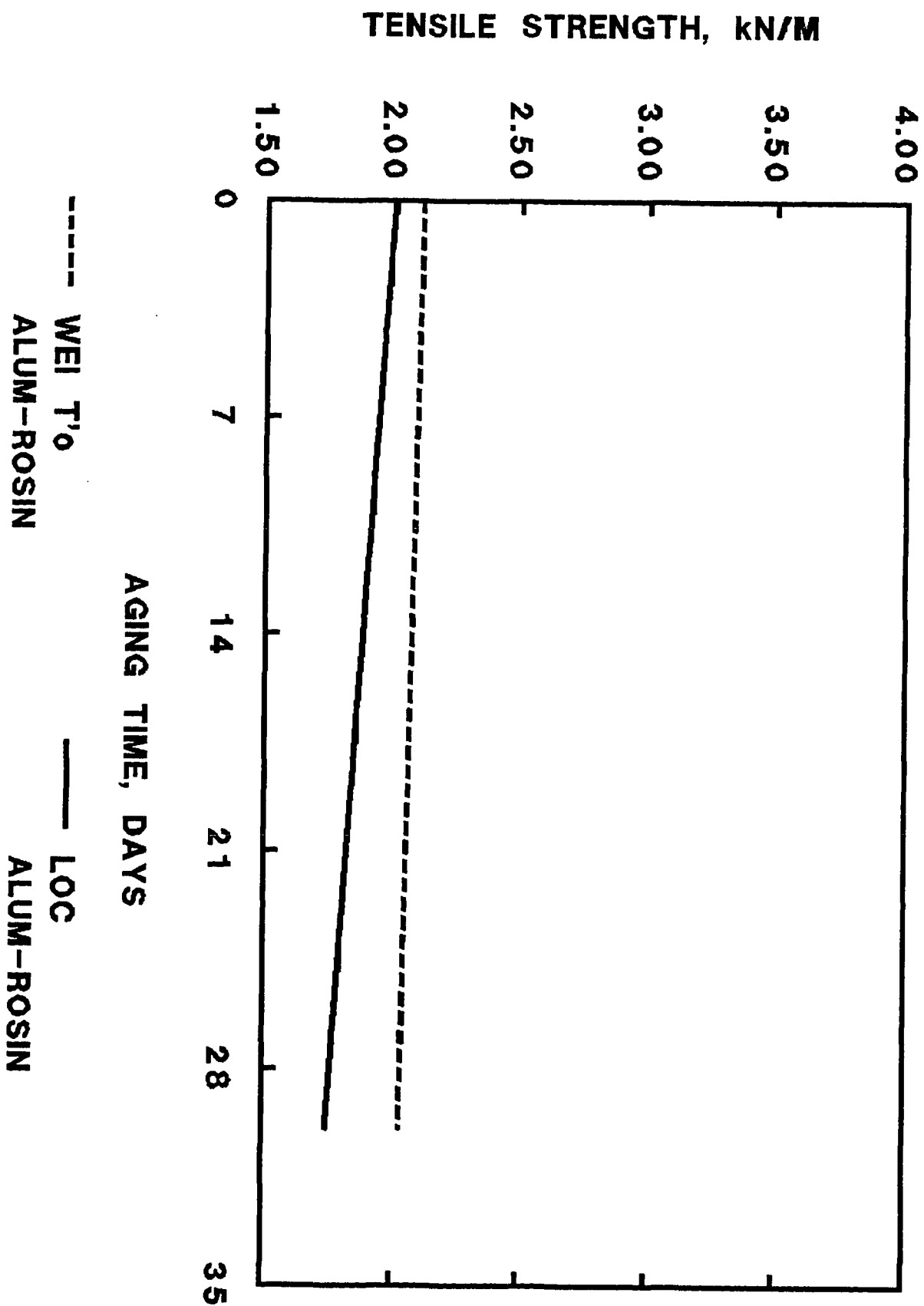


FIGURE-11

WEI T'O ASSOCIATES, INC.

AVERAGE TENSILE COMPARISON

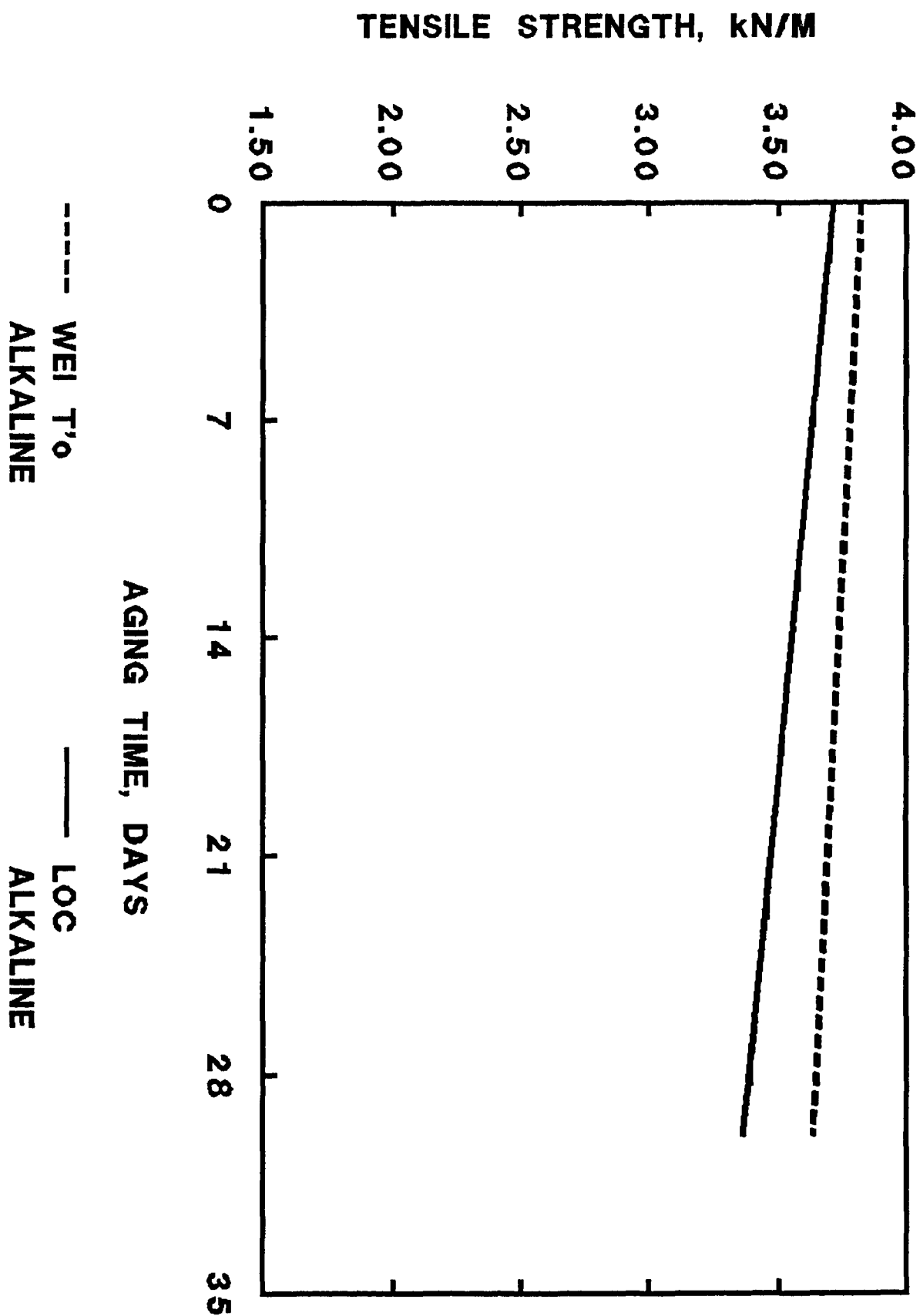


FIGURE-12

WEI T'O ASSOCIATES, INC.
AVERAGE TENSILE COMPARISON

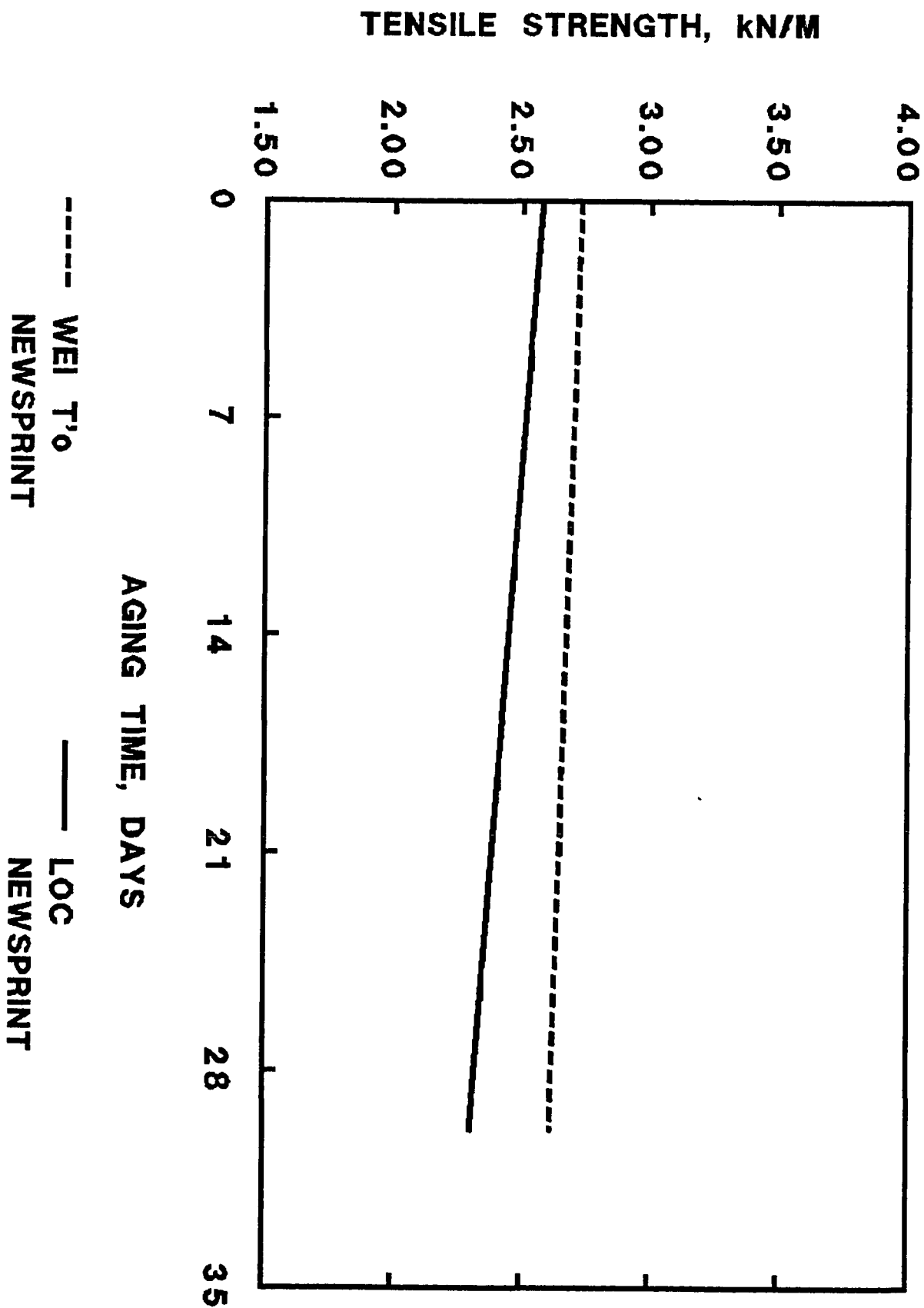


FIGURE-13

WEI T'O ASSOCIATES, INC.

AVERAGE TENSILE COMPARISON

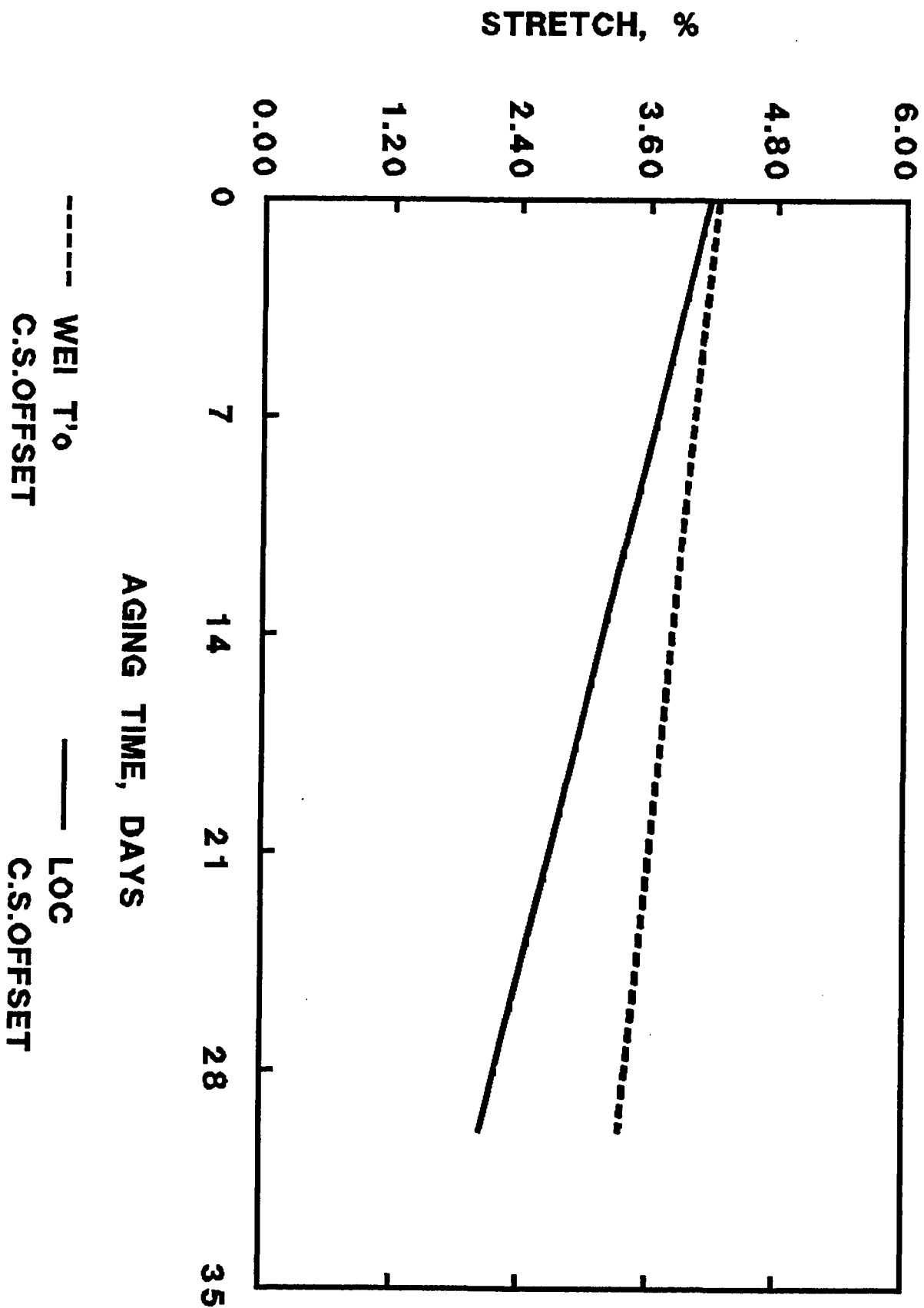


FIGURE-14

WEI T'O ASSOCIATES, INC.
AVERAGE TENSILE COMPARISON

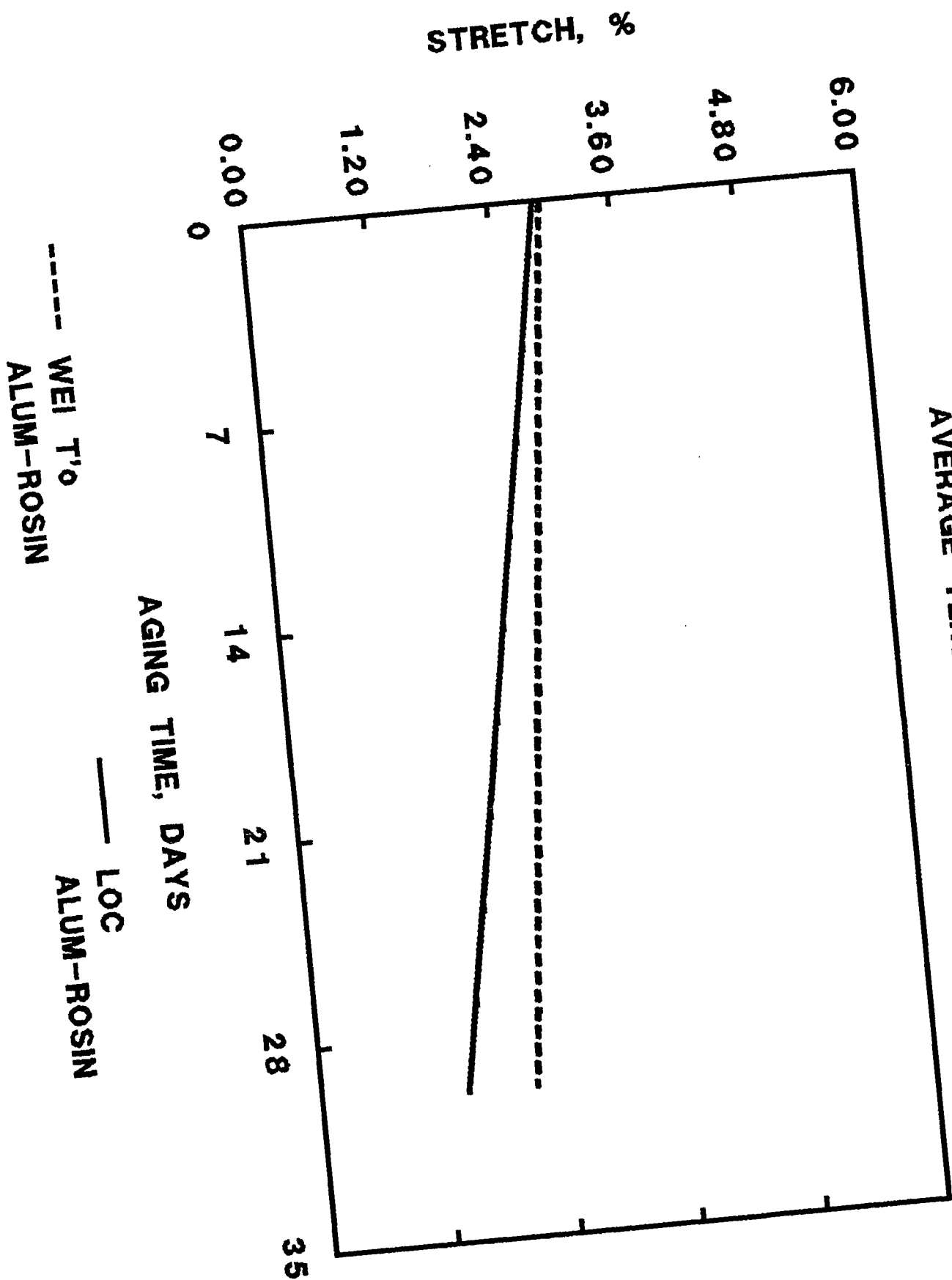


FIGURE-15

WEI T'O ASSOCIATES, INC.

AVERAGE TENSILE COMPARISON

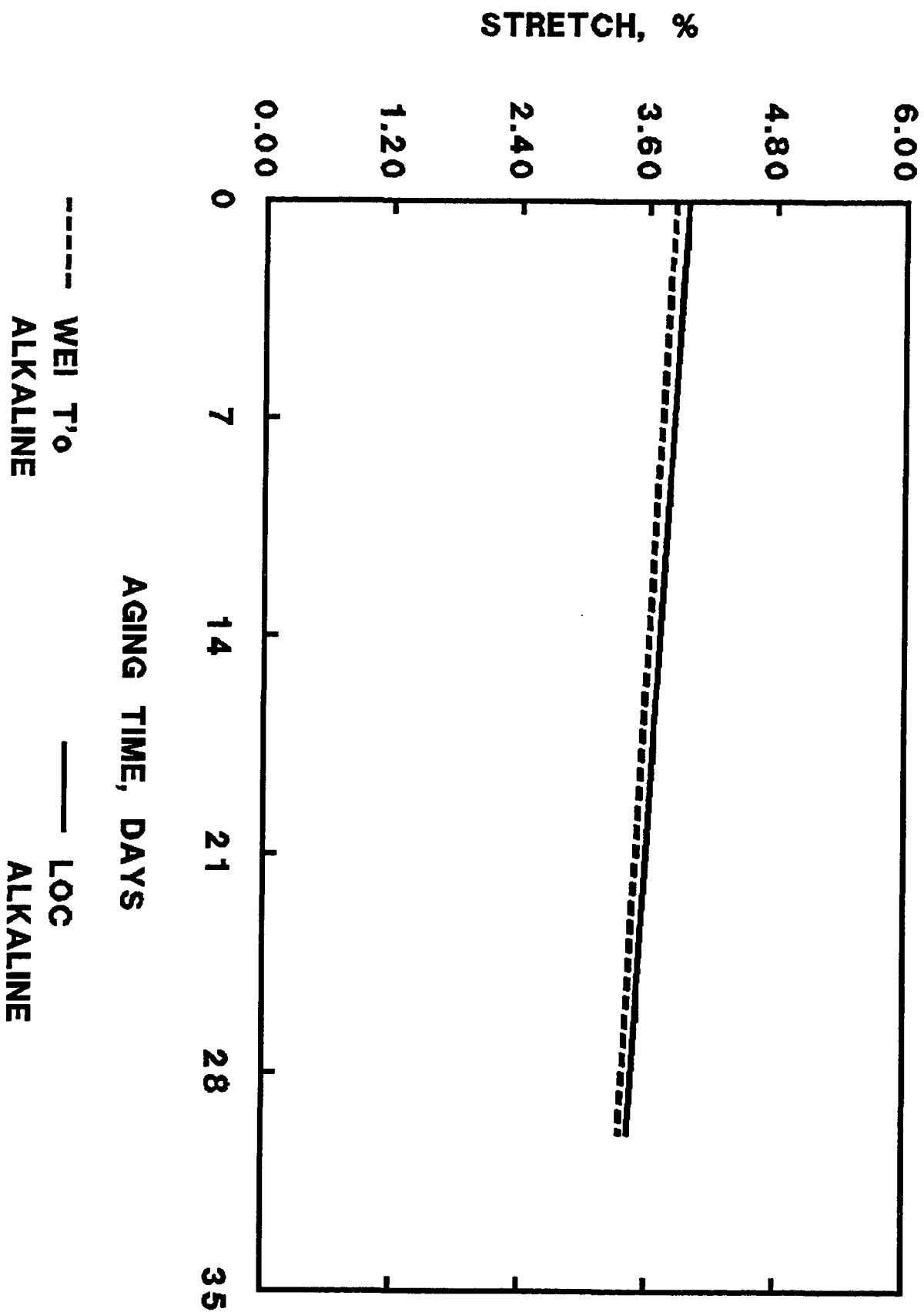


FIGURE-16

WEI T'O ASSOCIATES, INC.
AVERAGE TENSILE COMPARISON

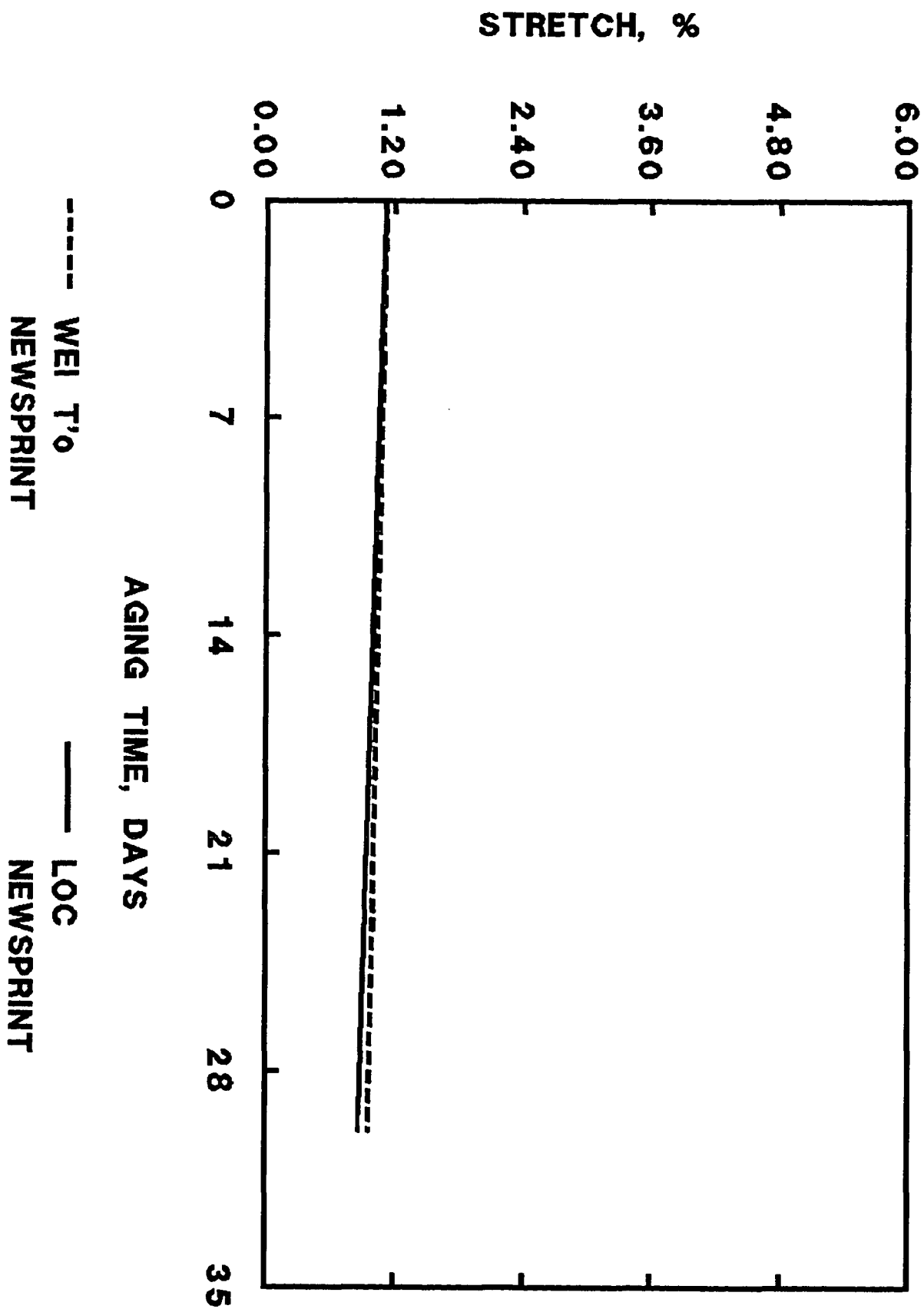


FIGURE-17

WEI T'O ASSOCIATES, INC.

AVERAGE TENSILE COMPARISON

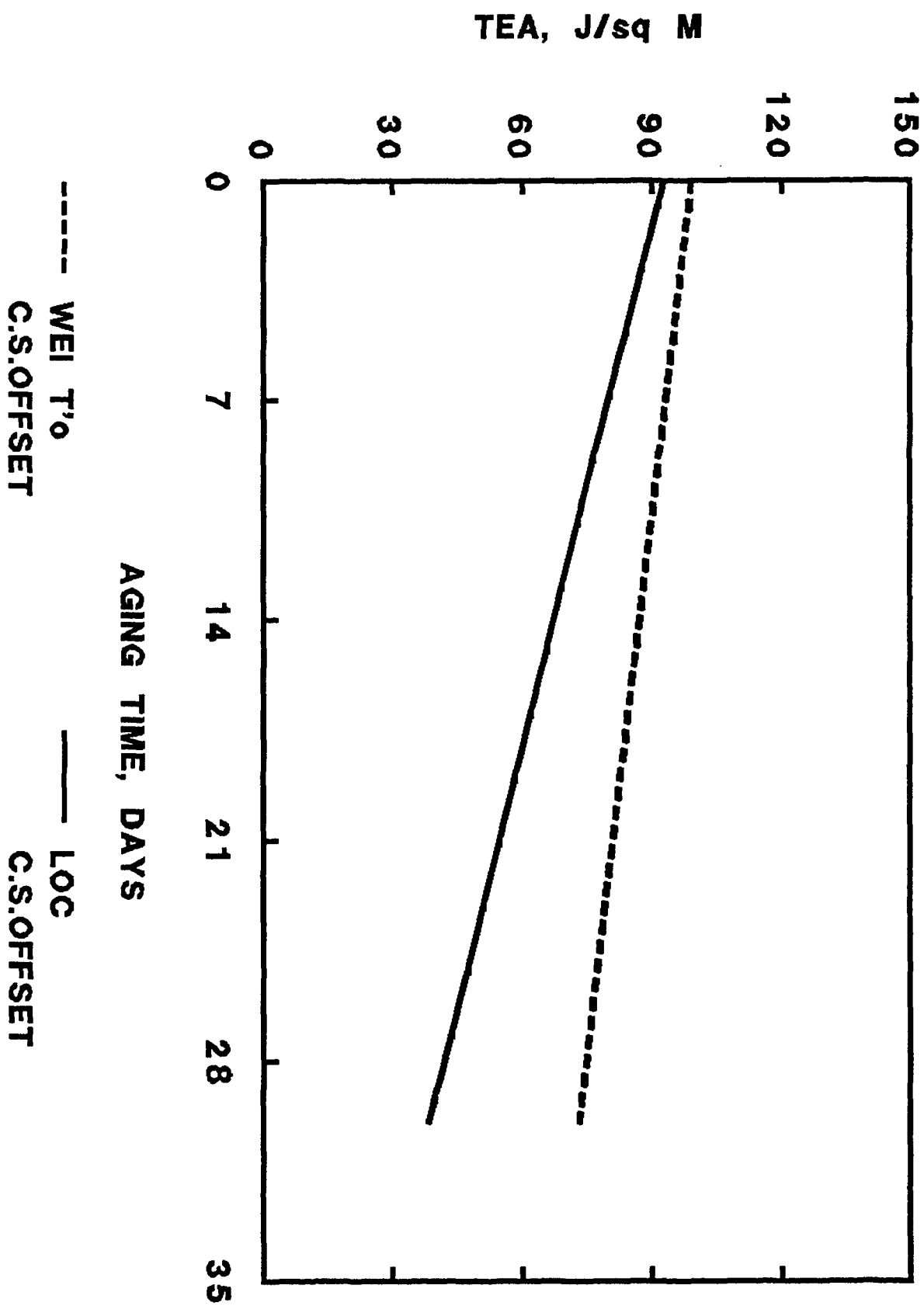


FIGURE-18

WEI T'O ASSOCIATES, INC.
AVERAGE TENSILE COMPARISON

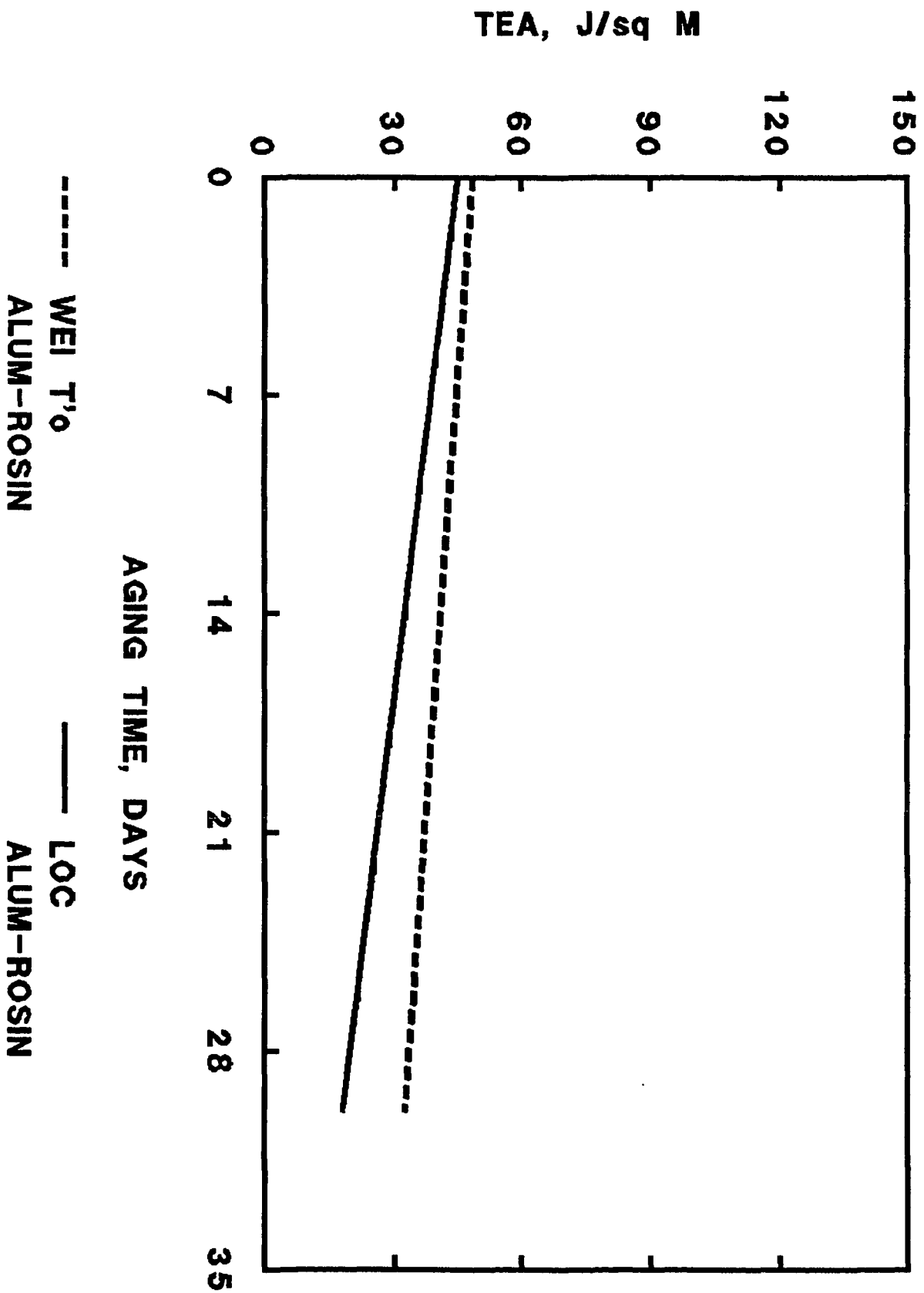


FIGURE-19

WEI T'O ASSOCIATES, INC.

AVERAGE TENSILE COMPARISON

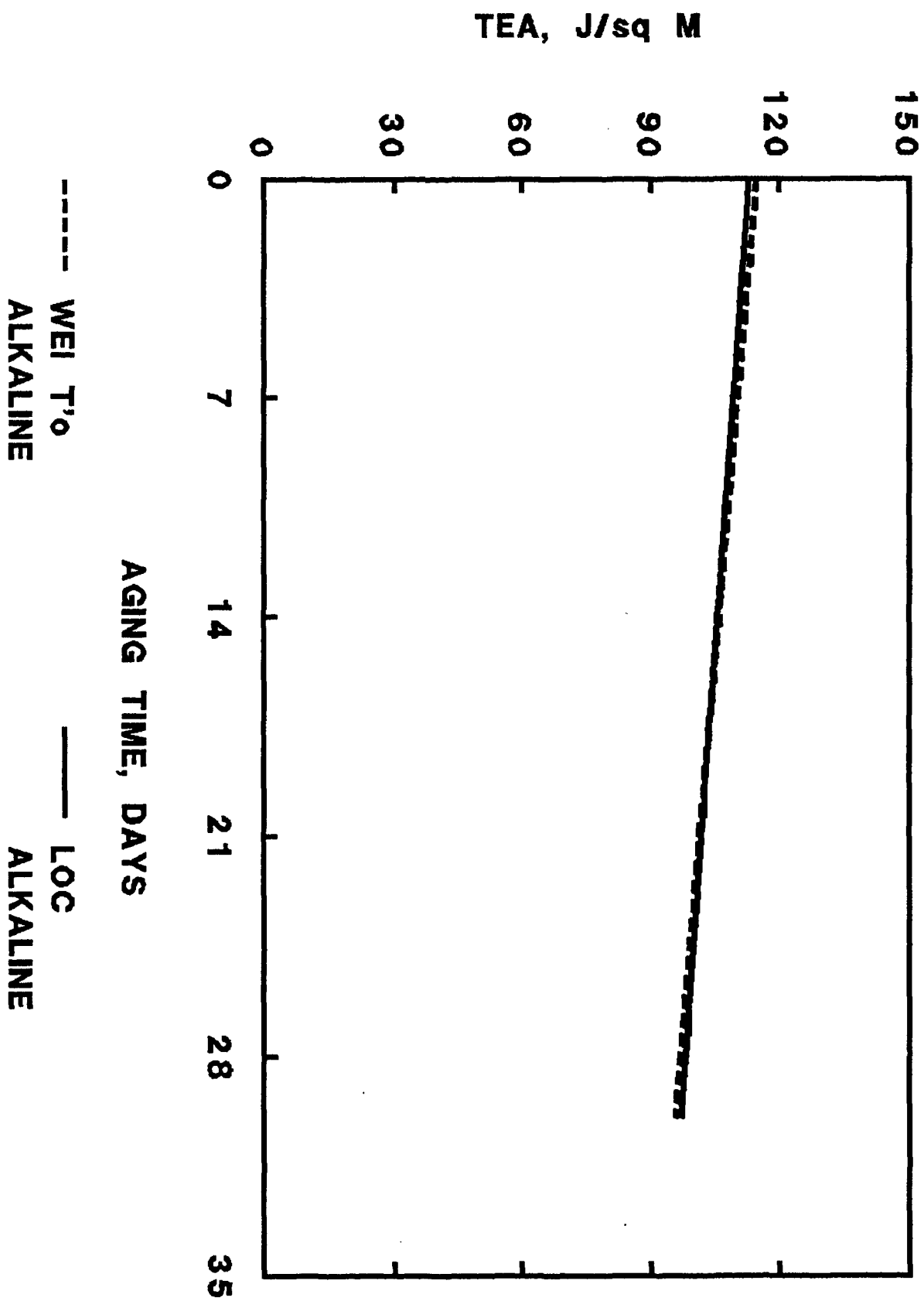


FIGURE-20

WEI T'O ASSOCIATES, INC.
AVERAGE TENSILE COMPARISON

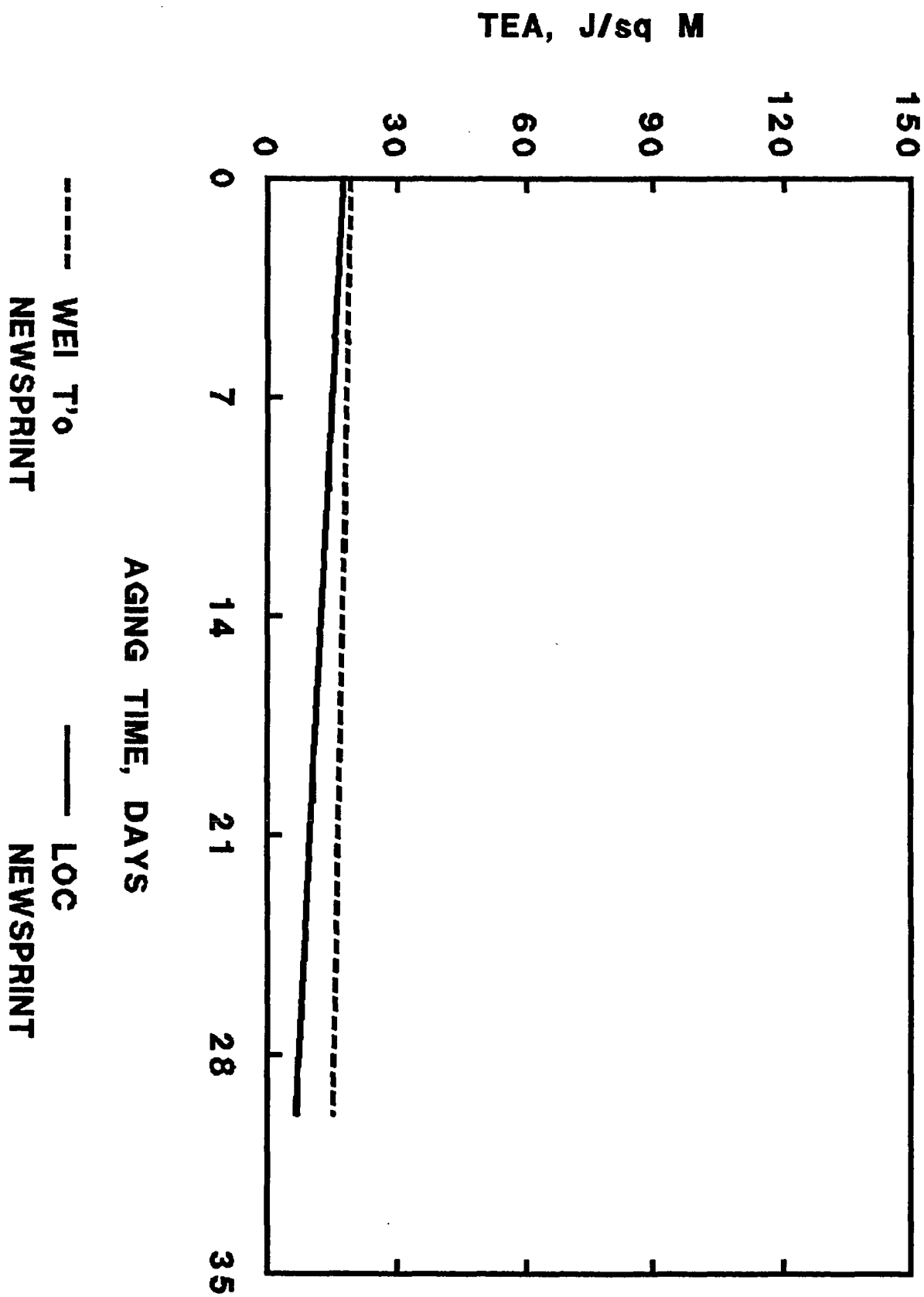


FIGURE-21

Brightness - The results of brightness tests for unaged samples, and for samples aged 3, 6, 9, 12, 18, 24, and 30 days are given starting on page A-219 of the appendix. Following the tabulation of data are 12 plots of brightness against time of aging. Each plot represents data for 1 of 4 book parts (G, H, K, or M) of the 3 books used for this testing. Two sheets were tested for each aging interval, and the results for each sheet are shown separately in the plots. Error limits (± 1 standard deviation) are shown for each data point. In some cases, the error limits were smaller than the symbols used for plotting and, hence, are not shown.

All of the data for each book part, and for each aging period, were averaged together. The regression lines for the grouped data are shown in Figs. 22-25 for the 4 book parts, respectively. Similar regression lines are also shown for the untreated demonstration set.

The decay rate per day in % brightness for the treated samples, and for the untreated control is given below.

Book Part	Brightness Degradation Rate	
	Treated Samples	Untreated Control
Clear Spring Offset (G)	0.38	0.51
Alum-rosin sized paper (H)	0.50	0.60
Alkaline sized paper (K)	0.27	0.45
Newsprint (M)	0.43	0.46

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AVERAGE BRIGHTNESS COMPARISON

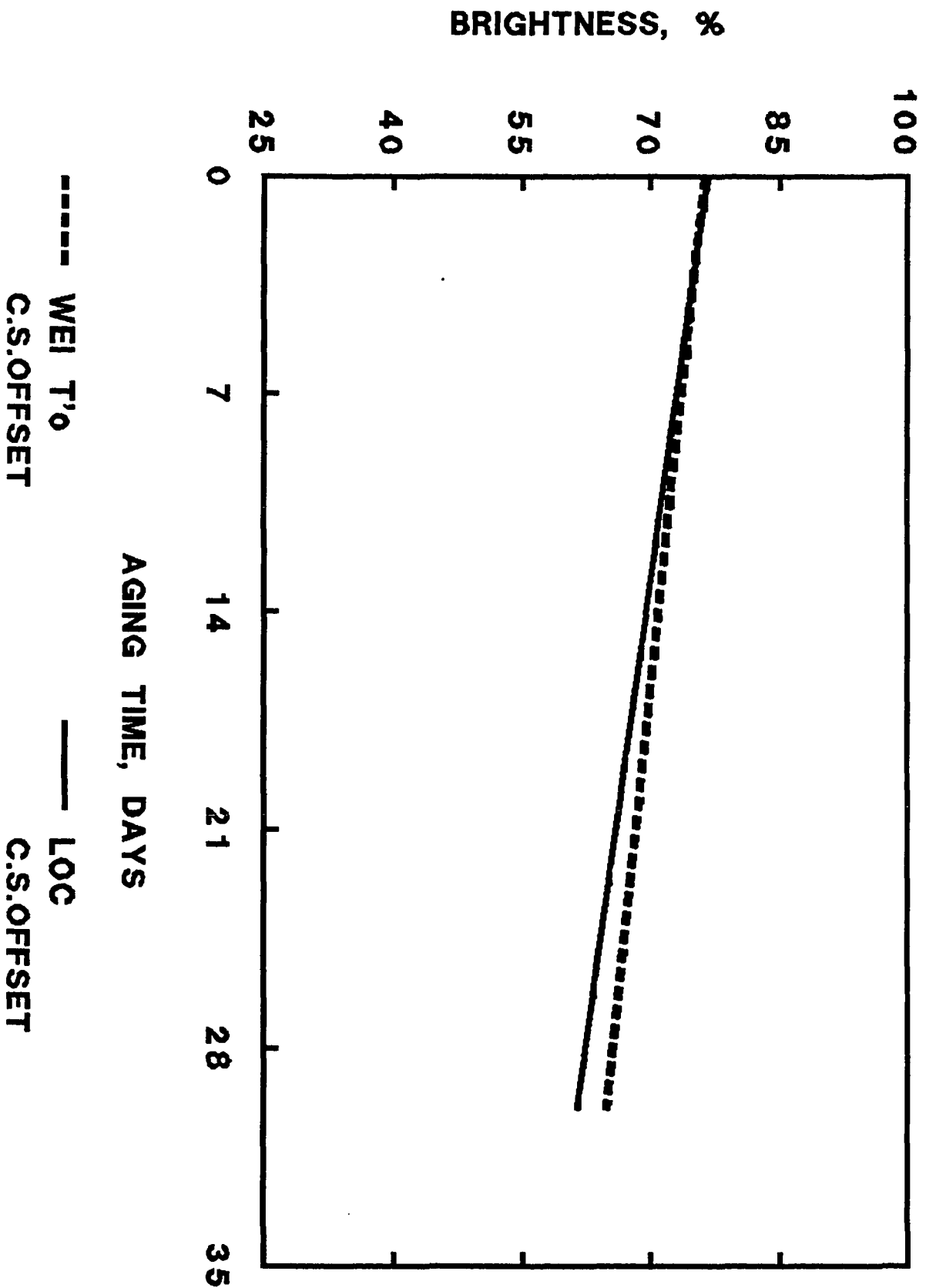


FIGURE-22

WEI T'O ASSOCIATES, INC.

AVERAGE BRIGHTNESS COMPARISON

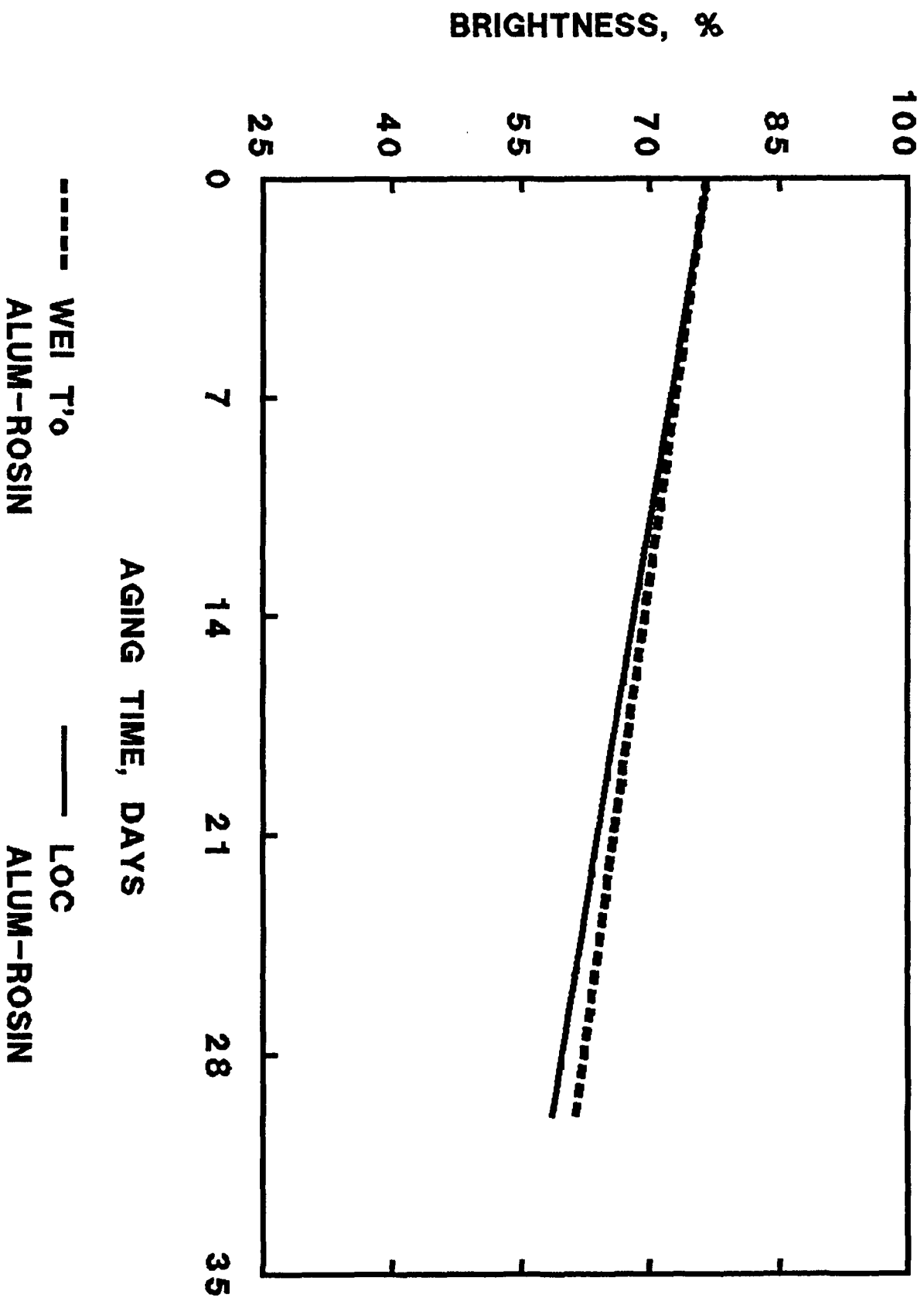


FIGURE-23

WEI T'O ASSOCIATES, INC.
AVERAGE BRIGHTNESS COMPARISON

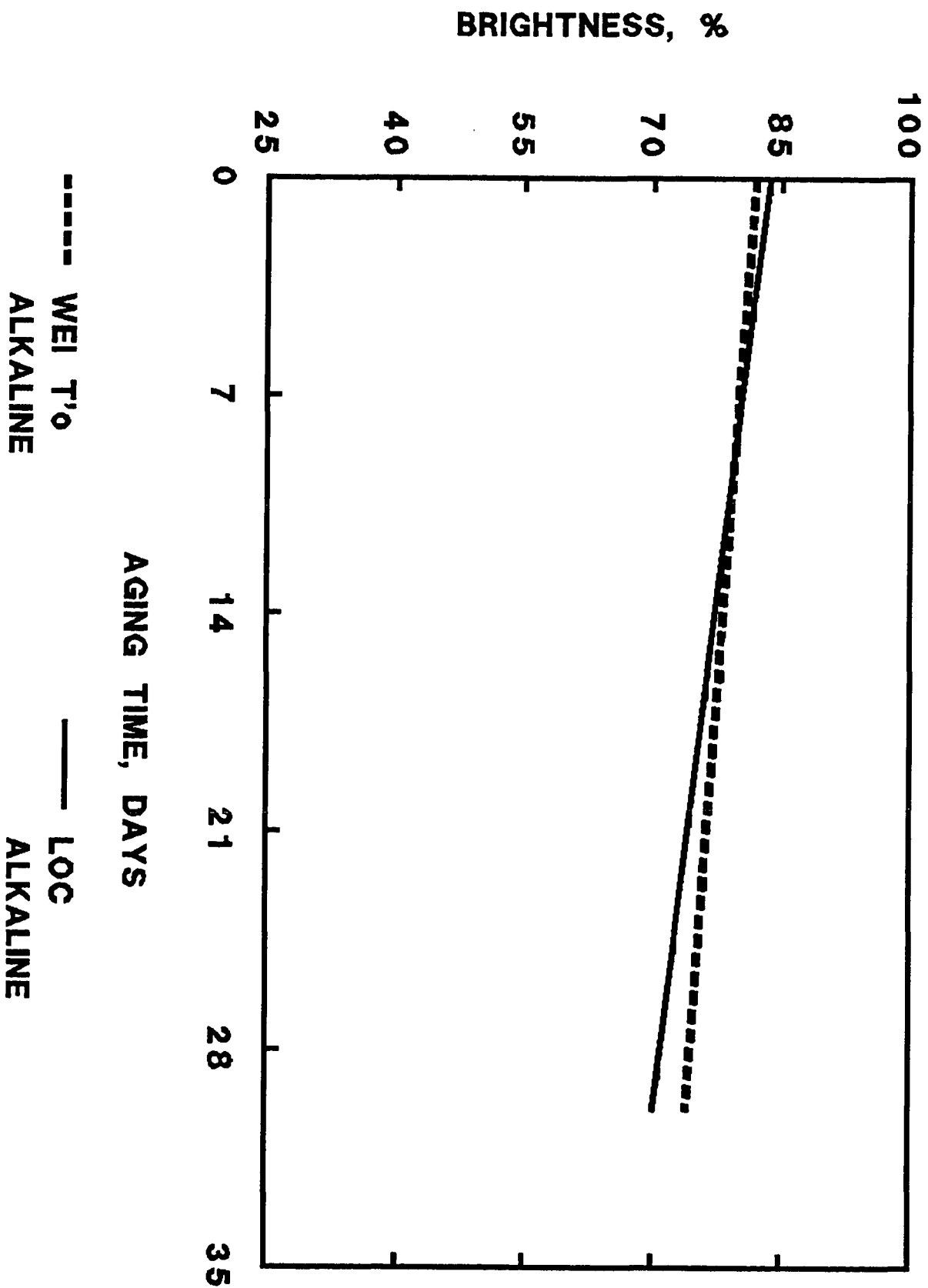


FIGURE-24

WEI T'O ASSOCIATES, INC. AVERAGE BRIGHTNESS COMPARISON

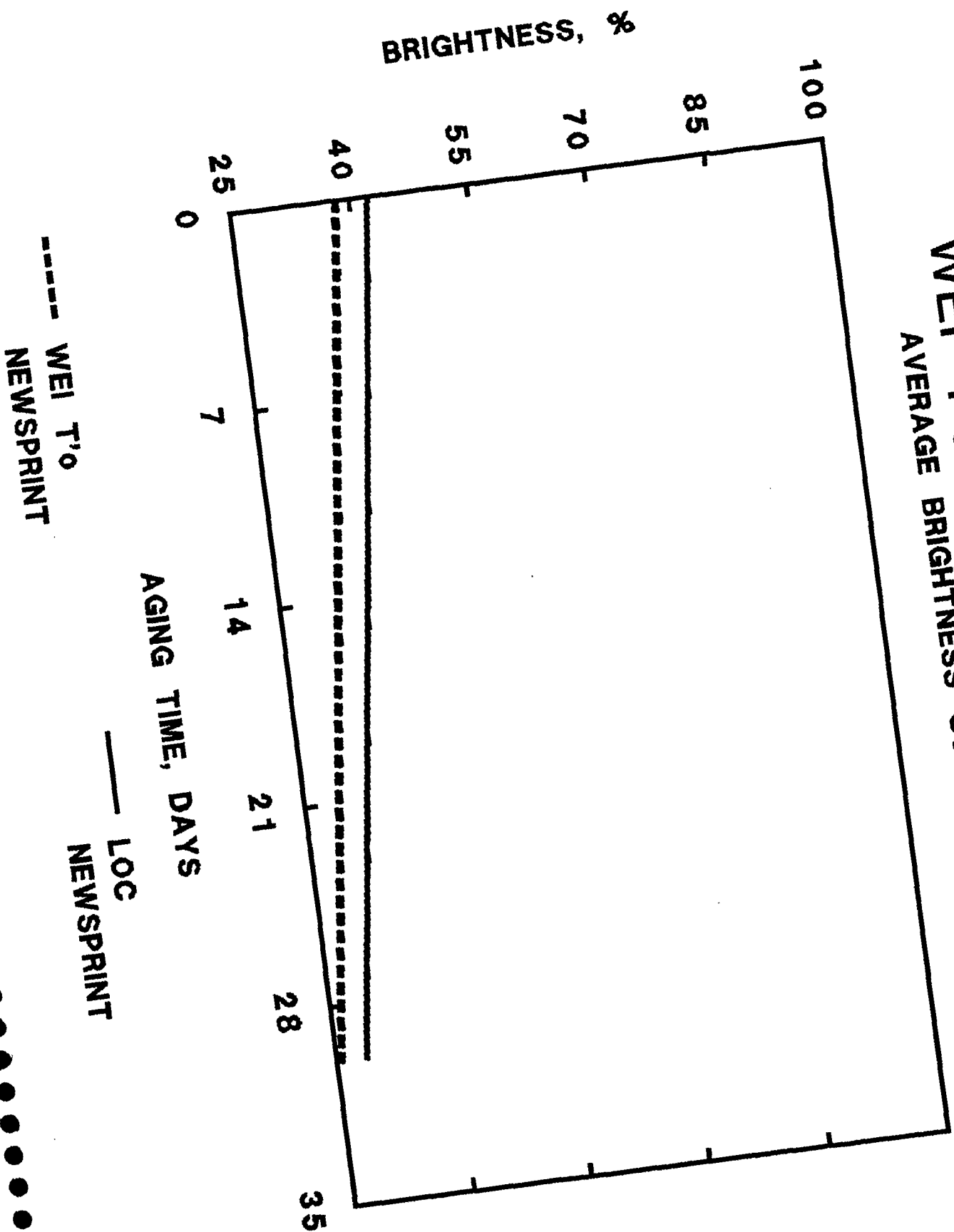


FIGURE-25

Opacity - The results of opacity tests for unaged samples, and for samples aged 30 days, are given starting on page A-279 of the appendix. Following the tabulation of data are 12 plots of opacity against time of aging. Each plot represents data for 1 of 4 book parts (G, H, K, or M) of the 3 books used for this testing. Two sheets were tested for each aging interval, and the results for each sheet are shown separately in the plots. Error limits (± 1 standard deviation) are shown for each data point.

All of the data for each book part, and for each aging period, were averaged together. The regression lines for the grouped data are shown in Figs. 26-29 for the 4 book parts, respectively. Similar regression lines are also shown for the untreated demonstration set.

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AVERAGE OPACITY COMPARISON

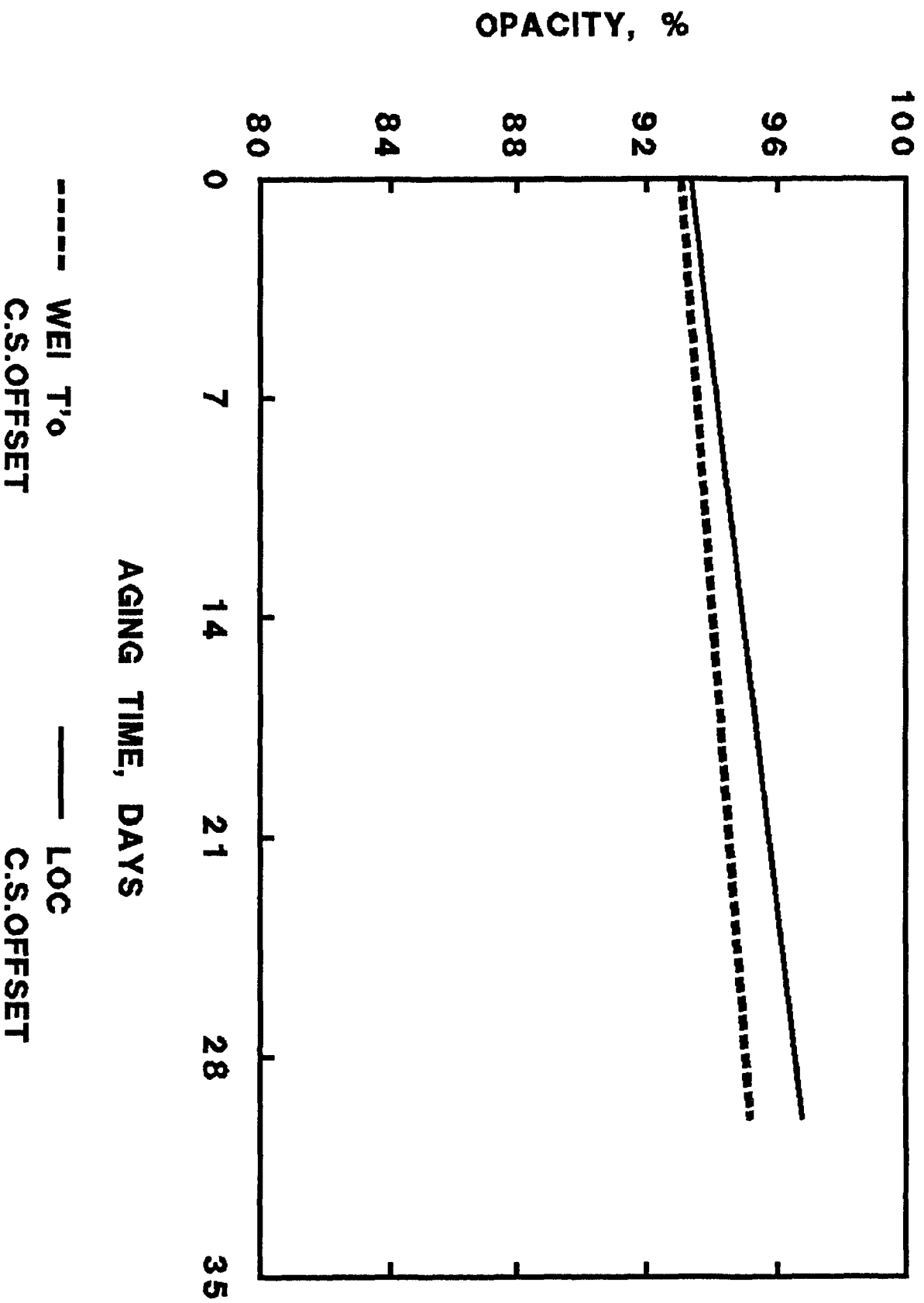


FIGURE-26

WEI T'O ASSOCIATES, INC.
AVERAGE OPACITY COMPARISON

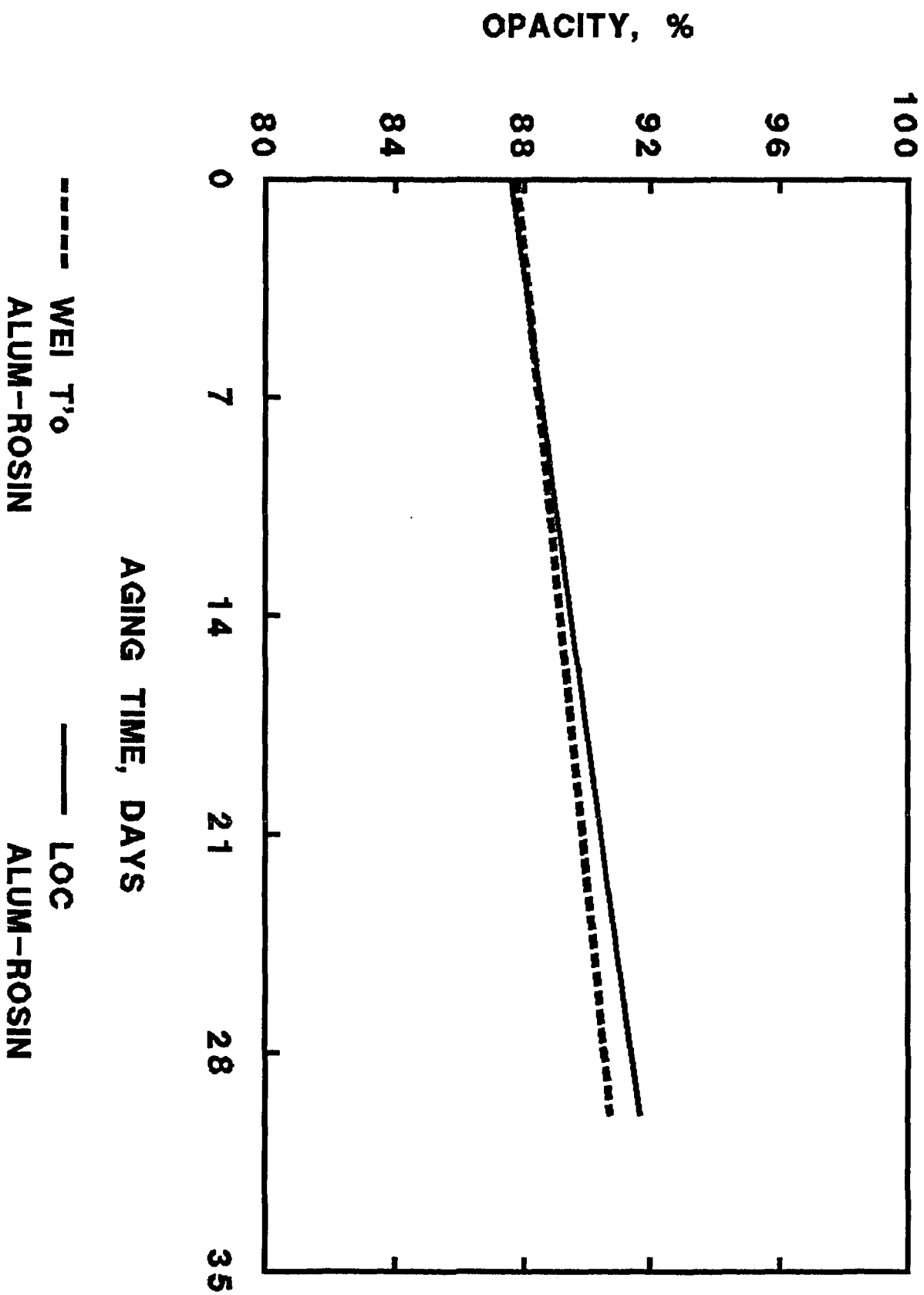


FIGURE-27

WEI T'O ASSOCIATES, INC.

AVERAGE OPACITY COMPARISON

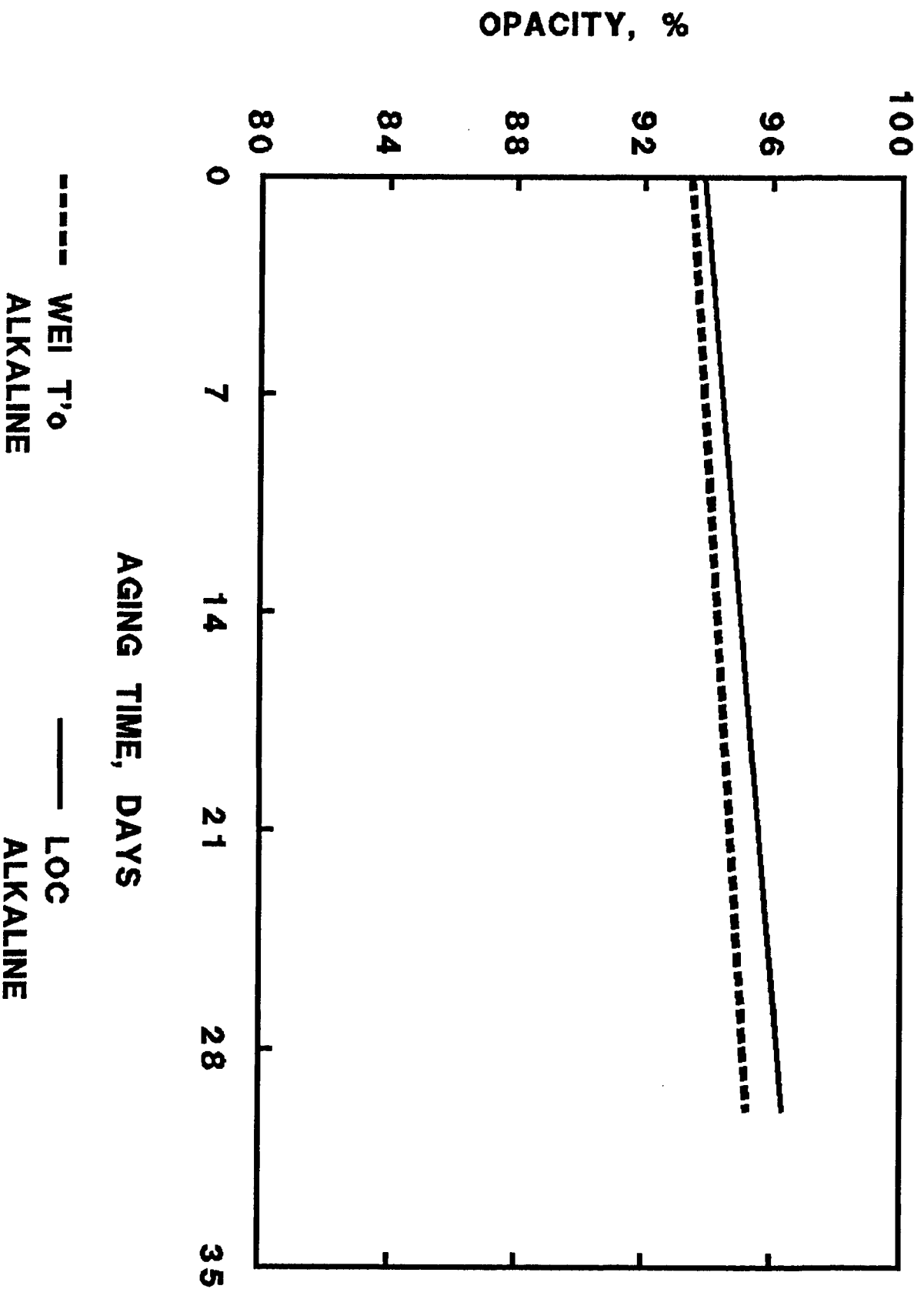


FIGURE-28

WEI T'O ASSOCIATES, INC.
AVERAGE OPACITY COMPARISON

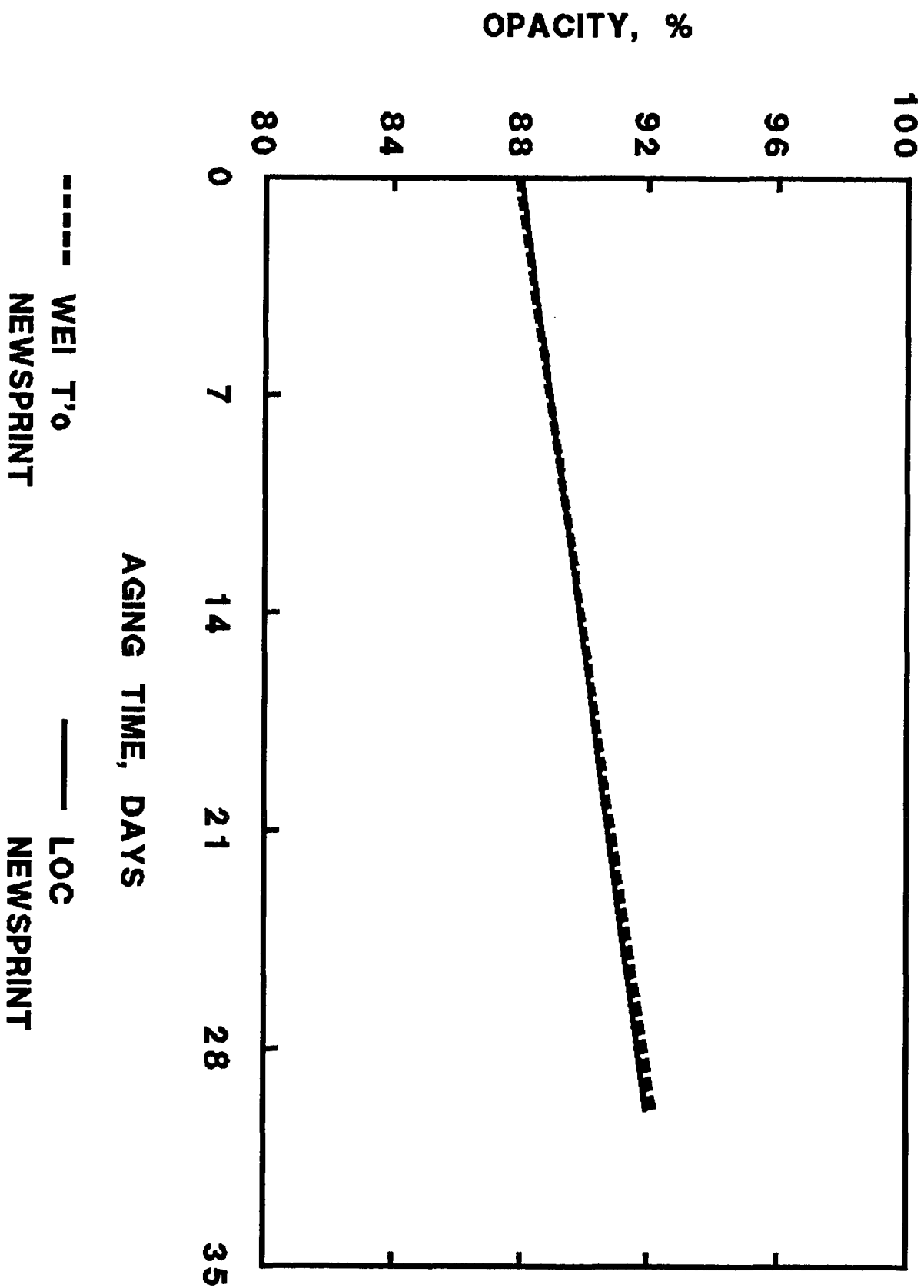


FIGURE-29

Alkali Solubility - The results of alkali solubility tests for unaged samples, and for samples aged 3, 6, 9, 12, 18, 24, and 30 days are given starting on page A-303 of the appendix. Following the tabulation of data are 4 plots of solubility against time of aging. Each plot represents data for 1 of 4 book parts (G, H, K, or M) of the 2 books used for this testing. The results for each of the two books are shown separately on the same plots. Error limits are not shown for this test since only two measurements were made for each test variable.

Retention of Alkaline Reserve - The results of alkaline reserve tests for unaged samples, and for samples aged 3, 6, 9, 12, 18, 24, and 30 days are given starting on page A-315 of the appendix. Following the tabulation of data are 3 plots of alkaline reserve against time of aging. Each plot represents data for 1 of 3 book parts (G, H, or M) of the 2 books used for this testing. The results for each of the two books are shown separately on the same plots. Error limits are not shown for this test since only two measurements were made for each test variable.

WEI T'o ASSOCIATES, INC.

MOISTURE CONTENT DATA

Whole Book Data

Individual Pages Data

Test Number	Control Number	Moisture %	Test Number	Control Number	Page Number	Moisture %
1	<u>301134</u>	<u>3.30</u>	1	<u>100795</u>	<u>41</u>	<u>4.01</u>
2	<u>101140</u>	<u>4.18</u>	2	<u>301548</u>	<u>21</u>	<u>3.60</u>
3	<u>304002</u>	<u>4.08</u>	3	<u>100028</u>	<u>17</u>	<u>2.88</u>
4	<u>100982</u>	<u>2.91</u>	4	<u>302911</u>	<u>17</u>	<u>4.07</u>
5	<u>301520</u>	<u>3.76</u>	5	<u>100795</u>	<u>117</u>	<u>4.00</u>
6	<u>303086</u>	<u>3.25</u>	6	<u>301548</u>	<u>159</u>	<u>3.26</u>
7	<u>302676</u>	<u>3.00</u>	7	<u>100028</u>	<u>41</u>	<u>2.78</u>
8	<u>302152</u>	<u>3.38</u>	8	<u>302911</u>	<u>69</u>	<u>4.18</u>
9	<u>101288</u>	<u>3.76</u>	9	<u>100795</u>	<u>163</u>	<u>4.02</u>
10	<u>302353</u>	<u>3.71</u>	10	<u>301548</u>	<u>310</u>	<u>3.42</u>
Average		<u>3.53</u>	11	<u>100028</u>	<u>70</u>	<u>2.57</u>
Std. Dev.		<u>0.432</u>	12	<u>302911</u>	<u>117</u>	<u>3.91</u>
			13	<u>100795</u>	<u>197</u>	<u>4.13</u>
			14	<u>301548</u>	<u>419</u>	<u>3.45</u>
			15	<u>100028</u>	<u>92</u>	<u>2.69</u>
			16	<u>302911</u>	<u>128</u>	<u>4.08</u>
			Average			<u>3.57</u>
			Std. Dev.			<u>0.572</u>

WEI T'o ASSOCIATES, INC.

ODOR EVALUATION – WHOLE BOOK

PANELIST A

<u>CONTROL #</u>	<u>None</u>	<u>Threshold</u>	<u>Slight</u>	<u>Moderate</u>	<u>Strong</u>
<u>300388</u>					<u>X</u>
<u>300349</u>					<u>X</u>
<u>300357</u>					<u>X</u>
<u>303352</u>					<u>X</u>
<u>300215</u>				<u>X</u>	
<u>302455</u>				<u>X</u>	
<u>303707</u>				<u>X</u>	
<u>300395</u>				<u>X</u>	
<u>300366</u>				<u>X</u>	
<u>100664</u>				<u>X</u>	
<u>302273</u>				<u>X</u>	
<u>303845</u>			<u>X</u>		
<u>303564</u>			<u>X</u>		
<u>303125</u>			<u>X</u>		
<u>100854</u>			<u>X</u>		
<u>100731</u>			<u>X</u>		
<u>302146</u>			<u>X</u>		
<u>302610</u>		<u>X</u>			
<u>300371</u>		<u>X</u>			
<u>303457</u>		<u>X</u>			
<u>100645</u>		<u>X</u>			
<u>300752</u>		<u>X</u>			
<u>303486</u>		<u>X</u>			
<u>100691</u>		<u>X</u>			
<u>302333</u>	<u>X</u>				

* The books were not evaluated in the order listed.

WEI T'o ASSOCIATES, INC.

ODOR EVALUATION – WHOLE BOOK

PANELIST C

<u>CONTROL #</u>	<u>None</u>	<u>Threshold</u>	<u>Slight</u>	<u>Moderate</u>	<u>Strong</u>
<u>300388</u>				<u>X</u>	
<u>300349</u>	<u>X</u>				
<u>300357</u>		<u>X</u>			
<u>303352</u>		<u>X</u>			
<u>300215</u>			<u>X</u>		
<u>302455</u>	<u>X</u>				
<u>303707</u>				<u>X</u>	
<u>300395</u>			<u>X</u>		
<u>300366</u>		<u>X</u>			
<u>100664</u>	<u>X</u>				
<u>302273</u>	<u>X</u>				
<u>303845</u>			<u>X</u>		
<u>303564</u>		<u>X</u>			
<u>303125</u>	<u>X</u>				
<u>100854</u>	<u>X</u>				
<u>100731</u>				<u>X</u>	
<u>302146</u>		<u>X</u>			
<u>302610</u>		<u>X</u>			
<u>300371</u>		<u>X</u>			
<u>303457</u>	<u>X</u>				
<u>100645</u>		<u>X</u>			
<u>300752</u>		<u>X</u>			
<u>303486</u>			<u>X</u>		
<u>100691</u>	<u>X</u>				
<u>302333</u>					<u>X</u>

WEI T'o ASSOCIATES, INC.

ODOR EVALUATION - WHOLE BOOK

PANELIST D

<u>CONTROL #</u>	<u>None</u>	<u>Threshold</u>	<u>Slight</u>	<u>Moderate</u>	<u>Strong</u>
<u>300388</u>				<u>X</u>	
<u>300349</u>				<u>X</u>	
<u>300357</u>				<u>X</u>	
<u>303352</u>				<u>X</u>	
<u>300215</u>				<u>X</u>	
<u>302455</u>				<u>X</u>	
<u>303707</u>			<u>X</u>		
<u>300395</u>	<u>X</u>				
<u>300366</u>			<u>X</u>		
<u>100664</u>		<u>X</u>			
<u>302273</u>		<u>X</u>			
<u>303845</u>	<u>X</u>				
<u>303564</u>	<u>X</u>				
<u>303125</u>			<u>X</u>		
<u>100854</u>			<u>X</u>		
<u>100731</u>		<u>X</u>			
<u>302146</u>			<u>X</u>		
<u>302610</u>				<u>X</u>	
<u>300371</u>	<u>X</u>				
<u>303457</u>		<u>X</u>			
<u>100645</u>			<u>X</u>		
<u>300752</u>			<u>X</u>		
<u>303486</u>				<u>X</u>	
<u>100691</u>				<u>X</u>	
<u>302333</u>	<u>X</u>				

WEI T'o ASSOCIATES, INC.

ODOR EVALUATION – WHOLE BOOK

PANELIST F

<u>CONTROL #</u>	<u>None</u>	<u>Threshold</u>	<u>Slight</u>	<u>Moderate</u>	<u>Strong</u>
<u>300388</u>		<u>X</u>			
<u>300349</u>		<u>X</u>			
<u>300357</u>	<u>X</u>				
<u>303352</u>		<u>X</u>			
<u>300215</u>		<u>X</u>			
<u>302455</u>	<u>X</u>				
<u>303707</u>	<u>X</u>				
<u>300395</u>	<u>X</u>				
<u>300366</u>	<u>X</u>				
<u>100664</u>	<u>X</u>				
<u>302273</u>		<u>X</u>			
<u>303845</u>	<u>X</u>				
<u>303564</u>	<u>X</u>				
<u>303125</u>	<u>X</u>				
<u>100854</u>	<u>X</u>				
<u>100731</u>	<u>X</u>				
<u>302146</u>	<u>X</u>				
<u>302610</u>	<u>X</u>				
<u>300371</u>		<u>X</u>			
<u>303457</u>			<u>X</u>		
<u>100645</u>		<u>X</u>			
<u>300752</u>	<u>X</u>				
<u>303486</u>		<u>X</u>			
<u>100691</u>		<u>X</u>			
<u>302333</u>	<u>X</u>				

TEMPERATURE EXPOSURE DATA

Sensor Control Number	Book Link Number	Maximum Indicated Temperature			
		120-180 Sensor Location	Temp, F	160-220 Sensor Location	Temp, F
<u>400255/256</u>	<u>300395</u>	4	<120	4	<160
<u>400325/326</u>	<u>101126</u>	1	140	1	180
<u>400327/328</u>	<u>101627</u>	2	120	2	<160
<u>400329/330</u>	<u>101701</u>	3	120	3	<160
<u>400331/332</u>	<u>101731</u>	1	140	1	<160
<u>400333/334</u>	<u>301689</u>	2	120	2	<160
<u>400335/336</u>	<u>20004B</u>	2	120	2	<160
<u>400337/338</u>	<u>100731</u>	2	<120	2	<160
<u>400341/342</u>	<u>100144</u>	1	120	1	<160
<u>400343/344</u>	<u>302091</u>	3	120	3	<160
<u>400345/346</u>	<u>100686</u>	2	120	2	<160
<u>400347/348</u>	<u>100249</u>	1	120	1	<160
<u>400349/350</u>	<u>100987</u>	1	120	1	<160
<u>400351/352</u>	<u>100883</u>	1	120	1	<160
<u>400353/354</u>	<u>300380</u>	2	120	2	<160
<u>400355/356</u>	<u>304056</u>	4	120	4	<160

Location of Sensor

1 = Front cover

2 = Back cover

3 = Spine

4 = Insert

WEI T'o ASSOCIATES, INC.

EVALUATION OF LOOSE FILTER PAPERS

<u>CONTROL #</u>	<u>CHANGE</u>		<u>LUMIMOSITY</u>			<u>COLOR CHANGE</u>			
	<u>YES</u>	<u>NO</u>	<u>SAME</u>	<u>LIGHTER</u>	<u>DARKER</u>	<u>RED</u>	<u>YELLOW</u>	<u>GREEN</u>	<u>BLUE</u>
<u>400947</u>	X				X			X	
<u>400927</u>	X				X			X	
<u>400927</u>	X				X			X	
<u>400928</u>	X				X			X	
<u>400928</u>	X				X	X		X	
<u>400943</u>	X				X			X	
<u>400943</u>	X				X			X	
<u>400943</u>	X				X			X	
<u>400942</u>	X				X			X	
<u>400942</u>	X				X	X		X	
<u>400947</u>	X				X			X	
<u>400947</u>	X				X			X	
<u>400949</u>	X				X			X	
<u>400950</u>	X				X			X	
<u>400950</u>	X				X			X	
<u>400940</u>	X				X			X	
<u>400949</u>	X				X			X	
<u>400948</u>	X				X			X	
<u>400948</u>	X				X			X	
<u>400940</u>	X				X			X	
<u>400941</u>	X				X			X	
<u>400941</u>	X				X			X	
<u>400937</u>	X				X			X	
<u>400937</u>	X				X			X	
<u>400926</u>	X				X			X	
<u>400926</u>	X				X			X	
<u>400935</u>	X				X			X	

WEI T'o ASSOCIATES, INC.

EVALUATION OF LOOSE FILTER PAPERS

<u>CONTROL #</u>	<u>CHANGE</u>		<u>LUMIMOSITY</u>			<u>COLOR CHANGE</u>			
	<u>YES</u>	<u>NO</u>	<u>SAME</u>	<u>LIGHTER</u>	<u>DARKER</u>	<u>RED</u>	<u>YELLOW</u>	<u>GREEN</u>	<u>BLUE</u>
<u>400935</u>	X				X			X	
<u>400936</u>	X				X			X	
<u>400936</u>	X				X			X	
<u>400934</u>	X				X			X	
<u>400934</u>	X				X			X	
<u>400933</u>	X				X			X	
<u>400933</u>	X				X			X	
<u>400939</u>	X				X			X	
<u>400939</u>	X				X			X	
<u>400946</u>	X				X			X	
<u>400946</u>	X				X			X	
<u>400931</u>	X				X			X	
<u>400931</u>	X				X			X	
<u>400932</u>	X				X			X	
<u>400932</u>	X				X			X	
<u>400929</u>	X				X			X	
<u>400929</u>	X				X			X	
<u>400930</u>	X				X			X	
<u>400930</u>	X				X			X	
<u>400930</u>	X				X			X	
<u>400930</u>	X				X			X	
<u>400938</u>	X				X			X	
<u>400945</u>	X				X			X	
<u>400944</u>	X				X			X	
<u>400938</u>	X				X			X	
<u>400944</u>	X				X			X	
<u>400945</u>	X				X			X	

WEI T'o ASSOCIATES, INC.

EVALUATION OF ATTACHED FILTER PAPERS

<u>CONTROL #</u>	<u>LINK #</u>	<u>FILTER LOCATION</u>			<u>BLEEDING/LEACHING</u>
		COVER	COLOR/BW ILLUSTRATION	PRINTED TEXT	%
<u>400801</u>	<u>100275</u>			<u>X</u>	<u>3%</u>
<u>400802</u>	<u>100275</u>	<u>X</u>			<u>6%</u>
<u>400803</u>	<u>101592</u>			<u>X</u>	<u>2%</u>
<u>400804</u>	<u>101592</u>	<u>X</u>			<u>3%</u>
<u>400805</u>	<u>100237</u>		<u>X</u>		<u>1%</u>
<u>400806</u>	<u>100237</u>	<u>X</u>			<u>5%</u>
<u>400807</u>	<u>100579</u>			<u>X</u>	<u>3%</u>
<u>400808</u>	<u>100579</u>	<u>X</u>			<u>6%</u>
<u>400811</u>	<u>303025</u>			<u>X</u>	<u>2%</u>
<u>400812</u>	<u>303025</u>	<u>X</u>			<u>8%</u>
<u>400813</u>	<u>303028</u>			<u>X</u>	<u>3%</u>
<u>400814</u>	<u>303028</u>	<u>X</u>			<u>7%</u>
<u>400815</u>	<u>303564</u>			<u>X</u>	<u>1%</u>
<u>400816</u>	<u>303564</u>	<u>X</u>			<u>3%</u>
<u>400793</u>	<u>101460</u>		<u>X</u>		<u>4%</u>
<u>400794</u>	<u>101460</u>	<u>X</u>			<u>4%</u>
<u>400795</u>	<u>301908</u>		<u>X</u>		<u>20%</u>
<u>400796</u>	<u>301908</u>	<u>X</u>			<u>6%</u>
<u>400798</u>	<u>101664</u>	<u>X</u>			<u>3%</u>
<u>400799</u>	<u>301574</u>		<u>X</u>		<u>5%</u>
<u>400800</u>	<u>301574</u>	<u>X</u>			<u>4%</u>
<u>400751</u>	<u>101439</u>	<u>X</u>			<u>4%</u>
<u>400749</u>	<u>100326</u>	<u>X</u>			<u>7%</u>
<u>400750</u>	<u>100326</u>			<u>X</u>	<u>5%</u>
<u>400752</u>	<u>101439</u>			<u>X</u>	<u>10%</u>
<u>400042</u>	<u>100319</u>	<u>X</u>			<u>8%</u>
<u>400043</u>	<u>100319</u>		<u>X</u>		<u>1%</u>

WEI T'o ASSOCIATES, INC.

EVALUATION OF ATTACHED FILTER PAPERS

<u>CONTROL #</u>	<u>LINK #</u>	<u>FILTER LOCATION</u>			<u>BLEEDING/LEACHING</u>
		<u>COVER</u>	<u>COLOR/BW ILLUSTRATION</u>	<u>PRINTED TEXT</u>	<u>%</u>
<u>400062</u>	<u>100878</u>	<u>X</u>			<u>6%</u>
<u>400063</u>	<u>100878</u>		<u>X</u>		<u>3%</u>
<u>400082</u>	<u>100739</u>	<u>X</u>			<u>5%</u>
<u>400083</u>	<u>100739</u>			<u>X</u>	<u>0%</u>
<u>400102</u>	<u>100356</u>	<u>X</u>			<u>2%</u>
<u>400103</u>	<u>100356</u>			<u>X</u>	<u>5%</u>
<u>400142</u>	<u>100004</u>	<u>X</u>			<u>4%</u>
<u>400143</u>	<u>100004</u>		<u>X</u>		<u>4%</u>
<u>400182</u>	<u>101171</u>	<u>X</u>			<u>5%</u>
<u>400183</u>	<u>101171</u>			<u>X</u>	<u>4%</u>
<u>400202</u>	<u>100838</u>	<u>X</u>			<u>4%</u>
<u>400203</u>	<u>100838</u>		<u>X</u>		<u>3%</u>
<u>400222</u>	<u>101242</u>			<u>X</u>	<u>2%</u>
<u>400237</u>	<u>101242</u>	<u>X</u>			<u>7%</u>

WEI T'o ASSOCIATES, INC.

COLD EXTRACT pH DATA

	Control Number	Sheet Number	Cold Extract pH	
			Specimen 1	Specimen 2
Non-Test Book	<u>302687</u>	1	<u>8.7</u>	<u>8.8</u>
		2	<u>8.7</u>	<u>9.1</u>
		3	<u>8.4</u>	<u>9.2</u>
		4	<u>8.4</u>	<u>8.5</u>
		5	<u>8.8</u>	<u>8.6</u>
Non-Test Book	<u>301628</u>	1	<u>8.5</u>	<u>8.2</u>
		2	<u>8.4</u>	<u>8.4</u>
		3	<u>8.3</u>	<u>8.4</u>
		4	<u>8.2</u>	<u>8.5</u>
		5	<u>8.3</u>	<u>8.5</u>
Non-Test Book	<u>101342</u>	1	<u>10.1</u>	<u>10.0</u>
		2	<u>10.1</u>	<u>10.0</u>
		3	<u>10.1</u>	<u>9.9</u>
		4	<u>10.0</u>	<u>10.1</u>
		5	<u>9.9</u>	<u>10.0</u>
Non-Test Book	<u>100102</u>	1	<u>10.2</u>	<u>10.3</u>
		2	<u>10.2</u>	<u>10.2</u>
		3	<u>10.2</u>	<u>10.3</u>
		4	<u>10.2</u>	<u>10.2</u>
		5	<u>10.2</u>	<u>10.2</u>

WEI T'o ASSOCIATES, INC.
COLD EXTRACT pH DATA

	Control Number	Sheet Number	Cold Extract pH	
			Specimen 1	Specimen 2
Non-Test Book	<u>302762</u>	1	<u>9.2</u>	<u>9.2</u>
		2	<u>9.2</u>	<u>8.9</u>
		3	<u>9.3</u>	<u>8.9</u>
		4	<u>9.3</u>	<u>9.8</u>
		5	<u>9.3</u>	<u>9.8</u>
Non-Test Book	<u>301838</u>	1	<u>10.5</u>	<u>10.4</u>
		2	<u>10.5</u>	<u>10.4</u>
		3	<u>10.5</u>	<u>10.3</u>
		4	<u>10.5</u>	<u>10.4</u>
		5	<u>10.4</u>	<u>10.4</u>
Half-Book	<u>20020B</u>	1	<u>8.6</u>	<u>8.5</u>
		2	<u>8.6</u>	<u>8.5</u>
		3	<u>8.5</u>	<u>8.3</u>
		4	<u>8.5</u>	<u>8.5</u>
		5	<u>8.6</u>	<u>8.4</u>
Half-Book	<u>20147B</u>	1	<u>8.2</u>	<u>8.0</u>
		2	<u>8.1</u>	<u>7.6</u>
		3	<u>7.3</u>	<u>7.7</u>
		4	<u>7.4</u>	<u>8.1</u>
		5	<u>8.2</u>	<u>8.1</u>

WEI T'o ASSOCIATES, INC.

COLD EXTRACT pH DATA

	Control Number	Sheet Number	Cold Extract pH	
			Specimen 1	Specimen 2
Half-Book	<u>20085B</u>	1	<u>9.5</u>	<u>9.4</u>
		2	<u>9.4</u>	<u>9.3</u>
		3	<u>9.4</u>	<u>9.4</u>
		4	<u>9.5</u>	<u>9.3</u>
		5	<u>9.2</u>	<u>9.4</u>
Test-Book Part G	<u>304010</u>	1	<u>8.9</u>	<u>8.8</u>
		2	<u>8.8</u>	<u>8.9</u>
		3	<u>9.1</u>	<u>8.8</u>
		4	<u>9.2</u>	<u>9.0</u>
		5	<u>8.8</u>	<u>9.0</u>

WEI T'o ASSOCIATES, INC.

HOT EXTRACT pH DATA

	Control Number	Sheet Number	Hot Extract pH Specimen 1	Specimen 2
Non-Test Book	<u>302687</u>	1	<u>8.6</u>	<u>8.7</u>
		2	<u>8.6</u>	<u>8.7</u>
		3	<u>8.2</u>	<u>8.6</u>
		4	<u>8.2</u>	<u>8.4</u>
		5	<u>8.8</u>	<u>8.3</u>
Non-Test Book	<u>301628</u>	1	<u>8.9</u>	<u>8.6</u>
		2	<u>8.9</u>	<u>8.6</u>
		3	<u>8.9</u>	<u>8.7</u>
		4	<u>8.9</u>	<u>8.7</u>
		5	<u>8.8</u>	<u>8.7</u>
Non-Test Book	<u>101342</u>	1	<u>9.1</u>	<u>9.1</u>
		2	<u>9.1</u>	<u>9.4</u>
		3	<u>9.1</u>	<u>9.3</u>
		4	<u>9.1</u>	<u>9.3</u>
		5	<u>9.0</u>	<u>9.5</u>
Non-Test Book	<u>100102</u>	1	<u>8.8</u>	<u>8.9</u>
		2	<u>8.8</u>	<u>9.0</u>
		3	<u>8.9</u>	<u>9.0</u>
		4	<u>8.8</u>	<u>9.0</u>
		5	<u>8.7</u>	<u>9.0</u>

WEI T'o ASSOCIATES, INC.

HOT EXTRACT pH DATA

	Control Number	Sheet Number	Hot Extract pH	
			Specimen 1	Specimen 2
Non-Test Book	<u>302762</u>	1	<u>9.3</u>	<u>9.1</u>
		2	<u>9.3</u>	<u>9.3</u>
		3	<u>9.2</u>	<u>9.2</u>
		4	<u>9.3</u>	<u>9.3</u>
		5	<u>9.3</u>	<u>9.3</u>
Non-Test Book	<u>301838</u>	1	<u>10.0</u>	<u>9.8</u>
		2	<u>10.0</u>	<u>9.9</u>
		3	<u>10.2</u>	<u>9.9</u>
		4	<u>10.2</u>	<u>9.9</u>
		5	<u>10.2</u>	<u>10.1</u>
Half-Book	<u>20020B</u>	1	<u>8.3</u>	<u>8.0</u>
		2	<u>8.3</u>	<u>8.2</u>
		3	<u>8.1</u>	<u>7.7</u>
		4	<u>8.2</u>	<u>8.1</u>
		5	<u>8.3</u>	<u>7.8</u>
Half-Book	<u>20147B</u>	1	<u>7.9</u>	<u>7.9</u>
		2	<u>7.5</u>	<u>7.4</u>
		3	<u>6.1</u>	<u>7.6</u>
		4	<u>6.2</u>	<u>8.2</u>
		5	<u>7.8</u>	<u>8.3</u>

WEI T'o ASSOCIATES, INC.

HOT EXTRACT pH DATA

	Control Number	Sheet Number	Hot Extract pH	
			Specimen 1	Specimen 2
Half-Book	<u>20085B</u>	1	<u>9.2</u>	<u>9.1</u>
		2	<u>9.2</u>	<u>9.0</u>
		3	<u>9.2</u>	<u>8.9</u>
		4	<u>9.2</u>	<u>9.2</u>
		5	<u>9.1</u>	<u>8.9</u>
Test-Book Part G	<u>304010</u>	1	<u>9.4</u>	<u>9.2</u>
		2	<u>9.3</u>	<u>9.2</u>
		3	<u>9.4</u>	<u>9.2</u>
		4	<u>9.2</u>	<u>9.4</u>
		5	<u>9.2</u>	<u>9.3</u>

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number

302045

Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>33-36</u>	1	1.9	<u>103-106</u>	1	1.7
	2	1.8		2	1.3
	3	1.7		3	1.5
	4	1.9		4	1.8
<u>37-40</u>	5	2.1	<u>107-110</u>	5	1.8
	6	mf		6	1.5
	7	2.1		7	1.8
	8	2.6		8	1.8
<u>'67-70</u>	1	2.5	<u>137-140</u>	1	2.2
	2	1.7		2	2.1
	3	2.4		3	2.1
	4	2.6		4	2.4
<u>71-74</u>	5	2.9	<u>141-143</u>	5	2.1
	6	1.9		6	2.2
	7	2.2		7	2.1
	8	2.7		8	1.9

* mf stands for malfunction of machine

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number			<u>301908</u>		
Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>305-314</u>	1	0.4	<u>933-942</u>	1	mf
	2	0.5		2	0.1
	3	0.2		3	<0.1
	4	0.3		4	<0.1
<u>315-324</u>	5	0.4	<u>943-952</u>	5	0.3
	6	0.3		6	<0.1
	7	0.3		7	0.2
	8	0.5		8	0.2
<u>619-628</u>	1	<0.1	<u>1247-1256</u>	1	0.7
	2	<0.1		2	0.5
	3	<0.1		3	0.1
	4	<0.1		4	0.3
<u>629-638</u>	5	0.2	<u>1257-1266</u>	5	0.3
	6	0.3		6	0.2
	7	0.2		7	0.2
	8	0.6		8	0.6

* mf stands for malfunction of machine

WEI T'ao ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number 100332

Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>39-42</u>	1	4.5	<u>121-124</u>	1	5.5
	2	3.9		2	4.8
	3	3.5		3	4.7
	4	4.0		4	4.8
<u>43-46</u>	5	3.9	<u>125-128</u>	5	5.1
	6	3.5		6	4.5
	7	3.5		7	4.4
	8	4.1		8	mf
<u>79-82</u>	1	4.9	<u>161-164</u>	1	4.6
	2	4.3		2	4.4
	3	4.2		3	4.3
	4	4.4		4	4.1
<u>83-86</u>	5	4.5	<u>165-168</u>	5	4.8
	6	4.0		6	4.2
	7	3.9		7	4.0
	8	4.7		8	4.9

* mf stands for malfunction of machine

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number

100234

Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>115-118</u>	1	1.4	<u>349-352</u>	1	1.3
	2	0.8		2	0.6
	3	0.9		3	0.8
	4	1.2		4	0.8
<u>119-122</u>	5	1.2	<u>353-356</u>	5	1.2
	6	1.0		6	0.6
	7	1.1		7	0.7
	8	1.3		8	1.3
<u>233-236</u>	1	1.1	<u>467-470</u>	1	1.3
	2	0.8		2	1.1
	3	0.8		3	1.1
	4	1.6		4	1.1
<u>237-240</u>	5	1.3	<u>471-474</u>	5	1.3
	6	0.9		6	0.9
	7	0.8		7	0.7
	8	1.4		8	1.3

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number

100424

Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>1099-1102</u>	1	0.5	<u>1308-1311</u>	1	0.8
	2	0.6		2	0.5
	3	0.4		3	0.5
	4	0.3		4	0.4
<u>1103-1106</u>	5	0.5	<u>1309-1312</u>	5	0.7
	6	0.1		6	0.4
	7	0.3		7	0.2
	8	0.5		8	0.7
<u>1206-1209</u>	1	0.7	<u>1409-1412</u>	1	0.8
	2	0.2		2	0.5
	3	0.3		3	0.6
	4	0.5		4	0.5
<u>1207-1210</u>	5	0.6	<u>1413-1416</u>	5	0.6
	6	0.4		6	0.2
	7	0.2		7	0.1
	8	0.6		8	0.5

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number

300199

Page
Number

Piece
Number

CaCO₃,
%

Page
Number

Piece
Number

CaCO₃,
%

147-150

1

1.1

451-454

1

0.8

2

0.8

2

0.7

3

1.0

3

0.9

4

0.9

4

0.8

151-154

5

1.2

455-458

5

0.8

6

0.6

6

0.5

7

0.6

7

0.6

8

1.3

8

0.9

299-302

1

0.9

601-604

1

0.9

2

0.6

2

0.4

3

0.7

3

0.6

4

0.8

4

0.6

303-306

5

0.6

605-608

5

0.8

6

0.4

6

0.6

7

0.3

7

0.5

8

0.8

8

0.5

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number

303030

Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>31-34</u>	1	2.9	<u>97-100</u>	1	2.6
	2	2.4		2	2.6
	3	2.4		3	2.6
	4	2.4		4	2.6
<u>35-38</u>	5	2.6	<u>101-104</u>	5	2.6
	6	2.2		6	2.4
	7	2.1		7	2.5
	8	2.6		8	2.9
<u>63-66</u>	1	2.0	<u>129-132</u>	1	2.4
	2	2.8		2	3.0
	3	2.7		3	3.0
	4	3.1		4	2.9
<u>67-70</u>	5	3.1	<u>133-136</u>	5	2.9
	6	2.6		6	2.9
	7	2.0		7	2.6
	8	2.5		8	3.2

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number

302863

Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>185-190</u>	1	1.5	<u>575-580</u>	1	1.0
	2	1.1		2	1.0
	3	1.0		3	0.8
	4	0.8		4	0.8
<u>191-196</u>	5	1.0	<u>581-586</u>	5	1.4
	6	0.9		6	1.2
	7	0.8		7	0.9
	8	1.0		8	1.2
<u>375-380</u>	1	1.3	<u>775-760</u>	1	0.9
	2	1.3		2	0.8
	3	1.0		3	0.9
	4	0.9		4	0.7
<u>381-386</u>	5	mf	<u>761-766</u>	5	mf
	6	0.6		6	0.7
	7	0.8		7	0.7
	8	1.5		8	1.2

* mf stands for malfunction of machine

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number 101460

Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>12-15</u>	1	1.3	<u>157-160</u>	1	0.9
	2	0.9		2	0.8
	3	0.8		3	0.8
	4	1.0		4	0.8
<u>16-19</u>	5	1.2	<u>161-164</u>	5	0.9
	6	0.7		6	0.7
	7	0.7		7	0.9
	8	1.1		8	0.8
<u>77-80</u>	1	0.9	<u>237-240</u>	1	1.1
	2	0.7		2	0.8
	3	0.7		3	0.9
	4	0.6		4	0.9
<u>81-84</u>	5	0.7	<u>241-244</u>	5	1.1
	6	0.6		6	0.7
	7	0.7		7	0.8
	8	0.9		8	1.2

WEI T'o ASSOCIATES, INC.

ALKALINE RESERVE DATA

Control Number 101664

Page Number	Piece Number	CaCO ₃ , %	Page Number	Piece Number	CaCO ₃ , %
<u>193-196</u>	1	19.0	<u>589-592</u>	1	1.1
	2	19.1		2	0.6
	3	19.1		3	0.8
	4	19.0		4	0.5
<u>197-200</u>	5	19.0	<u>593-596</u>	5	0.7
	6	19.1		6	0.3
	7	18.5		7	0.1
	8	18.9		8	0.8
<u>291-394</u>	1	19.1	<u>787-790</u>	1	0.8
	2	19.2		2	0.5
	3	19.6		3	0.5
	4	19.3		4	0.2
<u>395-398</u>	5	18.9	<u>791-794</u>	5	0.6
	6	18.8		6	0.6
	7	19.0		7	0.6
	8	19.0		8	0.8

* Reason for such great difference is change in paper.

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

0 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet # 11 16

11 16

Specimen
Number

Specimen
Number

1 367 258

1 544 414

2 316 229

2 209 436

3 255 162

3 506 233

4 428 333

4 375 419

5 327 161

5 404 558

6 223 248

6 524 566

7 300 289

7 242 449

8 341 307

8 491 934

9 425 294

9 273 454

10 439 358

10 466 854

11 319 218

11 239 587

12 392 346

12 376 551

Average 344 267

Average 387 538

Std. Dev. 68.5 66.2

Std. Dev 121.7 192.7

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

0 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
Specimen Number			Specimen Number		
1	<u>538</u>	<u>544</u>	1	<u>1227</u>	<u>1247</u>
2	<u>714</u>	<u>724</u>	2	<u>1507</u>	<u>759</u>
3	<u>642</u>	<u>610</u>	3	<u>900</u>	<u>995</u>
4	<u>541</u>	<u>813</u>	4	<u>1892</u>	<u>1377</u>
5	<u>832</u>	<u>562</u>	5	<u>1414</u>	<u>1179</u>
6	<u>458</u>	<u>639</u>	6	<u>1175</u>	<u>1121</u>
7	<u>576</u>	<u>694</u>	7	<u>625</u>	<u>1769</u>
8	<u>702</u>	<u>654</u>	8	<u>1087</u>	<u>1091</u>
9	<u>480</u>	<u>565</u>	9	<u>1325</u>	<u>948</u>
10	<u>792</u>	<u>583</u>	10	<u>1228</u>	<u>1449</u>
11	<u>421</u>	<u>573</u>	11	<u>1177</u>	<u>1389</u>
12	<u>539</u>	<u>458</u>	12	<u>1347</u>	<u>899</u>
Average	<u>603</u>	<u>618</u>	Average	<u>1242</u>	<u>1185</u>
Std. Dev.	<u>132.8</u>	<u>94.0</u>	Std. Dev	<u>312.0</u>	<u>279.9</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

0 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet # 11 16

11 16

Specimen
Number

Specimen
Number

1 461 406

1 208 565

2 473 322

2 289 532

3 289 452

3 433 550

4 404 406

4 286 559

5 481 407

5 295 301

6 465 445

6 435 457

7 252 299

7 208 477

8 380 331

8 275 442

9 432 443

9 169 515

10 665 354

10 451 615

11 337 280

11 273 386

12 415 493

12 286 472

Average 421 387

Average 301 489

Std. Dev. 106.4 67.9

Std. Dev 92.8 86.6

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

0 days

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>794</u>	<u>639</u>	1	<u>1359</u>	<u>1468</u>
2	<u>808</u>	<u>467</u>	2	<u>742</u>	<u>1157</u>
3	<u>612</u>	<u>795</u>	3	<u>700</u>	<u>1663</u>
4	<u>660</u>	<u>655</u>	4	<u>1049</u>	<u>1492</u>
5	<u>658</u>	<u>486</u>	5	<u>521</u>	<u>2137</u>
6	<u>576</u>	<u>640</u>	6	<u>1724</u>	<u>1104</u>
7	<u>645</u>	<u>536</u>	7	<u>844</u>	<u>1205</u>
8	<u>737</u>	<u>664</u>	8	<u>1462</u>	<u>1184</u>
9	<u>493</u>	<u>447</u>	9	<u>1360</u>	<u>1311</u>
10	<u>647</u>	<u>524</u>	10	<u>1244</u>	<u>1120</u>
11	<u>818</u>	<u>631</u>	11	<u>986</u>	<u>1493</u>
12	<u>711</u>	<u>558</u>	12	<u>760</u>	<u>1235</u>
Average	<u>680</u>	<u>587</u>	Average	<u>1063</u>	<u>1381</u>
Std. Dev.	<u>98.3</u>	<u>101.3</u>	Std. Dev	<u>366.7</u>	<u>297.6</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

0 days

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>360</u>	<u>304</u>	1	<u>592</u>	<u>517</u>
2	<u>473</u>	<u>211</u>	2	<u>536</u>	<u>479</u>
3	<u>355</u>	<u>233</u>	3	<u>600</u>	<u>585</u>
4	<u>414</u>	<u>167</u>	4	<u>652</u>	<u>654</u>
5	<u>302</u>	<u>218</u>	5	<u>611</u>	<u>522</u>
6	<u>299</u>	<u>344</u>	6	<u>605</u>	<u>742</u>
7	<u>350</u>	<u>308</u>	7	<u>541</u>	<u>400</u>
8	<u>313</u>	<u>268</u>	8	<u>406</u>	<u>734</u>
9	<u>463</u>	<u>328</u>	9	<u>441</u>	<u>654</u>
10	<u>491</u>	<u>293</u>	10	<u>560</u>	<u>627</u>
11	<u>270</u>	<u>322</u>	11	<u>630</u>	<u>691</u>
12	<u>239</u>	<u>298</u>	12	<u>485</u>	<u>555</u>
Average	<u>361</u>	<u>275</u>	Average	<u>555</u>	<u>597</u>
Std. Dev.	<u>82.9</u>	<u>55.1</u>	Std. Dev	<u>76.7</u>	<u>105.6</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

0 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
Specimen Number			Specimen Number		
1	<u>447</u>	<u>771</u>	1	<u>1151</u>	<u>718</u>
2	<u>700</u>	<u>549</u>	2	<u>1644</u>	<u>1656</u>
3	<u>495</u>	<u>728</u>	3	<u>1442</u>	<u>1083</u>
4	<u>416</u>	<u>411</u>	4	<u>1250</u>	<u>1846</u>
5	<u>419</u>	<u>615</u>	5	<u>1388</u>	<u>1336</u>
6	<u>719</u>	<u>738</u>	6	<u>874</u>	<u>1187</u>
7	<u>754</u>	<u>663</u>	7	<u>1020</u>	<u>1147</u>
8	<u>492</u>	<u>762</u>	8	<u>1152</u>	<u>1838</u>
9	<u>480</u>	<u>678</u>	9	<u>1104</u>	<u>942</u>
10	<u>494</u>	<u>527</u>	10	<u>1247</u>	<u>1217</u>
11	<u>593</u>	<u>601</u>	11	<u>1581</u>	<u>1115</u>
12	<u>579</u>	<u>870</u>	12	<u>1132</u>	<u>1143</u>
Average	<u>549</u>	<u>659</u>	Average	<u>1249</u>	<u>1269</u>
Std. Dev.	<u>118.9</u>	<u>126.3</u>	Std. Dev	<u>227.6</u>	<u>346.4</u>

WEI T'g ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

3 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet # 3 7

3 7

Specimen
Number

Specimen
Number

1 466 291

1 1244 1321

2 836 582

2 622 318

3 456 506

3 848 623

4 254 590

4 691 849

5 583 474

5 952 801

6 428 431

6 888 889

7 580 430

7 657 621

8 567 475

8 353 427

9 609 470

9 972 506

10 567 318

10 578 878

11 916 596

11 531 1046

12 535 249

12 492 648

Average 566 451

Average 736 744

Std. Dev. 175.1 115.6

Std. Dev 250.6 278.8

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

3 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet # 3 7

3 7

Specimen
Number

Specimen
Number

1 416 468

1 239 932

2 353 245

2 910 930

3 490 309

3 481 719

4 561 480

4 1034 573

5 334 545

5 749 940

6 476 420

6 1018 1159

7 583 263

7 796 901

8 752 501

8 444 658

9 390 396

9 704 869

10 554 620

10 685 550

11 476 486

11 270 1235

12 466 497

12 568 1210

Average 488 436

Average 658 890

Std. Dev. 115.2 114.2

Std. Dev 265.6 233.4

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

3 daysBOOK PART LETTER GBOOK PART LETTER HSheet # 3 73 7Specimen
NumberSpecimen
Number1 325 2291 275 2962 403 2222 392 1233 364 2073 318 2674 317 2134 369 2575 251 1675 313 2166 307 1716 193 2637 319 1857 250 1738 421 2158 266 2569 248 2809 333 35010 260 26610 216 32911 397 15411 276 46012 183 29812 203 294Average 316 217Average 284 274Std. Dev. 72.2 45.6Std. Dev 63.5 86.0

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

3 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet # <u>3</u>			<u>7</u>			<u>3</u>			<u>7</u>		
Specimen Number						Specimen Number					
1	<u>459</u>		<u>526</u>			1	<u>535</u>		<u>828</u>		
2	<u>320</u>		<u>309</u>			2	<u>1278</u>		<u>270</u>		
3	<u>397</u>		<u>361</u>			3	<u>976</u>		<u>754</u>		
4	<u>401</u>		<u>701</u>			4	<u>956</u>		<u>1140</u>		
5	<u>553</u>		<u>301</u>			5	<u>1171</u>		<u>895</u>		
6	<u>328</u>		<u>423</u>			6	<u>1129</u>		<u>340</u>		
7	<u>257</u>		<u>534</u>			7	<u>965</u>		<u>533</u>		
8	<u>677</u>		<u>533</u>			8	<u>1121</u>		<u>458</u>		
9	<u>539</u>		<u>517</u>			9	<u>912</u>		<u>656</u>		
10	<u>626</u>		<u>377</u>			10	<u>1041</u>		<u>526</u>		
11	<u>473</u>		<u>437</u>			11	<u>1035</u>		<u>857</u>		
12	<u>452</u>		<u>568</u>			12	<u>1477</u>		<u>288</u>		
Average	<u>457</u>		<u>466</u>			Average	<u>1050</u>		<u>629</u>		
Std. Dev.	<u>126.3</u>		<u>118.5</u>			Std. Dev	<u>226.9</u>		<u>272.6</u>		

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

6 days

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>10</u>	<u>15</u>		<u>10</u>	<u>15</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>117</u>	<u>325</u>	1	<u>447</u>	<u>498</u>
2	<u>200</u>	<u>329</u>	2	<u>384</u>	<u>822</u>
3	<u>142</u>	<u>274</u>	3	<u>455</u>	<u>448</u>
4	<u>133</u>	<u>360</u>	4	<u>580</u>	<u>543</u>
5	<u>239</u>	<u>340</u>	5	<u>271</u>	<u>458</u>
6	<u>172</u>	<u>366</u>	6	<u>568</u>	<u>470</u>
7	<u>249</u>	<u>377</u>	7	<u>459</u>	<u>377</u>
8	<u>256</u>	<u>382</u>	8	<u>438</u>	<u>533</u>
9	<u>200</u>	<u>236</u>	9	<u>563</u>	<u>583</u>
10	<u>247</u>	<u>473</u>	10	<u>356</u>	<u>517</u>
11	<u>209</u>	<u>182</u>	11	<u>302</u>	<u>433</u>
12	<u>206</u>	<u>287</u>	12	<u>474</u>	<u>463</u>
Average	<u>198</u>	<u>328</u>	Average	<u>441</u>	<u>512</u>
Std. Dev.	<u>47.5</u>	<u>75.9</u>	Std. Dev	<u>100.3</u>	<u>112.2</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

6 days

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>10</u>	<u>15</u>		<u>10</u>	<u>15</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>443</u>	<u>532</u>	1	<u>778</u>	<u>887</u>
2	<u>483</u>	<u>383</u>	2	<u>743</u>	<u>840</u>
3	<u>492</u>	<u>496</u>	3	<u>1344</u>	<u>847</u>
4	<u>287</u>	<u>490</u>	4	<u>954</u>	<u>457</u>
5	<u>466</u>	<u>329</u>	5	<u>721</u>	<u>1047</u>
6	<u>363</u>	<u>445</u>	6	<u>453</u>	<u>771</u>
7	<u>438</u>	<u>285</u>	7	<u>743</u>	<u>919</u>
8	<u>439</u>	<u>475</u>	8	<u>549</u>	<u>901</u>
9	<u>395</u>	<u>508</u>	9	<u>653</u>	<u>701</u>
10	<u>380</u>	<u>595</u>	10	<u>550</u>	<u>1041</u>
11	<u>378</u>	<u>340</u>	11	<u>1145</u>	<u>1182</u>
12	<u>378</u>	<u>286</u>	12	<u>668</u>	<u>607</u>
Average	<u>412</u>	<u>430</u>	Average	<u>775</u>	<u>850</u>
Std. Dev.	<u>59.1</u>	<u>102.8</u>	Std. Dev	<u>257.5</u>	<u>199.2</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

6 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>10</u>	<u>15</u>		<u>10</u>	<u>15</u>
Specimen Number			Specimen Number		
1	<u>485</u>	<u>348</u>	1	<u>1185</u>	<u>749</u>
2	<u>500</u>	<u>503</u>	2	<u>834</u>	<u>316</u>
3	<u>494</u>	<u>527</u>	3	<u>1306</u>	<u>687</u>
4	<u>377</u>	<u>359</u>	4	<u>655</u>	<u>940</u>
5	<u>528</u>	<u>230</u>	5	<u>639</u>	<u>302</u>
6	<u>387</u>	<u>361</u>	6	<u>1244</u>	<u>478</u>
7	<u>497</u>	<u>457</u>	7	<u>941</u>	<u>532</u>
8	<u>499</u>	<u>296</u>	8	<u>623</u>	<u>995</u>
9	<u>424</u>	<u>335</u>	9	<u>609</u>	<u>354</u>
10	<u>432</u>	<u>702</u>	10	<u>885</u>	<u>1024</u>
11	<u>605</u>	<u>429</u>	11	<u>491</u>	<u>666</u>
12	<u>317</u>	<u>366</u>	12	<u>1063</u>	<u>425</u>
Average	<u>462</u>	<u>409</u>	Average	<u>873</u>	<u>622</u>
Std. Dev.	<u>77.8</u>	<u>125.0</u>	Std. Dev	<u>277.2</u>	<u>262.8</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

6 days

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>10</u>	<u>15</u>		<u>10</u>	<u>15</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>240</u>	<u>329</u>	1	<u>89</u>	<u>268</u>
2	<u>170</u>	<u>205</u>	2	<u>297</u>	<u>306</u>
3	<u>177</u>	<u>142</u>	3	<u>456</u>	<u>244</u>
4	<u>153</u>	<u>264</u>	4	<u>252</u>	<u>219</u>
5	<u>265</u>	<u>250</u>	5	<u>333</u>	<u>223</u>
6	<u>211</u>	<u>320</u>	6	<u>306</u>	<u>214</u>
7	<u>207</u>	<u>221</u>	7	<u>389</u>	<u>139</u>
8	<u>253</u>	<u>305</u>	8	<u>218</u>	<u>143</u>
9	<u>208</u>	<u>267</u>	9	<u>241</u>	<u>154</u>
10	<u>267</u>	<u>212</u>	10	<u>459</u>	<u>284</u>
11	<u>207</u>	<u>181</u>	11	<u>312</u>	<u>297</u>
12	<u>152</u>	<u>309</u>	12	<u>443</u>	<u>81</u>
Average	<u>209</u>	<u>250</u>	Average	<u>316</u>	<u>214</u>
Std. Dev.	<u>40.8</u>	<u>59.4</u>	Std. Dev	<u>110.0</u>	<u>71.4</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

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6 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet # 10

15

Specimen
Number

Specimen
Number

10

15

1 462

248

1 957

703

2 451

232

2 431

508

3 322

317

3 657

1383

4 418

316

4 451

618

5 386

546

5 454

702

6 336

413

6 965

993

7 446

291

7 612

654

8 383

416

8 255

917

9 288

418

9 519

583

10 243

318

10 755

487

11 367

311

11 851

423

12 488

444

12 612

822

Average 383

356

Average 627

733

Std. Dev. 75.0

91.6

Std. Dev 221.7

266.8

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

9 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>4</u>	<u>6</u>		<u>4</u>	<u>6</u>
Specimen Number			Specimen Number		
1	<u>313</u>	<u>511</u>	1	<u>673</u>	<u>784</u>
2	<u>275</u>	<u>405</u>	2	<u>1361</u>	<u>509</u>
3	<u>423</u>	<u>472</u>	3	<u>429</u>	<u>1458</u>
4	<u>325</u>	<u>434</u>	4	<u>350</u>	<u>684</u>
5	<u>516</u>	<u>479</u>	5	<u>818</u>	<u>393</u>
6	<u>477</u>	<u>547</u>	6	<u>688</u>	<u>880</u>
7	<u>283</u>	<u>359</u>	7	<u>717</u>	<u>967</u>
8	<u>645</u>	<u>514</u>	8	<u>528</u>	<u>1308</u>
9	<u>279</u>	<u>435</u>	9	<u>482</u>	<u>749</u>
10	<u>502</u>	<u>566</u>	10	<u>578</u>	<u>1200</u>
11	<u>360</u>	<u>406</u>	11	<u>944</u>	<u>720</u>
12	<u>391</u>	<u>574</u>	12	<u>1276</u>	<u>968</u>
Average	<u>399</u>	<u>475</u>	Average	<u>737</u>	<u>885</u>
Std. Dev.	<u>116.4</u>	<u>69.1</u>	Std. Dev	<u>318.4</u>	<u>316.2</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

9 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #	<u>4</u>	<u>6</u>		<u>4</u>	<u>6</u>
Specimen Number			Specimen Number		
1	<u>280</u>	<u>294</u>	1	<u>204</u>	<u>155</u>
2	<u>221</u>	<u>198</u>	2	<u>125</u>	<u>310</u>
3	<u>232</u>	<u>157</u>	3	<u>268</u>	<u>111</u>
4	<u>217</u>	<u>151</u>	4	<u>373</u>	<u>178</u>
5	<u>315</u>	<u>228</u>	5	<u>393</u>	<u>228</u>
6	<u>257</u>	<u>138</u>	6	<u>247</u>	<u>240</u>
7	<u>307</u>	<u>133</u>	7	<u>138</u>	<u>164</u>
8	<u>227</u>	<u>297</u>	8	<u>330</u>	<u>209</u>
9	<u>305</u>	<u>153</u>	9	<u>369</u>	<u>214</u>
10	<u>275</u>	<u>269</u>	10	<u>393</u>	<u>273</u>
11	<u>398</u>	<u>158</u>	11	<u>434</u>	<u>228</u>
12	<u>307</u>	<u>160</u>	12	<u>149</u>	<u>181</u>
Average	<u>278</u>	<u>195</u>	Average	<u>285</u>	<u>208</u>
Std. Dev.	<u>52.5</u>	<u>61.5</u>	Std. Dev	<u>111.3</u>	<u>54.2</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

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304008

Aging Time:

9 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>4</u>	<u>6</u>		<u>4</u>	<u>6</u>
Specimen Number			Specimen Number		
1	<u>458</u>	<u>378</u>	1	<u>1150</u>	<u>617</u>
2	<u>467</u>	<u>671</u>	2	<u>1260</u>	<u>576</u>
3	<u>333</u>	<u>422</u>	3	<u>948</u>	<u>949</u>
4	<u>408</u>	<u>458</u>	4	<u>850</u>	<u>547</u>
5	<u>381</u>	<u>523</u>	5	<u>1042</u>	<u>380</u>
6	<u>358</u>	<u>447</u>	6	<u>1220</u>	<u>1161</u>
7	<u>516</u>	<u>433</u>	7	<u>876</u>	<u>1450</u>
8	<u>531</u>	<u>315</u>	8	<u>1524</u>	<u>506</u>
9	<u>400</u>	<u>571</u>	9	<u>647</u>	<u>841</u>
10	<u>414</u>	<u>372</u>	10	<u>1201</u>	<u>659</u>
11	<u>400</u>	<u>406</u>	11	<u>1018</u>	<u>576</u>
12	<u>462</u>	<u>416</u>	12	<u>733</u>	<u>645</u>
Average	<u>427</u>	<u>451</u>	Average	<u>1039</u>	<u>742</u>
Std. Dev.	<u>60.5</u>	<u>96.5</u>	Std. Dev	<u>247.5</u>	<u>307.7</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

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304009

Aging Time:

9 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #	<u>4</u>	<u>6</u>		<u>4</u>	<u>6</u>
Specimen Number			Specimen Number		
1	<u>187</u>	<u>284</u>	1	<u>234</u>	<u>158</u>
2	<u>319</u>	<u>217</u>	2	<u>152</u>	<u>240</u>
3	<u>136</u>	<u>324</u>	3	<u>316</u>	<u>281</u>
4	<u>161</u>	<u>279</u>	4	<u>298</u>	<u>194</u>
5	<u>200</u>	<u>193</u>	5	<u>280</u>	<u>403</u>
6	<u>135</u>	<u>331</u>	6	<u>284</u>	<u>176</u>
7	<u>207</u>	<u>538</u>	7	<u>282</u>	<u>218</u>
8	<u>213</u>	<u>336</u>	8	<u>293</u>	<u>312</u>
9	<u>175</u>	<u>276</u>	9	<u>171</u>	<u>416</u>
10	<u>182</u>	<u>282</u>	10	<u>249</u>	<u>489</u>
11	<u>237</u>	<u>111</u>	11	<u>171</u>	<u>447</u>
12	<u>121</u>	<u>272</u>	12	<u>152</u>	<u>440</u>
Average	<u>189</u>	<u>287</u>	Average	<u>240</u>	<u>315</u>
Std. Dev.	<u>53.6</u>	<u>101.7</u>	Std. Dev	<u>62.1</u>	<u>119.1</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

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304009

Aging Time:

9 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>4</u>	<u>6</u>		<u>4</u>	<u>6</u>
Specimen Number				Specimen Number	
1	<u>341</u>	<u>586</u>		1	<u>591</u> <u>1135</u>
2	<u>818</u>	<u>453</u>		2	<u>778</u> <u>353</u>
3	<u>463</u>	<u>373</u>		3	<u>1178</u> <u>816</u>
4	<u>434</u>	<u>351</u>		4	<u>1140</u> <u>488</u>
5	<u>249</u>	<u>406</u>		5	<u>1023</u> <u>381</u>
6	<u>350</u>	<u>311</u>		6	<u>780</u> <u>358</u>
7	<u>474</u>	<u>434</u>		7	<u>1151</u> <u>649</u>
8	<u>630</u>	<u>400</u>		8	<u>1001</u> <u>367</u>
9	<u>452</u>	<u>453</u>		9	<u>1137</u> <u>520</u>
10	<u>359</u>	<u>296</u>		10	<u>1013</u> <u>317</u>
11	<u>336</u>	<u>513</u>		11	<u>738</u> <u>603</u>
12	<u>501</u>	<u>446</u>		12	<u>920</u> <u>596</u>
Average	<u>451</u>	<u>419</u>		Average	<u>954</u> <u>549</u>
Std. Dev.	<u>152.3</u>	<u>82.0</u>		Std. Dev	<u>192.7</u> <u>238.3</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

12 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet # 9 14

Specimen
Number

Specimen
Number

1 259 268

2 187 317

3 174 277

4 244 309

5 264 207

6 230 284

7 207 301

8 199 324

9 279 309

10 293 266

11 265 251

12 204 250

Average 234 280

Std. Dev. 39.0 34.2

1 397 93

2 279 233

3 226 207

4 299 218

5 203 288

6 738 187

7 562 271

8 435 278

9 290 209

10 290 199

11 439 331

12 368 171

Average 377 224

Std. Dev 152.6 62.7

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

12 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet # 9 14

Specimen
Number

Specimen
Number

1 393 268

2 114 198

3 181 320

4 155 268

5 123 343

6 131 255

7 193 184

8 163 193

9 159 182

10 283 244

11 334 203

12 221 245

Average 204 242

Std. Dev. 88.4 52.8

1 612 240

2 393 335

3 334 286

4 376 178

5 366 240

6 339 154

7 532 216

8 272 228

9 126 262

10 269 251

11 226 238

12 345 171

Average 349 233

Std. Dev 129.0 50.4

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

12 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet # 9 14

Specimen
Number

Specimen
Number

1 211 336

2 282 219

3 355 272

4 175 224

5 213 225

6 144 255

7 385 247

8 301 223

9 312 217

10 306 328

11 310 243

12 459 324

Average 288 259

Std. Dev. 90.3 45.3

1 262 193

2 248 459

3 291 97

4 259 173

5 187 245

6 146 323

7 191 159

8 326 335

9 382 371

10 327 258

11 225 195

12 335 304

Average 265 259

Std. Dev 70.4 103.0

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

12 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>9</u>	<u>14</u>		<u>9</u>	<u>14</u>
Specimen Number			Specimen Number		
1	<u>364</u>	<u>508</u>	1	<u>327</u>	<u>1223</u>
2	<u>448</u>	<u>284</u>	2	<u>1085</u>	<u>449</u>
3	<u>403</u>	<u>266</u>	3	<u>564</u>	<u>1033</u>
4	<u>456</u>	<u>452</u>	4	<u>804</u>	<u>751</u>
5	<u>371</u>	<u>202</u>	5	<u>306</u>	<u>841</u>
6	<u>330</u>	<u>259</u>	6	<u>800</u>	<u>1593</u>
7	<u>217</u>	<u>317</u>	7	<u>590</u>	<u>615</u>
8	<u>437</u>	<u>443</u>	8	<u>1252</u>	<u>1197</u>
9	<u>539</u>	<u>341</u>	9	<u>843</u>	<u>844</u>
10	<u>450</u>	<u>293</u>	10	<u>936</u>	<u>1330</u>
11	<u>414</u>	<u>316</u>	11	<u>377</u>	<u>1185</u>
12	<u>403</u>	<u>396</u>	12	<u>770</u>	<u>916</u>
Average	<u>403</u>	<u>340</u>	Average	<u>721</u>	<u>998</u>
Std. Dev.	<u>79.4</u>	<u>91.5</u>	Std. Dev	<u>298.3</u>	<u>324.0</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

18 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>1</u>	<u>5</u>		<u>1</u>	<u>5</u>
Specimen Number			Specimen Number		
1	<u>383</u>	<u>382</u>	1	<u>773</u>	<u>810</u>
2	<u>535</u>	<u>236</u>	2	<u>858</u>	<u>725</u>
3	<u>365</u>	<u>268</u>	3	<u>387</u>	<u>717</u>
4	<u>402</u>	<u>277</u>	4	<u>568</u>	<u>1019</u>
5	<u>384</u>	<u>367</u>	5	<u>696</u>	<u>1015</u>
6	<u>391</u>	<u>446</u>	6	<u>977</u>	<u>901</u>
7	<u>382</u>	<u>296</u>	7	<u>549</u>	<u>1017</u>
8	<u>421</u>	<u>436</u>	8	<u>996</u>	<u>518</u>
9	<u>410</u>	<u>468</u>	9	<u>579</u>	<u>826</u>
10	<u>319</u>	<u>511</u>	10	<u>450</u>	<u>1021</u>
11	<u>268</u>	<u>568</u>	11	<u>612</u>	<u>1065</u>
12	<u>359</u>	<u>451</u>	12	<u>882</u>	<u>931</u>
Average	<u>385</u>	<u>392</u>	Average	<u>694</u>	<u>880</u>
Std. Dev.	<u>63.2</u>	<u>105.4</u>	Std. Dev	<u>202.4</u>	<u>165.9</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

18 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet # 1

5

1

5

Specimen
Number

Specimen
Number

1 139

319

1 79

237

2 222

215

2 194

273

3 228

231

3 154

146

4 404

146

4 191

358

5 342

296

5 235

151

6 270

283

6 147

158

7 227

217

7 264

206

8 249

296

8 205

267

9 169

247

9 268

141

10 373

289

10 134

139

11 294

311

11 331

118

12 238

191

12 193

191

Average 263

253

Average 200

199

Std. Dev. 78.9

54.1

Std. Dev 68.2

72.1

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

18 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>1</u>	<u>5</u>		<u>1</u>	<u>5</u>
Specimen Number			Specimen Number		
1	<u>324</u>	<u>423</u>	1	<u>794</u>	<u>1085</u>
2	<u>282</u>	<u>443</u>	2	<u>794</u>	<u>629</u>
3	<u>376</u>	<u>181</u>	3	<u>685</u>	<u>629</u>
4	<u>409</u>	<u>274</u>	4	<u>801</u>	<u>666</u>
5	<u>357</u>	<u>515</u>	5	<u>582</u>	<u>870</u>
6	<u>444</u>	<u>349</u>	6	<u>862</u>	<u>1239</u>
7	<u>289</u>	<u>533</u>	7	<u>553</u>	<u>1074</u>
8	<u>324</u>	<u>440</u>	8	<u>911</u>	<u>1315</u>
9	<u>444</u>	<u>322</u>	9	<u>660</u>	<u>1024</u>
10	<u>472</u>	<u>410</u>	10	<u>737</u>	<u>1352</u>
11	<u>484</u>	<u>424</u>	11	<u>834</u>	<u>700</u>
12	<u>263</u>	<u>409</u>	12	<u>483</u>	<u>391</u>
Average	<u>372</u>	<u>394</u>	Average	<u>725</u>	<u>915</u>
Std. Dev.	<u>77.5</u>	<u>98.9</u>	Std. Dev	<u>133.2</u>	<u>311.9</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

18 days

BOOK PART LETTER G

BOOK PART LETTER H

Sheet # 1 5

1 5

Specimen
Number

Specimen
Number

1	<u>177</u>	<u>202</u>
2	<u>240</u>	<u>184</u>
3	<u>131</u>	<u>226</u>
4	<u>118</u>	<u>251</u>
5	<u>157</u>	<u>289</u>
6	<u>183</u>	<u>184</u>
7	<u>257</u>	<u>214</u>
8	<u>121</u>	<u>233</u>
9	<u>171</u>	<u>243</u>
10	<u>169</u>	<u>338</u>
11	<u>125</u>	<u>156</u>
12	<u>145</u>	<u>186</u>

1	<u>172</u>	<u>519</u>
2	<u>114</u>	<u>241</u>
3	<u>137</u>	<u>83</u>
4	<u>85</u>	<u>222</u>
5	<u>154</u>	<u>161</u>
6	<u>57</u>	<u>93</u>
7	<u>79</u>	<u>141</u>
8	<u>136</u>	<u>250</u>
9	<u>188</u>	<u>153</u>
10	<u>100</u>	<u>398</u>
11	<u>325</u>	<u>400</u>
12	<u>139</u>	<u>212</u>

Average 166 226

Average 141 239

Std. Dev. 44.7 50.7

Std. Dev 69.9 134.7

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

18 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>1</u>	<u>5</u>		<u>1</u>	<u>5</u>
Specimen Number				Specimen Number	
1	<u>181</u>	<u>303</u>		1	<u>573</u>
2	<u>186</u>	<u>339</u>		2	<u>676</u>
3	<u>292</u>	<u>256</u>		3	<u>665</u>
4	<u>316</u>	<u>499</u>		4	<u>648</u>
5	<u>170</u>	<u>371</u>		5	<u>553</u>
6	<u>323</u>	<u>348</u>		6	<u>382</u>
7	<u>221</u>	<u>362</u>		7	<u>535</u>
8	<u>353</u>	<u>311</u>		8	<u>422</u>
9	<u>664</u>	<u>378</u>		9	<u>715</u>
10	<u>334</u>	<u>349</u>		10	<u>256</u>
11	<u>327</u>	<u>255</u>		11	<u>375</u>
12	<u>615</u>	<u>370</u>		12	<u>221</u>
Average	<u>332</u>	<u>345</u>		Average	<u>502</u>
Std. Dev.	<u>158.2</u>	<u>64.2</u>		Std. Dev	<u>167.5</u>
					<u>240.5</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304020

Aging Time:

24 days

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>8</u>	<u>13</u>		<u>8</u>	<u>13</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>299</u>	<u>176</u>	1	<u>154</u>	<u>194</u>
2	<u>132</u>	<u>166</u>	2	<u>130</u>	<u>108</u>
3	<u>135</u>	<u>187</u>	3	<u>166</u>	<u>251</u>
4	<u>161</u>	<u>192</u>	4	<u>162</u>	<u>143</u>
5	<u>182</u>	<u>73</u>	5	<u>206</u>	<u>118</u>
6	<u>172</u>	<u>117</u>	6	<u>130</u>	<u>189</u>
7	<u>348</u>	<u>141</u>	7	<u>253</u>	<u>135</u>
8	<u>342</u>	<u>172</u>	8	<u>152</u>	<u>238</u>
9	<u>185</u>	<u>150</u>	9	<u>214</u>	<u>136</u>
10	<u>123</u>	<u>181</u>	10	<u>86</u>	<u>208</u>
11	<u>156</u>	<u>210</u>	11	<u>160</u>	<u>264</u>
12	<u>209</u>	<u>181</u>	12	<u>167</u>	<u>233</u>
Average	<u>204</u>	<u>162</u>	Average	<u>165</u>	<u>185</u>
Std. Dev.	<u>80.5</u>	<u>37.4</u>	Std. Dev	<u>43.5</u>	<u>55.1</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

24 days

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>8</u>	<u>13</u>		<u>8</u>	<u>13</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>278</u>	<u>325</u>	1	<u>259</u>	<u>110</u>
2	<u>327</u>	<u>292</u>	2	<u>184</u>	<u>235</u>
3	<u>245</u>	<u>121</u>	3	<u>169</u>	<u>271</u>
4	<u>223</u>	<u>237</u>	4	<u>262</u>	<u>236</u>
5	<u>289</u>	<u>281</u>	5	<u>199</u>	<u>265</u>
6	<u>294</u>	<u>333</u>	6	<u>238</u>	<u>97</u>
7	<u>298</u>	<u>171</u>	7	<u>237</u>	<u>219</u>
8	<u>255</u>	<u>159</u>	8	<u>184</u>	<u>194</u>
9	<u>221</u>	<u>154</u>	9	<u>105</u>	<u>206</u>
10	<u>273</u>	<u>158</u>	10	<u>304</u>	<u>183</u>
11	<u>287</u>	<u>119</u>	11	<u>178</u>	<u>164</u>
12	<u>278</u>	<u>196</u>	12	<u>224</u>	<u>274</u>
Average	<u>272</u>	<u>212</u>	Average	<u>212</u>	<u>205</u>
Std. Dev.	<u>31.3</u>	<u>78.1</u>	Std. Dev	<u>52.9</u>	<u>58.6</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304008

Aging Time:

24 days

BOOK PART LETTER K

BOOK PART LETTER M

Sheet # 8 13

Specimen
Number

Specimen
Number

1 386 542

1 868 683

2 303 555

2 637 853

3 317 355

3 1138 785

4 381 263

4 613 724

5 343 401

5 991 434

6 100 223

6 1040 978

7 431 247

7 779 663

8 397 306

8 914 710

9 463 358

9 966 654

10 332 307

10 889 546

11 359 318

11 770 1153

12 447 313

12 689 889

Average 355 349

Average 858 756

Std. Dev. 94.9 105.3

Std. Dev 164.2 193.1

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

24 days

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>8</u>	<u>13</u>		<u>8</u>	<u>13</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>245</u>	<u>195</u>	1	<u>171</u>	<u>255</u>
2	<u>169</u>	<u>184</u>	2	<u>134</u>	<u>118</u>
3	<u>213</u>	<u>261</u>	3	<u>70</u>	<u>139</u>
4	<u>140</u>	<u>168</u>	4	<u>80</u>	<u>95</u>
5	<u>325</u>	<u>293</u>	5	<u>178</u>	<u>209</u>
6	<u>263</u>	<u>215</u>	6	<u>202</u>	<u>178</u>
7	<u>329</u>	<u>164</u>	7	<u>168</u>	<u>99</u>
8	<u>233</u>	<u>166</u>	8	<u>148</u>	<u>193</u>
9	<u>327</u>	<u>312</u>	9	<u>219</u>	<u>98</u>
10	<u>172</u>	<u>211</u>	10	<u>224</u>	<u>205</u>
11	<u>208</u>	<u>78</u>	11	<u>274</u>	<u>162</u>
12	<u>225</u>	<u>195</u>	12	<u>157</u>	<u>267</u>
Average	<u>237</u>	<u>204</u>	Average	<u>169</u>	<u>168</u>
Std. Dev.	<u>63.9</u>	<u>63.1</u>	Std. Dev	<u>58.2</u>	<u>59.9</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

24 days

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>8</u>	<u>13</u>		<u>8</u>	<u>13</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>263</u>	<u>389</u>	1	<u>593</u>	<u>539</u>
2	<u>407</u>	<u>368</u>	2	<u>993</u>	<u>442</u>
3	<u>360</u>	<u>224</u>	3	<u>486</u>	<u>520</u>
4	<u>404</u>	<u>434</u>	4	<u>876</u>	<u>318</u>
5	<u>345</u>	<u>259</u>	5	<u>1111</u>	<u>772</u>
6	<u>375</u>	<u>325</u>	6	<u>390</u>	<u>360</u>
7	<u>470</u>	<u>292</u>	7	<u>367</u>	<u>711</u>
8	<u>455</u>	<u>423</u>	8	<u>595</u>	<u>417</u>
9	<u>359</u>	<u>547</u>	9	<u>382</u>	<u>260</u>
10	<u>101</u>	<u>367</u>	10	<u>532</u>	<u>424</u>
11	<u>423</u>	<u>281</u>	11	<u>374</u>	<u>879</u>
12	<u>454</u>	<u>411</u>	12	<u>573</u>	<u>478</u>
Average	<u>368</u>	<u>360</u>	Average	<u>606</u>	<u>510</u>
Std. Dev.	<u>101.9</u>	<u>89.8</u>	Std. Dev	<u>253.5</u>	<u>188.2</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

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30 days

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>477</u>	<u>260</u>	1	<u>1146</u>	<u>347</u>
2	<u>269</u>	<u>348</u>	2	<u>414</u>	<u>576</u>
3	<u>212</u>	<u>387</u>	3	<u>958</u>	<u>519</u>
4	<u>593</u>	<u>213</u>	4	<u>899</u>	<u>767</u>
5	<u>298</u>	<u>295</u>	5	<u>905</u>	<u>331</u>
6	<u>325</u>	<u>304</u>	6	<u>1046</u>	<u>1112</u>
7	<u>384</u>	<u>388</u>	7	<u>1195</u>	<u>689</u>
8	<u>370</u>	<u>281</u>	8	<u>342</u>	<u>577</u>
9	<u>259</u>	<u>398</u>	9	<u>621</u>	<u>563</u>
10	<u>181</u>	<u>442</u>	10	<u>1069</u>	<u>582</u>
11	<u>257</u>	<u>400</u>	11	<u>903</u>	<u>388</u>
12	<u>380</u>	<u>363</u>	12	<u>454</u>	<u>707</u>
Average	<u>334</u>	<u>340</u>	Average	<u>829</u>	<u>597</u>
Std. Dev.	<u>116.3</u>	<u>68.6</u>	Std. Dev	<u>296.2</u>	<u>213.2</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

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Aging Time:

30 days

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Specimen Number</u>			<u>Specimen Number</u>		
1	<u>282</u>	<u>393</u>	1	<u>1094</u>	<u>620</u>
2	<u>404</u>	<u>356</u>	2	<u>901</u>	<u>466</u>
3	<u>265</u>	<u>268</u>	3	<u>709</u>	<u>693</u>
4	<u>349</u>	<u>429</u>	4	<u>1095</u>	<u>373</u>
5	<u>428</u>	<u>343</u>	5	<u>869</u>	<u>963</u>
6	<u>304</u>	<u>398</u>	6	<u>1516</u>	<u>901</u>
7	<u>323</u>	<u>352</u>	7	<u>750</u>	<u>1102</u>
8	<u>300</u>	<u>368</u>	8	<u>1173</u>	<u>679</u>
9	<u>514</u>	<u>343</u>	9	<u>856</u>	<u>616</u>
10	<u>271</u>	<u>273</u>	10	<u>1393</u>	<u>408</u>
11	<u>544</u>	<u>744</u>	11	<u>851</u>	<u>280</u>
12	<u>356</u>	<u>351</u>	12	<u>1423</u>	<u>309</u>
Average	<u>362</u>	<u>385</u>	Average	<u>1053</u>	<u>618</u>
Std. Dev.	<u>93.1</u>	<u>122.2</u>	Std. Dev	<u>274.9</u>	<u>266.2</u>

WEI T'o ASSOCIATES, INC.

MIT FOLDING ENDURANCE DATA

CONTROL NUMBER

304009

Aging Time:

30 days

BOOK PART LETTER K

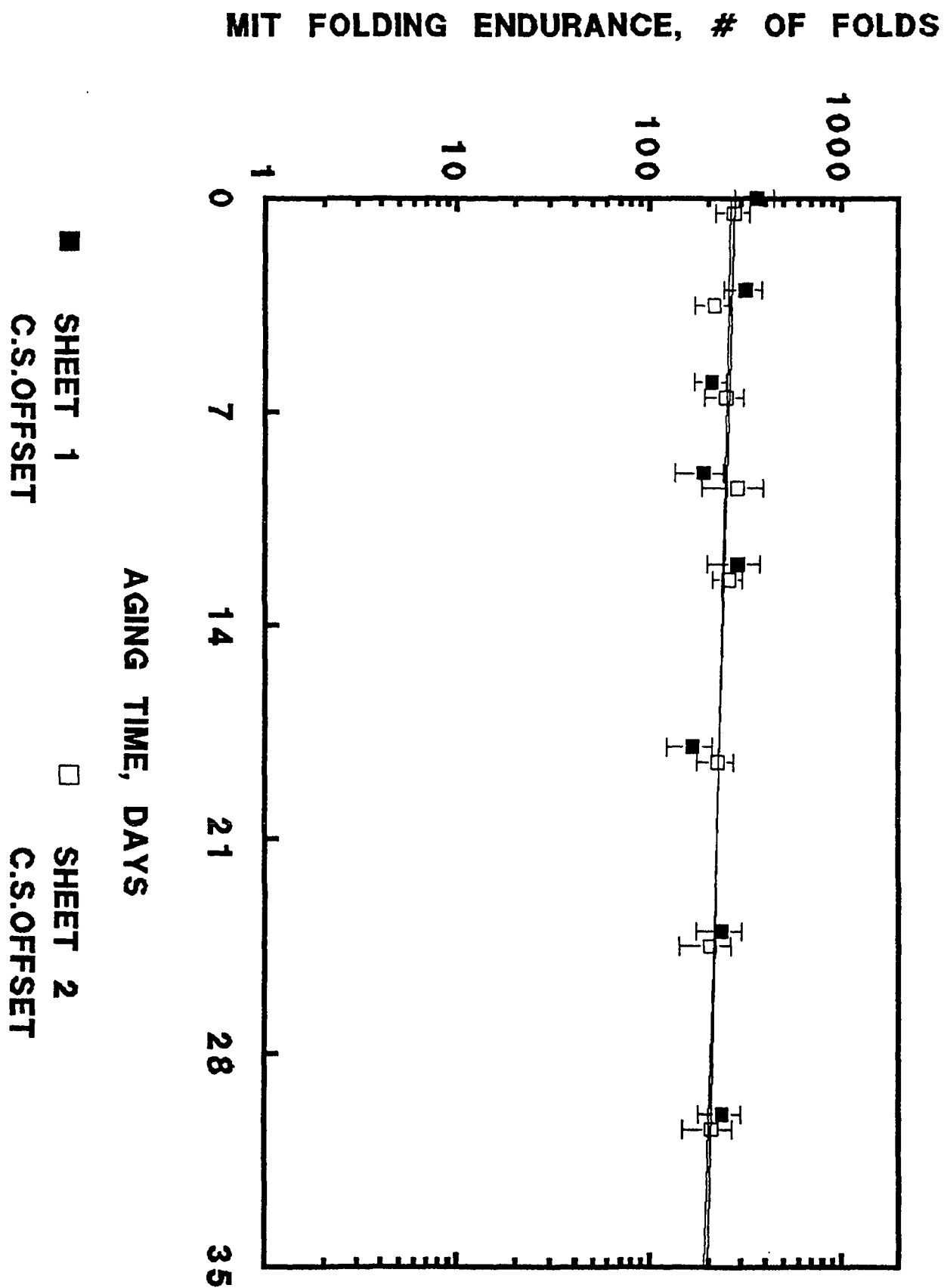
BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>
<u>Specimen Number</u>		
1	<u>356</u>	<u>459</u>
2	<u>534</u>	<u>465</u>
3	<u>285</u>	<u>603</u>
4	<u>239</u>	<u>515</u>
5	<u>195</u>	<u>374</u>
6	<u>417</u>	<u>401</u>
7	<u>539</u>	<u>363</u>
8	<u>249</u>	<u>506</u>
9	<u>377</u>	<u>410</u>
10	<u>231</u>	<u>329</u>
11	<u>497</u>	<u>658</u>
12	<u>371</u>	<u>261</u>
Average	<u>358</u>	<u>445</u>
Std. Dev.	<u>121.0</u>	<u>113.5</u>

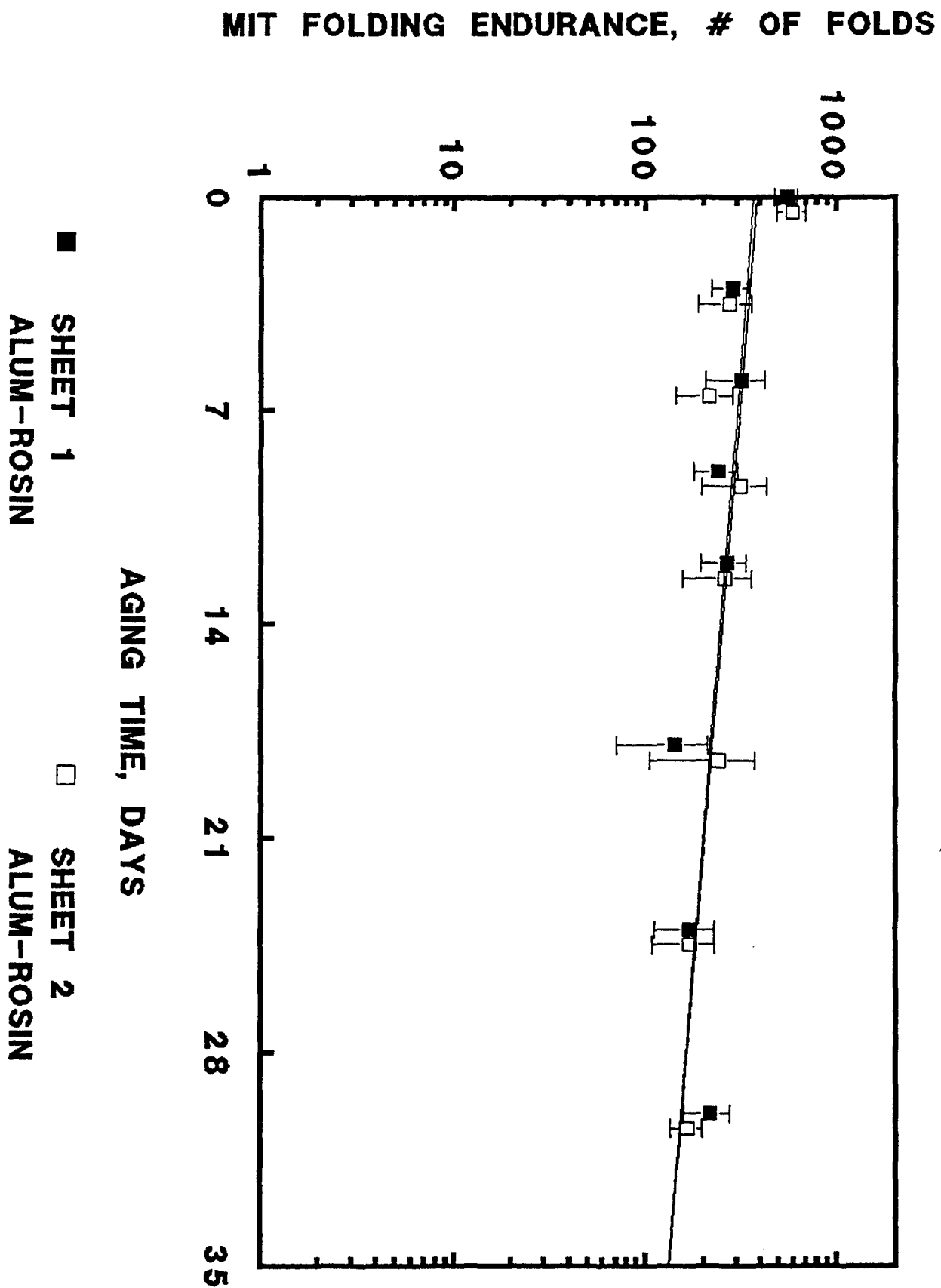
<u>2</u>	<u>12</u>
<u>Specimen Number</u>	
1	<u>558</u>
2	<u>1271</u>
3	<u>1189</u>
4	<u>1411</u>
5	<u>1324</u>
6	<u>1389</u>
7	<u>749</u>
8	<u>1376</u>
9	<u>891</u>
10	<u>1192</u>
11	<u>920</u>
12	<u>946</u>
Average	<u>1101</u>
Std. Dev	<u>281.1</u>

990
632
783
440
506
674
865
616
949
650
929
931

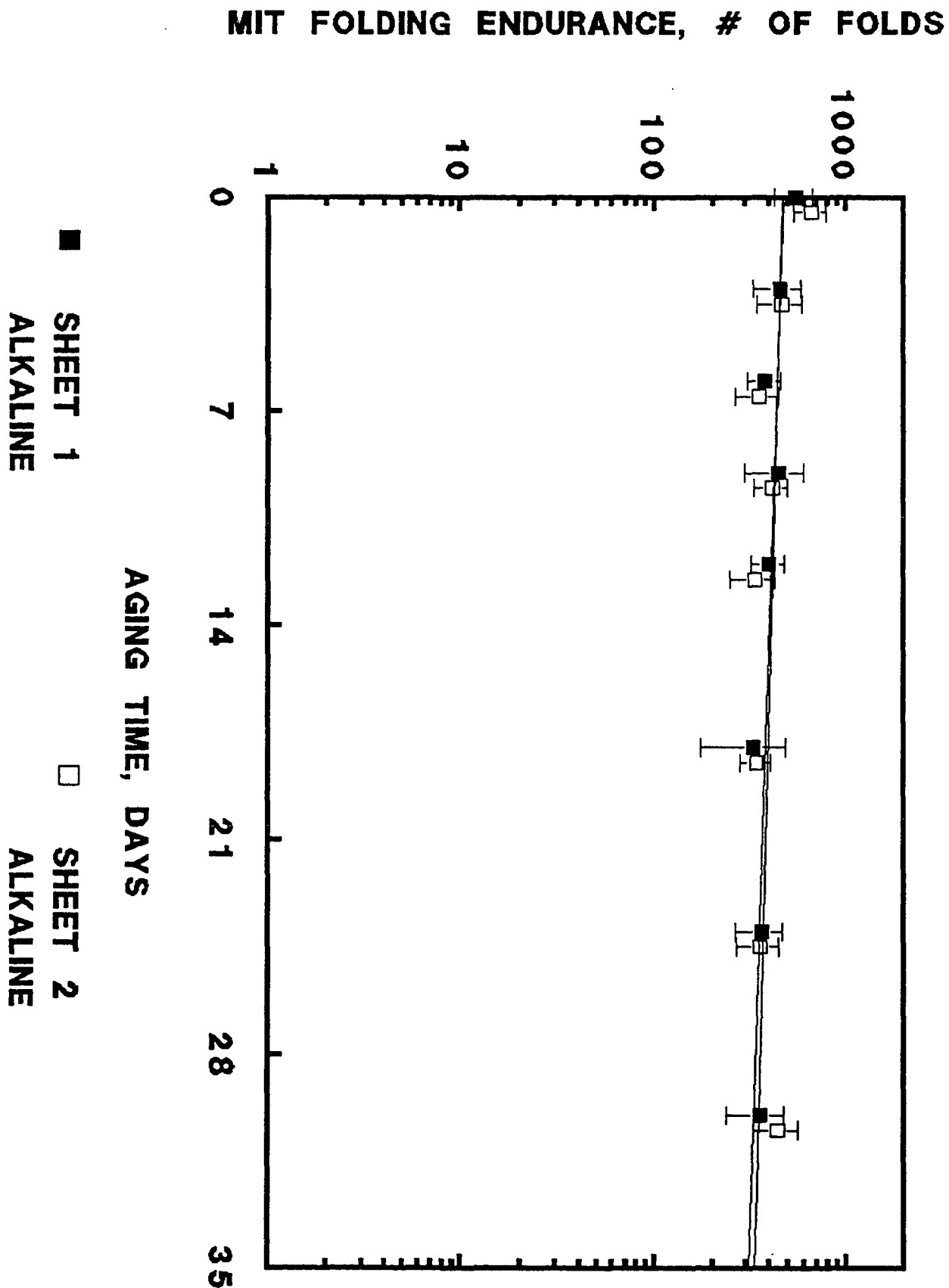
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304009



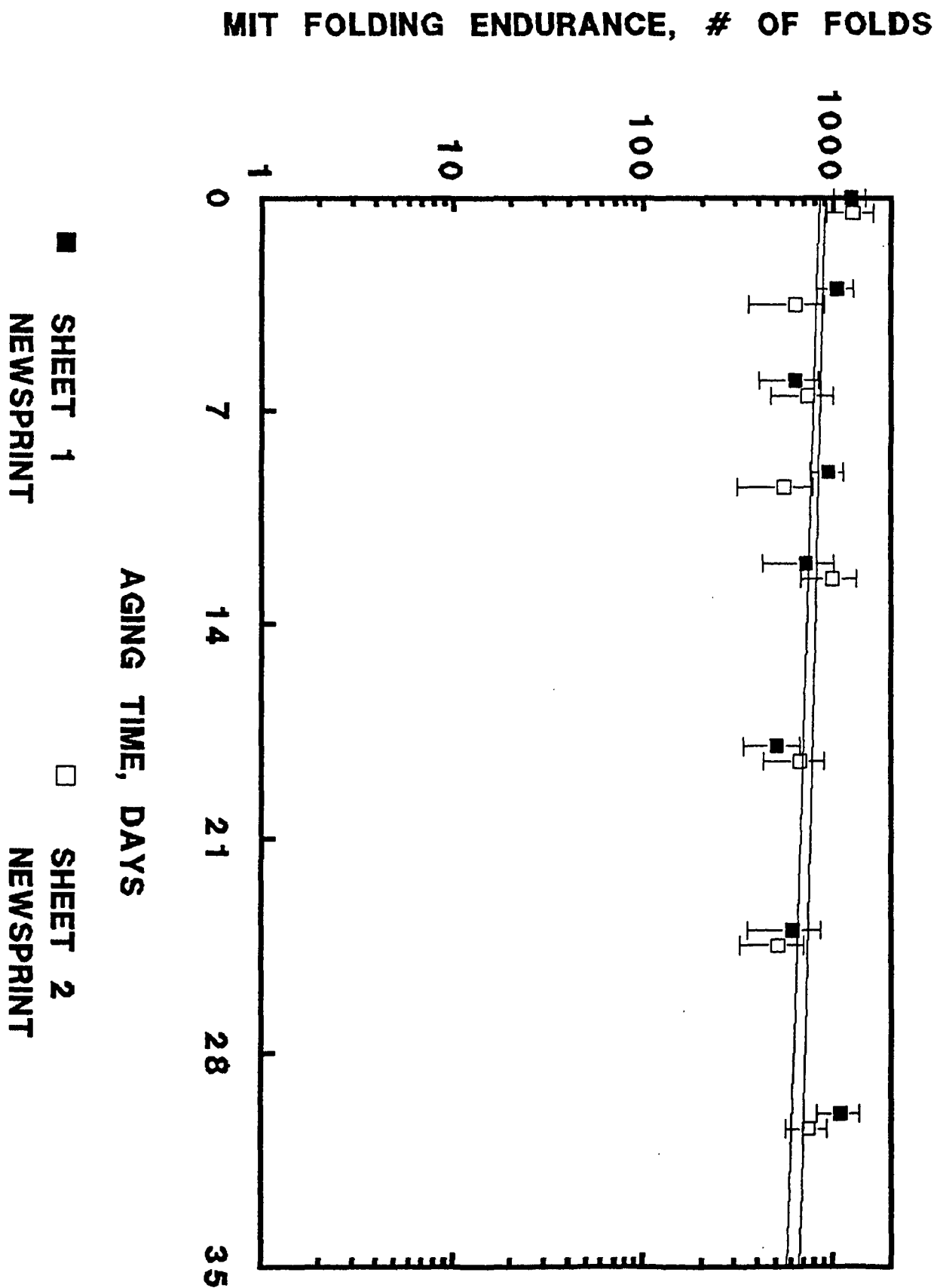
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304009



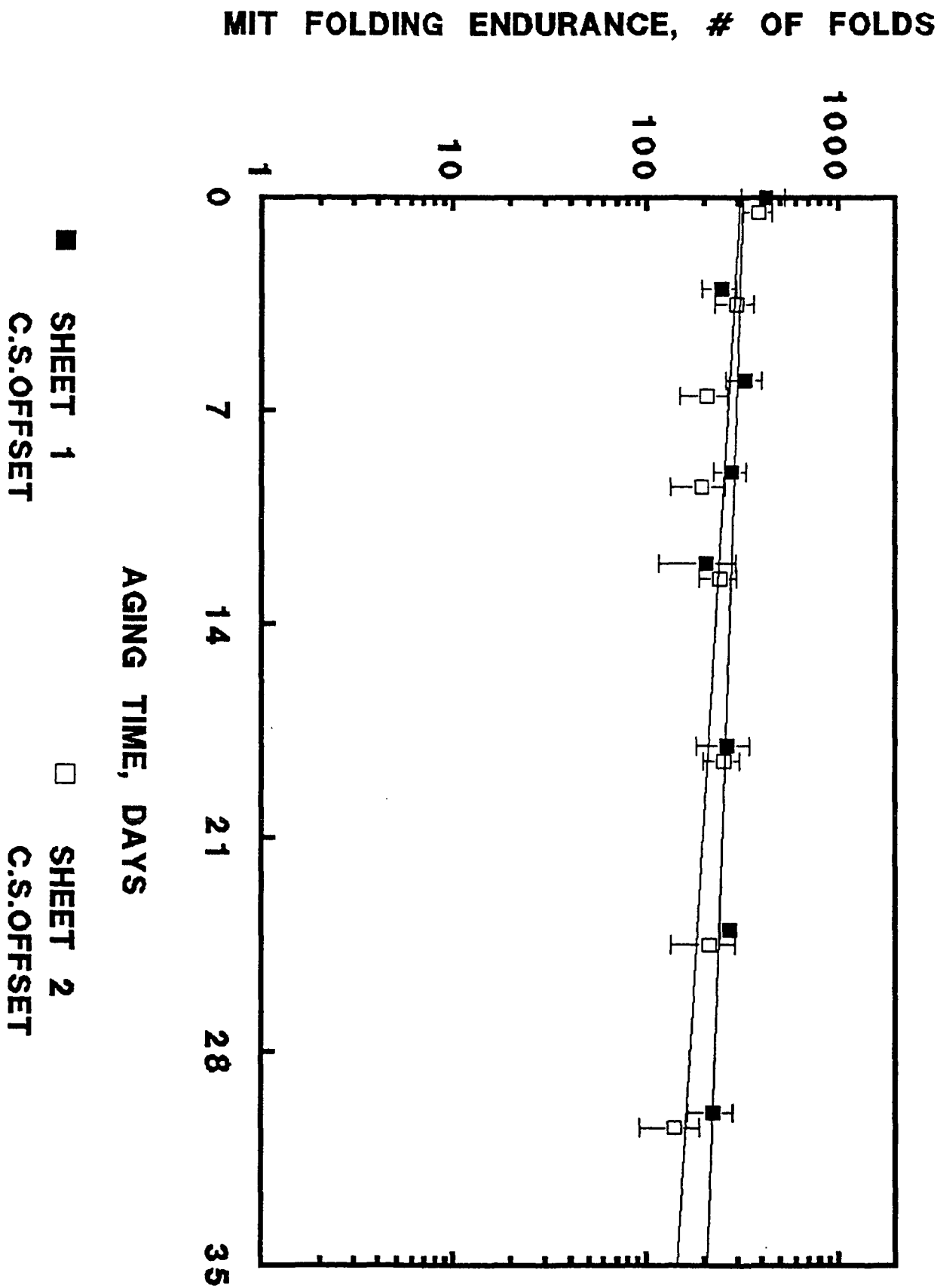
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304009



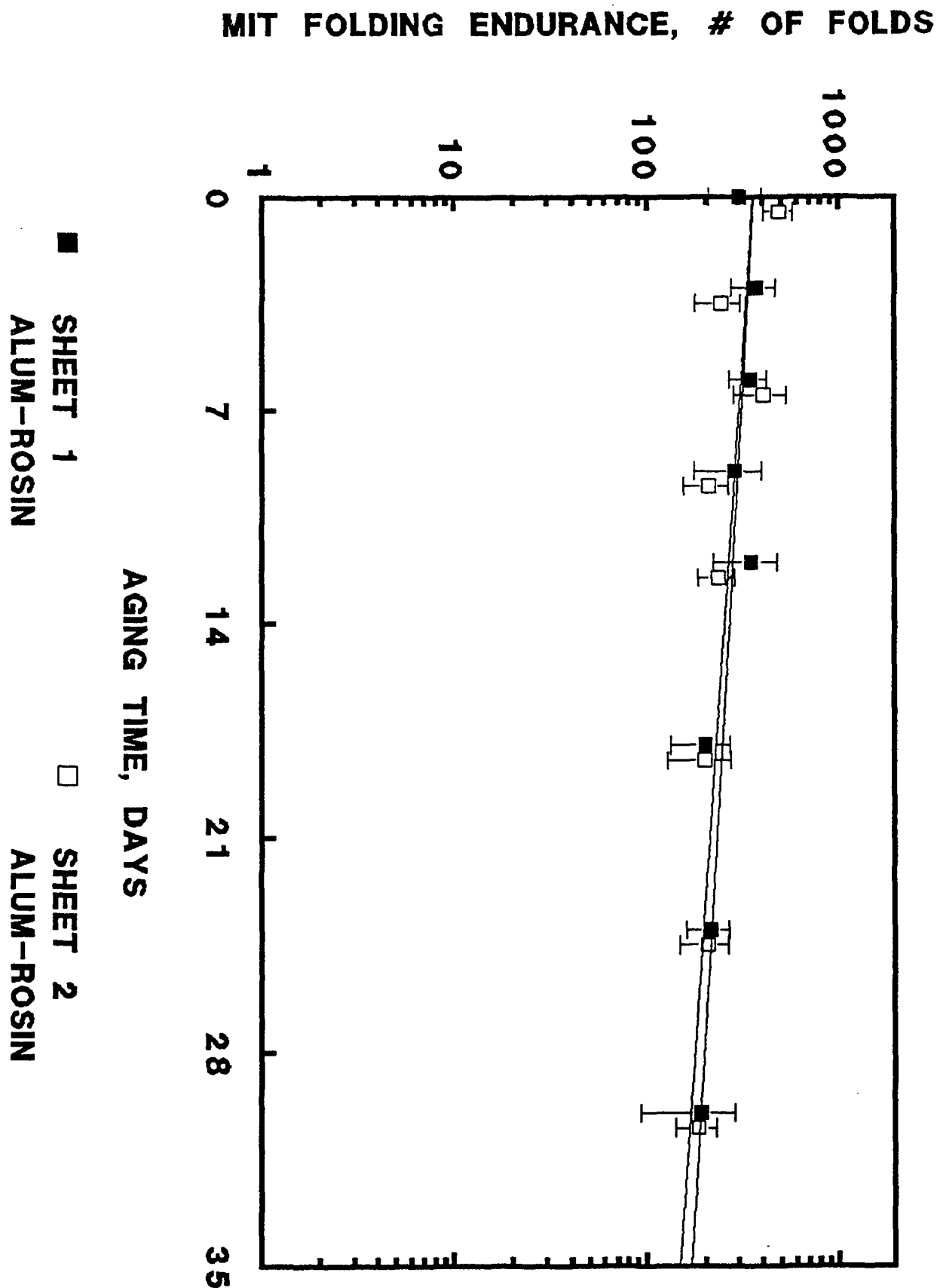
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304009



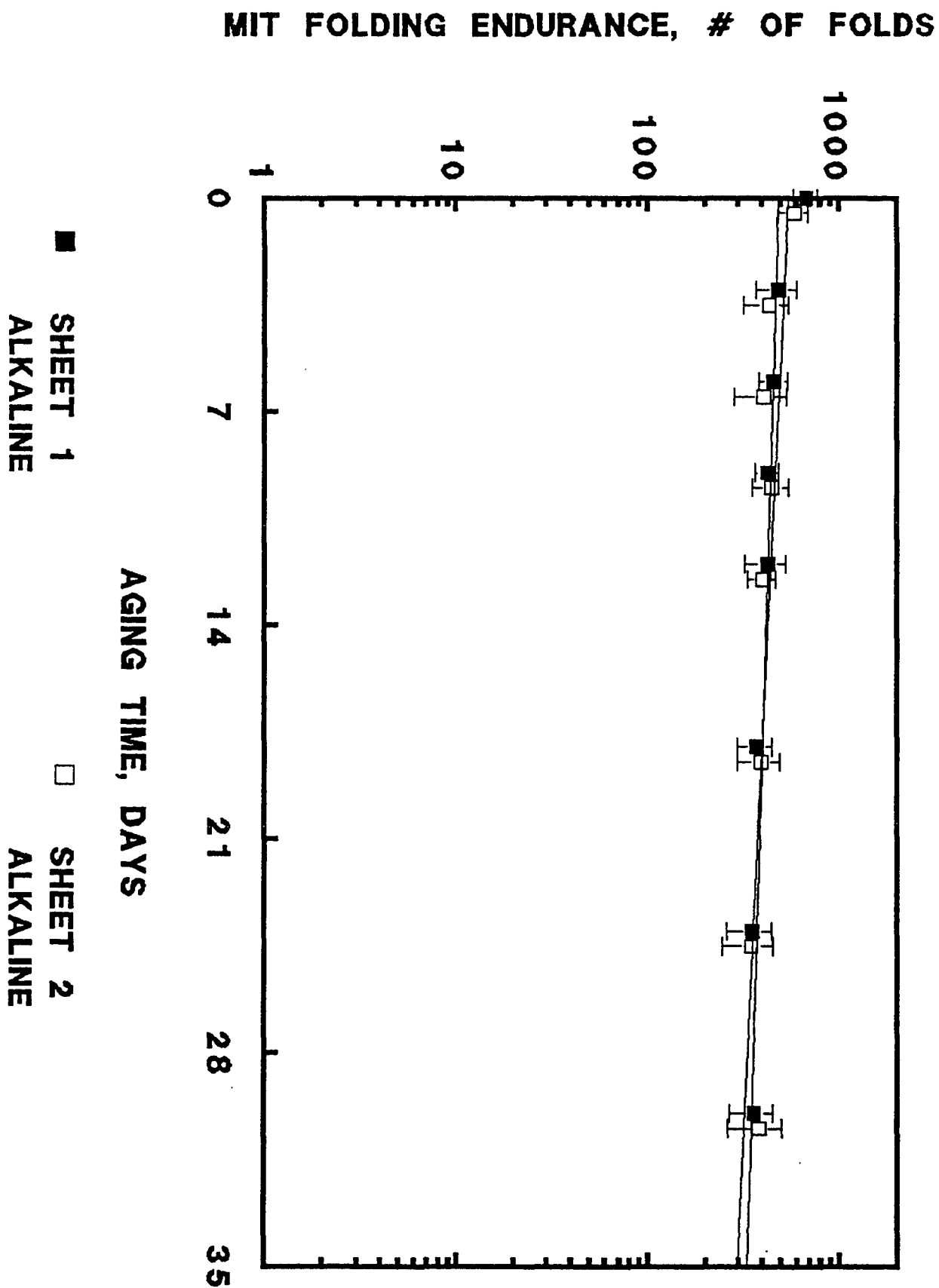
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304008



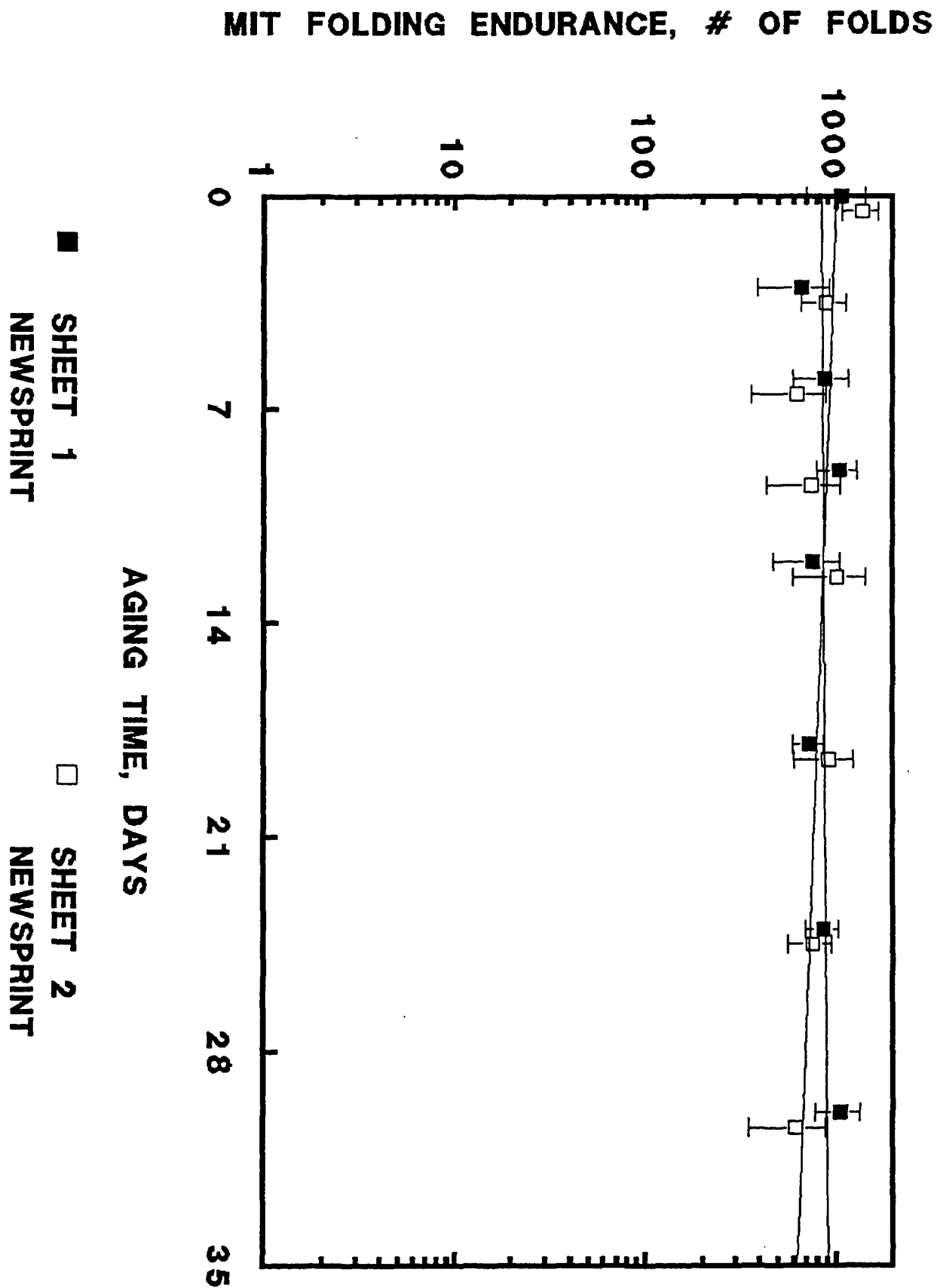
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304008



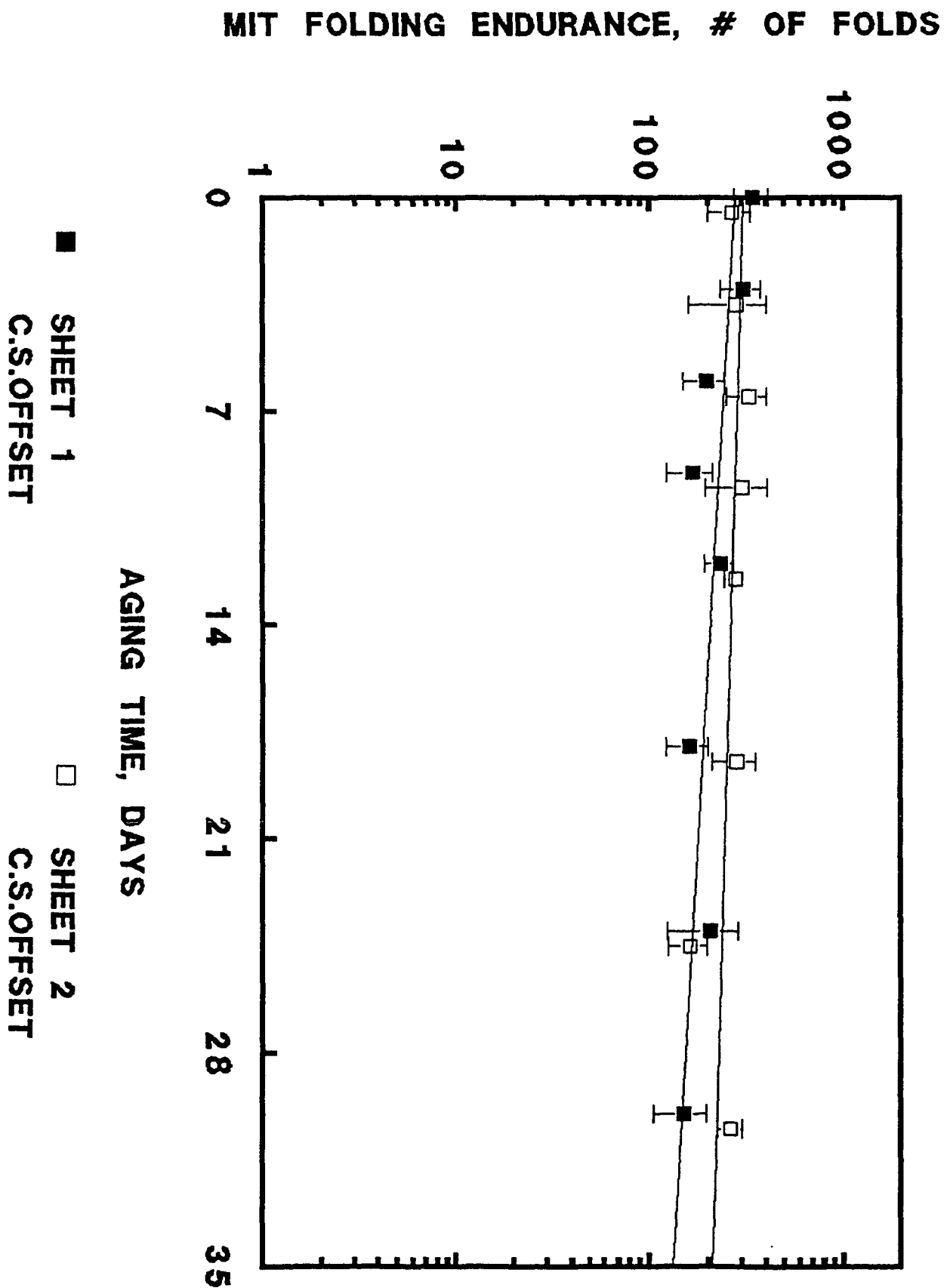
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304008



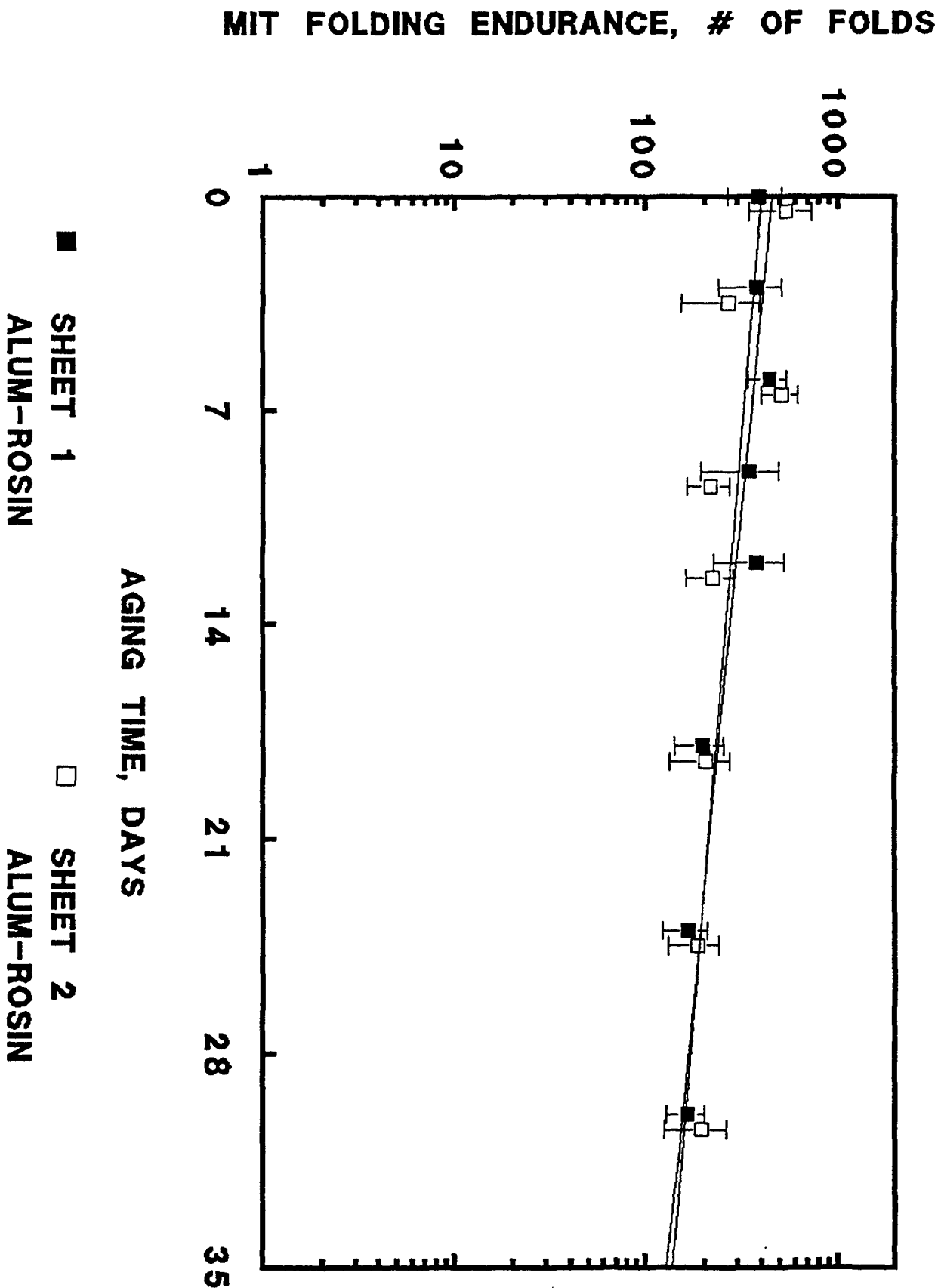
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304008



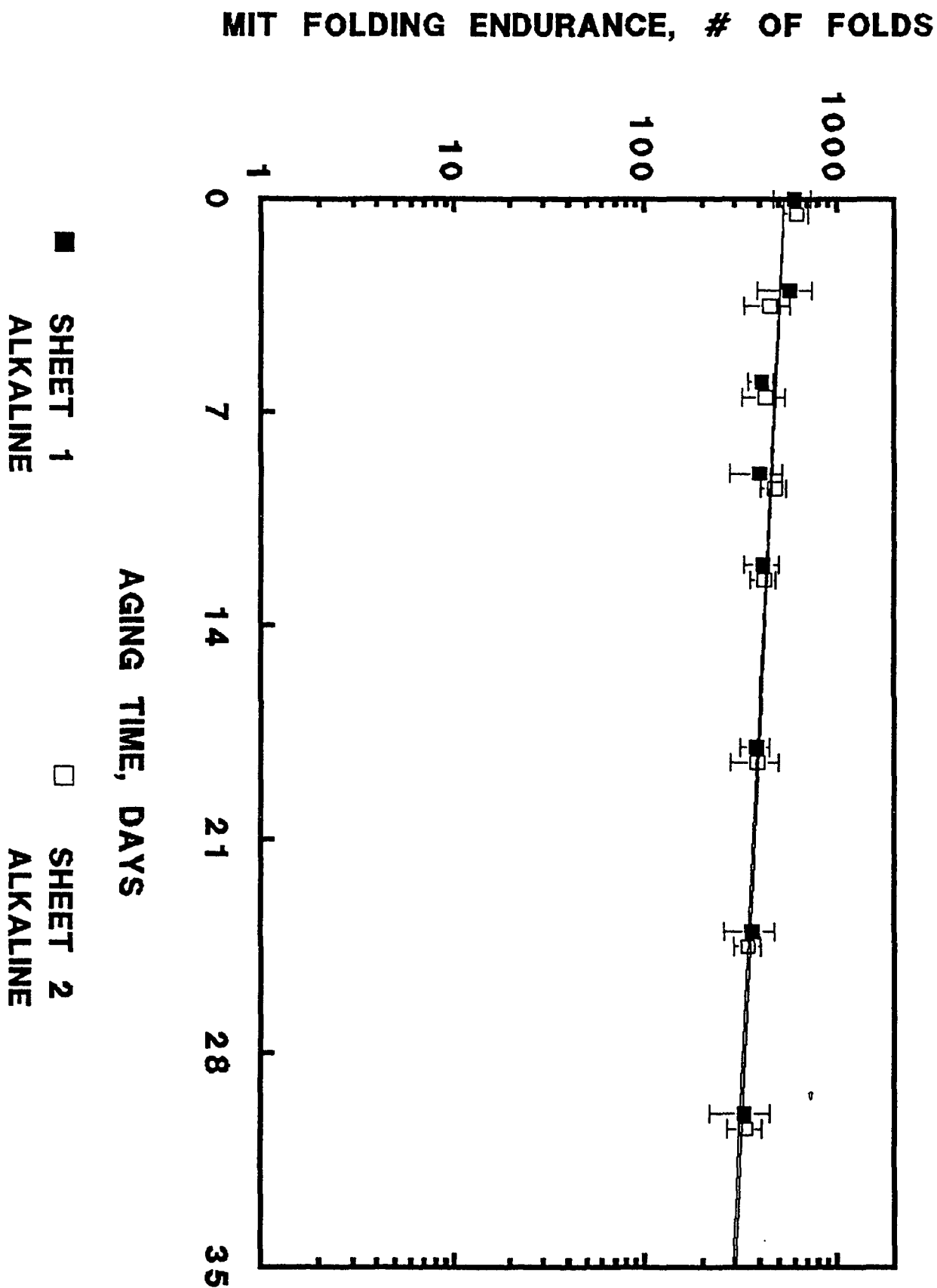
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304020



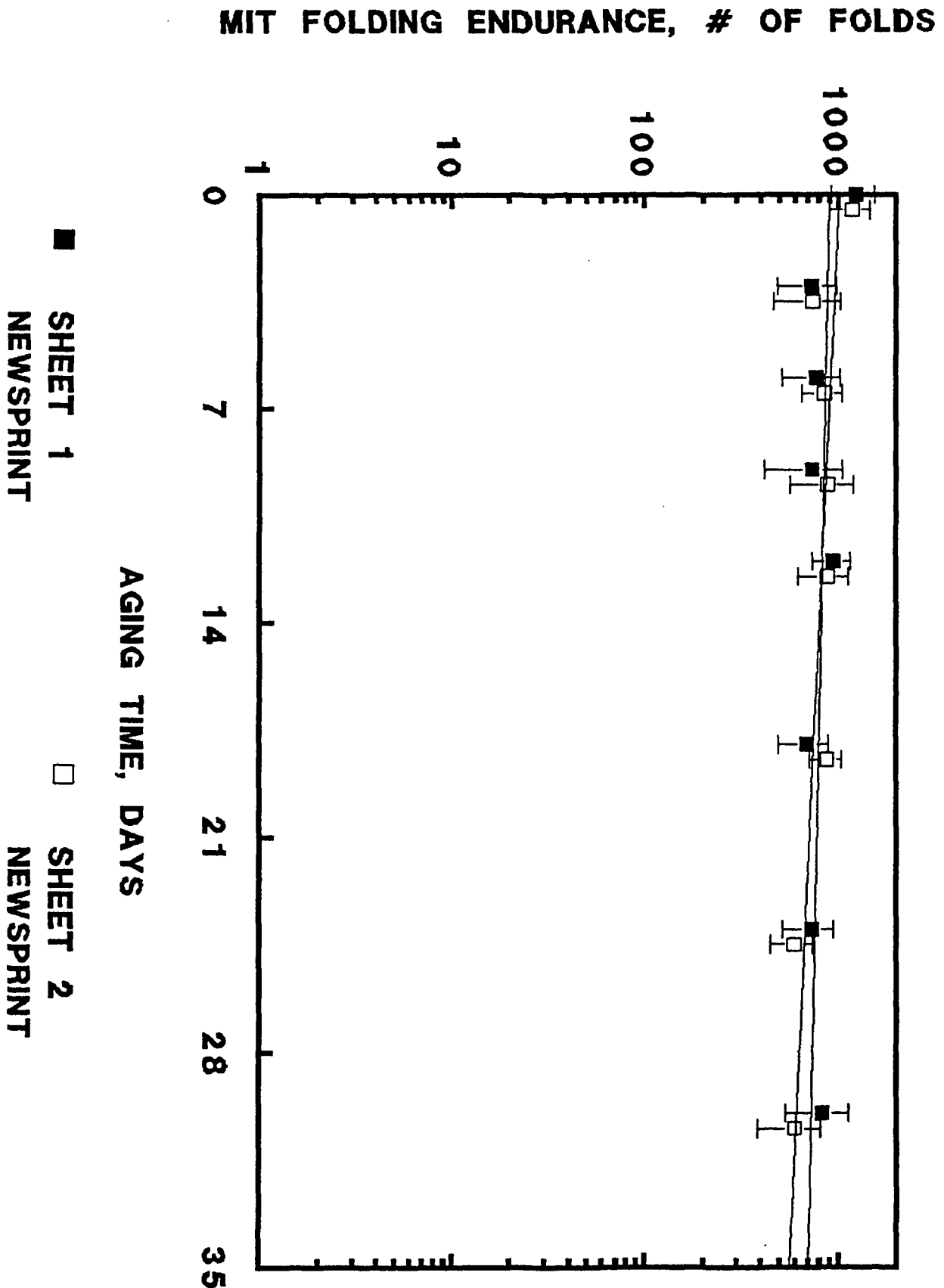
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304020



WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304020



WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304020



WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER G

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>2.79</u>	<u>2.79</u>	<u>4.71</u>	<u>3.79</u>	<u>114.24</u>	<u>90.02</u>
2	<u>2.73</u>	<u>3.03</u>	<u>4.49</u>	<u>5.21</u>	<u>101.25</u>	<u>133.64</u>
3	<u>2.75</u>	<u>2.96</u>	<u>4.80</u>	<u>5.13</u>	<u>111.76</u>	<u>127.22</u>
4	<u>2.73</u>	<u>2.91</u>	<u>4.91</u>	<u>4.42</u>	<u>111.32</u>	<u>107.53</u>
5	<u>2.70</u>	<u>2.92</u>	<u>4.28</u>	<u>4.69</u>	<u>94.98</u>	<u>113.51</u>
6	<u>2.81</u>	<u>2.92</u>	<u>4.88</u>	<u>4.60</u>	<u>116.57</u>	<u>110.59</u>
7	<u>2.65</u>	<u>2.95</u>	<u>3.73</u>	<u>4.79</u>	<u>84.04</u>	<u>119.05</u>
8	<u>2.79</u>	<u>3.08</u>	<u>4.72</u>	<u>5.11</u>	<u>109.57</u>	<u>132.62</u>
9	<u>2.75</u>	<u>3.01</u>	<u>4.19</u>	<u>4.50</u>	<u>96.44</u>	<u>114.68</u>
10	<u>2.73</u>	<u>2.92</u>	<u>4.54</u>	<u>4.02</u>	<u>103.15</u>	<u>99.94</u>
Average	<u>2.74</u>	<u>2.95</u>	<u>4.53</u>	<u>4.63</u>	<u>104.33</u>	<u>114.88</u>
Std. Dev.	<u>0.046</u>	<u>0.079</u>	<u>0.369</u>	<u>0.470</u>	<u>10.284</u>	<u>13.953</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER G

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>3.17</u>	<u>2.76</u>	<u>4.57</u>	<u>4.86</u>	<u>122.70</u>	<u>110.74</u>
2	<u>3.03</u>	<u>2.75</u>	<u>4.76</u>	<u>4.25</u>	<u>119.93</u>	<u>97.61</u>
3	<u>2.96</u>	<u>2.98</u>	<u>4.70</u>	<u>4.87</u>	<u>113.07</u>	<u>127.08</u>
4	<u>2.96</u>	<u>2.86</u>	<u>4.23</u>	<u>4.07</u>	<u>101.98</u>	<u>102.42</u>
5	<u>3.23</u>	<u>2.83</u>	<u>4.68</u>	<u>4.45</u>	<u>128.68</u>	<u>108.70</u>
6	<u>3.13</u>	<u>2.77</u>	<u>4.51</u>	<u>4.51</u>	<u>117.89</u>	<u>103.59</u>
7	<u>3.23</u>	<u>2.73</u>	<u>5.13</u>	<u>4.16</u>	<u>140.94</u>	<u>95.71</u>
8	<u>3.23</u>	<u>2.70</u>	<u>4.99</u>	<u>3.90</u>	<u>134.67</u>	<u>87.98</u>
9	<u>3.42</u>	<u>2.77</u>	<u>4.40</u>	<u>4.65</u>	<u>127.81</u>	<u>106.51</u>
10	<u>3.54</u>	<u>2.77</u>	<u>4.39</u>	<u>4.59</u>	<u>175.37</u>	<u>105.92</u>
Average	<u>3.19</u>	<u>2.79</u>	<u>4.64</u>	<u>4.43</u>	<u>128.30</u>	<u>104.62</u>
Std. Dev.	<u>0.186</u>	<u>0.080</u>	<u>0.277</u>	<u>0.329</u>	<u>19.862</u>	<u>10.409</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER G

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
<u>Specimen Number</u>						
1	<u>2.53</u>	<u>2.67</u>	<u>4.40</u>	<u>3.20</u>	<u>92.35</u>	<u>71.33</u>
2	<u>2.71</u>	<u>2.71</u>	<u>4.92</u>	<u>3.71</u>	<u>110.43</u>	<u>81.41</u>
3	<u>2.65</u>	<u>2.83</u>	<u>4.74</u>	<u>4.06</u>	<u>103.41</u>	<u>95.19</u>
4	<u>2.57</u>	<u>2.94</u>	<u>4.68</u>	<u>4.66</u>	<u>102.68</u>	<u>112.49</u>
5	<u>2.59</u>	<u>2.88</u>	<u>4.47</u>	<u>4.20</u>	<u>95.84</u>	<u>99.18</u>
6	<u>2.62</u>	<u>2.88</u>	<u>4.76</u>	<u>4.07</u>	<u>106.86</u>	<u>95.24</u>
7	<u>2.67</u>	<u>3.01</u>	<u>4.78</u>	<u>4.74</u>	<u>106.70</u>	<u>117.58</u>
8	<u>2.65</u>	<u>2.90</u>	<u>4.82</u>	<u>4.42</u>	<u>108.97</u>	<u>106.68</u>
9	<u>2.68</u>	<u>2.83</u>	<u>4.95</u>	<u>4.00</u>	<u>109.89</u>	<u>92.05</u>
10	<u>2.80</u>	<u>2.92</u>	<u>4.71</u>	<u>4.79</u>	<u>109.95</u>	<u>114.25</u>
Average	<u>2.65</u>	<u>2.86</u>	<u>4.72</u>	<u>4.19</u>	<u>104.71</u>	<u>98.54</u>
Std. Dev.	<u>0.076</u>	<u>0.103</u>	<u>0.174</u>	<u>0.496</u>	<u>6.244</u>	<u>14.790</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER H

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>2.27</u>	<u>2.18</u>	<u>2.67</u>	<u>3.01</u>	<u>46.10</u>	<u>50.19</u>
2	<u>2.28</u>	<u>2.27</u>	<u>3.05</u>	<u>3.45</u>	<u>52.82</u>	<u>60.40</u>
3	<u>2.23</u>	<u>2.13</u>	<u>3.05</u>	<u>3.25</u>	<u>51.65</u>	<u>53.11</u>
4	<u>2.27</u>	<u>2.15</u>	<u>3.30</u>	<u>2.99</u>	<u>57.34</u>	<u>48.73</u>
5	<u>2.22</u>	<u>2.17</u>	<u>3.05</u>	<u>3.17</u>	<u>51.65</u>	<u>52.52</u>
6	<u>2.24</u>	<u>2.16</u>	<u>3.17</u>	<u>2.95</u>	<u>54.13</u>	<u>48.44</u>
7	<u>2.20</u>	<u>2.25</u>	<u>2.87</u>	<u>3.28</u>	<u>48.58</u>	<u>57.19</u>
8	<u>2.26</u>	<u>2.12</u>	<u>3.12</u>	<u>3.04</u>	<u>54.27</u>	<u>49.31</u>
9	<u>2.12</u>	<u>1.99</u>	<u>2.45</u>	<u>2.60</u>	<u>40.12</u>	<u>39.68</u>
10	<u>2.05</u>	<u>2.07</u>	<u>2.39</u>	<u>2.92</u>	<u>37.12</u>	<u>45.08</u>
Average	<u>2.21</u>	<u>2.15</u>	<u>2.91</u>	<u>3.07</u>	<u>49.38</u>	<u>50.47</u>
Std. Dev.	<u>0.074</u>	<u>0.080</u>	<u>0.310</u>	<u>0.236</u>	<u>6.493</u>	<u>5.859</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER H

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>2.02</u>	<u>2.07</u>	<u>3.33</u>	<u>3.05</u>	<u>53.84</u>	<u>50.19</u>
2	<u>2.03</u>	<u>2.16</u>	<u>3.42</u>	<u>3.44</u>	<u>55.59</u>	<u>60.11</u>
3	<u>2.02</u>	<u>2.15</u>	<u>3.20</u>	<u>3.43</u>	<u>50.92</u>	<u>58.80</u>
4	<u>2.04</u>	<u>2.20</u>	<u>3.17</u>	<u>3.29</u>	<u>51.79</u>	<u>57.19</u>
5	<u>2.07</u>	<u>2.07</u>	<u>3.41</u>	<u>2.86</u>	<u>55.59</u>	<u>46.69</u>
6	<u>2.08</u>	<u>2.32</u>	<u>3.65</u>	<u>3.48</u>	<u>60.99</u>	<u>63.76</u>
7	<u>2.03</u>	<u>2.24</u>	<u>3.09</u>	<u>3.49</u>	<u>50.63</u>	<u>61.57</u>
8	<u>2.19</u>	<u>2.08</u>	<u>3.68</u>	<u>2.69</u>	<u>63.32</u>	<u>43.33</u>
9	<u>2.17</u>	<u>2.16</u>	<u>3.33</u>	<u>3.16</u>	<u>56.90</u>	<u>54.30</u>
10	<u>2.17</u>	<u>1.75</u>	<u>3.25</u>	<u>2.38</u>	<u>55.73</u>	<u>32.83</u>
Average	<u>2.08</u>	<u>2.12</u>	<u>3.35</u>	<u>3.13</u>	<u>55.53</u>	<u>52.88</u>
Std. Dev.	<u>0.068</u>	<u>0.154</u>	<u>0.195</u>	<u>0.380</u>	<u>4.143</u>	<u>9.664</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER H

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>1.98</u>	<u>2.40</u>	<u>3.30</u>	<u>3.84</u>	<u>53.56</u>	<u>84.04</u>
2	<u>1.99</u>	<u>2.21</u>	<u>3.58</u>	<u>3.20</u>	<u>56.00</u>	<u>57.92</u>
3	<u>1.92</u>	<u>2.43</u>	<u>3.14</u>	<u>4.21</u>	<u>48.42</u>	<u>84.48</u>
4	<u>1.98</u>	<u>2.42</u>	<u>3.82</u>	<u>4.41</u>	<u>59.73</u>	<u>84.91</u>
5	<u>1.89</u>	<u>2.29</u>	<u>3.29</u>	<u>3.91</u>	<u>49.72</u>	<u>73.10</u>
6	<u>2.00</u>	<u>2.33</u>	<u>3.58</u>	<u>3.57</u>	<u>58.32</u>	<u>66.82</u>
7	<u>1.99</u>	<u>1.98</u>	<u>3.64</u>	<u>2.09</u>	<u>57.53</u>	<u>32.08</u>
8	<u>1.82</u>	<u>2.16</u>	<u>2.78</u>	<u>3.01</u>	<u>40.81</u>	<u>51.94</u>
9	<u>1.95</u>	<u>2.26</u>	<u>3.57</u>	<u>2.70</u>	<u>56.64</u>	<u>52.67</u>
10	<u>1.94</u>	<u>2.23</u>	<u>3.28</u>	<u>3.60</u>	<u>50.71</u>	<u>64.93</u>
Average	<u>1.95</u>	<u>2.27</u>	<u>3.40</u>	<u>3.45</u>	<u>53.14</u>	<u>65.29</u>
Std. Dev.	<u>0.057</u>	<u>0.139</u>	<u>0.301</u>	<u>0.712</u>	<u>5.792</u>	<u>17.200</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER K

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>3.88</u>	<u>3.85</u>	<u>4.58</u>	<u>4.32</u>	<u>137.00</u>	<u>126.35</u>
2	<u>3.69</u>	<u>3.90</u>	<u>4.09</u>	<u>4.29</u>	<u>114.24</u>	<u>127.66</u>
3	<u>3.60</u>	<u>3.96</u>	<u>3.93</u>	<u>4.48</u>	<u>108.26</u>	<u>135.69</u>
4	<u>3.90</u>	<u>3.87</u>	<u>4.59</u>	<u>4.21</u>	<u>137.00</u>	<u>123.58</u>
5	<u>3.73</u>	<u>3.89</u>	<u>4.13</u>	<u>4.19</u>	<u>117.74</u>	<u>123.29</u>
6	<u>3.76</u>	<u>3.86</u>	<u>4.12</u>	<u>4.04</u>	<u>119.35</u>	<u>118.91</u>
7	<u>3.76</u>	<u>3.91</u>	<u>4.12</u>	<u>4.31</u>	<u>121.10</u>	<u>129.56</u>
8	<u>3.79</u>	<u>3.70</u>	<u>4.24</u>	<u>3.76</u>	<u>123.87</u>	<u>105.05</u>
9	<u>3.42</u>	<u>3.86</u>	<u>3.23</u>	<u>4.31</u>	<u>85.50</u>	<u>128.25</u>
10	<u>3.81</u>	<u>3.79</u>	<u>4.55</u>	<u>4.09</u>	<u>133.79</u>	<u>117.16</u>
Average	<u>3.73</u>	<u>3.86</u>	<u>4.16</u>	<u>4.20</u>	<u>119.78</u>	<u>123.55</u>
Std. Dev.	<u>0.139</u>	<u>0.074</u>	<u>0.401</u>	<u>0.200</u>	<u>15.459</u>	<u>8.400</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER K

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>3.80</u>	<u>3.74</u>	<u>4.04</u>	<u>3.97</u>	<u>119.78</u>	<u>112.34</u>
2	<u>3.78</u>	<u>3.65</u>	<u>4.30</u>	<u>3.74</u>	<u>124.31</u>	<u>103.15</u>
3	<u>3.77</u>	<u>3.90</u>	<u>4.31</u>	<u>4.49</u>	<u>124.74</u>	<u>134.67</u>
4	<u>3.80</u>	<u>4.03</u>	<u>4.30</u>	<u>4.58</u>	<u>126.35</u>	<u>140.94</u>
5	<u>3.66</u>	<u>3.94</u>	<u>3.94</u>	<u>4.40</u>	<u>110.15</u>	<u>131.31</u>
6	<u>3.65</u>	<u>3.83</u>	<u>3.88</u>	<u>4.19</u>	<u>106.51</u>	<u>122.12</u>
7	<u>3.88</u>	<u>3.87</u>	<u>4.51</u>	<u>4.24</u>	<u>134.96</u>	<u>124.89</u>
8	<u>3.94</u>	<u>3.65</u>	<u>4.33</u>	<u>3.89</u>	<u>130.00</u>	<u>108.70</u>
9	<u>3.71</u>	<u>3.77</u>	<u>3.63</u>	<u>3.92</u>	<u>101.55</u>	<u>112.34</u>
10	<u>3.82</u>	<u>3.85</u>	<u>3.94</u>	<u>4.30</u>	<u>115.41</u>	<u>125.62</u>
Average	<u>3.78</u>	<u>3.82</u>	<u>4.12</u>	<u>4.17</u>	<u>119.38</u>	<u>121.61</u>
Std. Dev.	<u>0.091</u>	<u>0.122</u>	<u>0.272</u>	<u>0.281</u>	<u>10.759</u>	<u>12.223</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER K

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>3.62</u>	<u>4.06</u>	<u>3.96</u>	<u>2.48</u>	<u>70.18</u>	<u>124.74</u>
2	<u>3.84</u>	<u>4.15</u>	<u>4.19</u>	<u>3.20</u>	<u>95.27</u>	<u>132.62</u>
3	<u>4.22</u>	<u>4.36</u>	<u>4.56</u>	<u>4.04</u>	<u>130.14</u>	<u>154.51</u>
4	<u>4.24</u>	<u>4.19</u>	<u>4.11</u>	<u>4.26</u>	<u>138.46</u>	<u>134.23</u>
5	<u>4.14</u>	<u>4.19</u>	<u>3.76</u>	<u>4.08</u>	<u>129.41</u>	<u>122.41</u>
6	<u>4.08</u>	<u>4.18</u>	<u>3.94</u>	<u>3.88</u>	<u>121.39</u>	<u>127.52</u>
7	<u>4.39</u>	<u>4.18</u>	<u>3.87</u>	<u>4.41</u>	<u>148.67</u>	<u>125.18</u>
8	<u>4.40</u>	<u>4.00</u>	<u>3.70</u>	<u>4.34</u>	<u>146.05</u>	<u>113.66</u>
9	<u>4.25</u>	<u>4.20</u>	<u>4.16</u>	<u>4.15</u>	<u>135.83</u>	<u>135.40</u>
10	<u>4.32</u>	<u>4.22</u>	<u>4.28</u>	<u>3.94</u>	<u>133.21</u>	<u>139.63</u>
Average	<u>4.17</u>	<u>4.05</u>	<u>4.05</u>	<u>3.88</u>	<u>124.86</u>	<u>130.99</u>
Std. Dev.	<u>0.094</u>	<u>0.260</u>	<u>0.260</u>	<u>0.596</u>	<u>24.306</u>	<u>11.151</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER M

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>2.66</u>	<u>2.74</u>	<u>1.24</u>	<u>1.07</u>	<u>20.72</u>	<u>19.40</u>
2	<u>2.83</u>	<u>2.54</u>	<u>1.36</u>	<u>1.05</u>	<u>24.37</u>	<u>17.51</u>
3	<u>3.00</u>	<u>2.56</u>	<u>1.38</u>	<u>1.10</u>	<u>26.12</u>	<u>16.92</u>
4	<u>2.65</u>	<u>2.58</u>	<u>1.12</u>	<u>1.06</u>	<u>18.53</u>	<u>16.92</u>
5	<u>2.66</u>	<u>2.80</u>	<u>1.22</u>	<u>1.16</u>	<u>20.43</u>	<u>20.28</u>
6	<u>2.71</u>	<u>2.73</u>	<u>1.23</u>	<u>1.09</u>	<u>20.72</u>	<u>18.24</u>
7	<u>2.71</u>	<u>2.65</u>	<u>1.29</u>	<u>1.05</u>	<u>22.47</u>	<u>16.78</u>
8	<u>2.75</u>	<u>2.72</u>	<u>1.17</u>	<u>1.05</u>	<u>20.13</u>	<u>17.51</u>
9	<u>2.71</u>	<u>2.82</u>	<u>1.15</u>	<u>1.11</u>	<u>19.40</u>	<u>19.11</u>
10	<u>2.66</u>	<u>2.83</u>	<u>1.15</u>	<u>1.10</u>	<u>19.11</u>	<u>18.97</u>
Average	<u>2.73</u>	<u>2.70</u>	<u>1.23</u>	<u>1.08</u>	<u>21.20</u>	<u>18.16</u>
Std. Dev.	<u>0.108</u>	<u>0.109</u>	<u>0.089</u>	<u>0.035</u>	<u>2.420</u>	<u>1.221</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER M

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>2.76</u>	<u>2.43</u>	<u>1.14</u>	<u>1.00</u>	<u>19.70</u>	<u>14.74</u>
2	<u>2.59</u>	<u>2.61</u>	<u>1.02</u>	<u>1.10</u>	<u>15.90</u>	<u>17.65</u>
3	<u>2.49</u>	<u>2.91</u>	<u>0.99</u>	<u>1.41</u>	<u>15.03</u>	<u>26.12</u>
4	<u>2.71</u>	<u>2.45</u>	<u>1.13</u>	<u>0.98</u>	<u>18.82</u>	<u>14.74</u>
5	<u>2.78</u>	<u>3.00</u>	<u>1.16</u>	<u>1.47</u>	<u>20.13</u>	<u>28.16</u>
6	<u>2.80</u>	<u>3.06</u>	<u>1.16</u>	<u>1.40</u>	<u>19.84</u>	<u>27.58</u>
7	<u>2.81</u>	<u>3.05</u>	<u>1.21</u>	<u>1.35</u>	<u>21.30</u>	<u>26.12</u>
8	<u>2.69</u>	<u>3.04</u>	<u>1.09</u>	<u>1.41</u>	<u>18.24</u>	<u>27.72</u>
9	<u>2.75</u>	<u>2.95</u>	<u>1.14</u>	<u>1.39</u>	<u>19.40</u>	<u>25.97</u>
10	<u>2.83</u>	<u>3.21</u>	<u>1.17</u>	<u>1.44</u>	<u>20.57</u>	<u>29.18</u>
Average	<u>2.72</u>	<u>2.87</u>	<u>1.12</u>	<u>1.30</u>	<u>18.89</u>	<u>23.80</u>
Std. Dev.	<u>0.108</u>	<u>0.274</u>	<u>0.069</u>	<u>0.190</u>	<u>2.008</u>	<u>5.726</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER M

Aging Time: 0 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>	<u>11</u>	<u>16</u>
Specimen Number						
1	<u>3.02</u>	<u>3.08</u>	<u>1.32</u>	<u>1.31</u>	<u>25.39</u>	<u>25.82</u>
2	<u>3.21</u>	<u>3.24</u>	<u>1.46</u>	<u>1.39</u>	<u>30.06</u>	<u>28.89</u>
3	<u>3.04</u>	<u>3.08</u>	<u>1.40</u>	<u>1.24</u>	<u>26.99</u>	<u>24.07</u>
4	<u>2.90</u>	<u>3.24</u>	<u>1.26</u>	<u>1.37</u>	<u>22.91</u>	<u>28.30</u>
5	<u>2.84</u>	<u>3.02</u>	<u>1.24</u>	<u>1.38</u>	<u>22.18</u>	<u>26.55</u>
6	<u>2.94</u>	<u>2.71</u>	<u>1.30</u>	<u>1.05</u>	<u>23.93</u>	<u>17.36</u>
7	<u>3.07</u>	<u>3.02</u>	<u>1.37</u>	<u>1.30</u>	<u>26.70</u>	<u>24.37</u>
8	<u>3.01</u>	<u>3.06</u>	<u>1.37</u>	<u>1.38</u>	<u>26.55</u>	<u>26.99</u>
9	<u>3.01</u>	<u>2.90</u>	<u>1.38</u>	<u>1.31</u>	<u>26.41</u>	<u>23.93</u>
10	<u>2.99</u>	<u>2.81</u>	<u>1.29</u>	<u>1.25</u>	<u>24.51</u>	<u>22.03</u>
Average	<u>3.00</u>	<u>3.02</u>	<u>1.34</u>	<u>1.30</u>	<u>25.56</u>	<u>24.83</u>
Std. Dev.	<u>0.100</u>	<u>0.171</u>	<u>0.069</u>	<u>0.103</u>	<u>2.298</u>	<u>3.373</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER GAging Time: 3 days

<u>Sheet #</u>	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
<u>Specimen Number</u>						
1	<u>2.87</u>	<u>2.70</u>	<u>4.39</u>	<u>4.39</u>	<u>104.90</u>	<u>100.53</u>
2	<u>3.11</u>	<u>2.62</u>	<u>4.40</u>	<u>3.41</u>	<u>114.97</u>	<u>73.10</u>
3	<u>3.04</u>	<u>2.81</u>	<u>4.51</u>	<u>4.77</u>	<u>116.57</u>	<u>111.61</u>
4	<u>2.92</u>	<u>2.74</u>	<u>3.69</u>	<u>4.19</u>	<u>91.19</u>	<u>96.29</u>
5	<u>2.80</u>	<u>2.78</u>	<u>3.43</u>	<u>4.41</u>	<u>80.39</u>	<u>103.30</u>
6	<u>2.86</u>	<u>2.74</u>	<u>4.63</u>	<u>4.20</u>	<u>110.45</u>	<u>95.86</u>
7	<u>2.82</u>	<u>2.80</u>	<u>4.28</u>	<u>4.85</u>	<u>99.36</u>	<u>113.07</u>
8	<u>2.77</u>	<u>2.71</u>	<u>3.68</u>	<u>4.60</u>	<u>81.70</u>	<u>102.71</u>
9	<u>2.77</u>	<u>2.73</u>	<u>3.63</u>	<u>4.59</u>	<u>84.48</u>	<u>104.32</u>
10	<u>2.87</u>	<u>2.73</u>	<u>4.39</u>	<u>4.31</u>	<u>105.78</u>	<u>99.36</u>
Average	<u>2.88</u>	<u>2.73</u>	<u>4.10</u>	<u>4.37</u>	<u>98.98</u>	<u>100.01</u>
Std. Dev.	<u>0.111</u>	<u>0.055</u>	<u>0.441</u>	<u>0.405</u>	<u>13.716</u>	<u>11.046</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER G

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
Specimen Number						
1	<u>2.71</u>	<u>2.55</u>	<u>4.05</u>	<u>4.02</u>	<u>92.21</u>	<u>87.10</u>
2	<u>2.74</u>	<u>2.44</u>	<u>4.55</u>	<u>3.16</u>	<u>105.92</u>	<u>62.74</u>
3	<u>2.71</u>	<u>2.49</u>	<u>4.09</u>	<u>3.57</u>	<u>92.65</u>	<u>72.66</u>
4	<u>2.66</u>	<u>2.56</u>	<u>3.76</u>	<u>4.10</u>	<u>84.04</u>	<u>87.39</u>
5	<u>2.68</u>	<u>2.55</u>	<u>3.88</u>	<u>4.14</u>	<u>88.23</u>	<u>89.00</u>
6	<u>2.78</u>	<u>2.52</u>	<u>4.62</u>	<u>4.41</u>	<u>106.07</u>	<u>94.69</u>
7	<u>2.77</u>	<u>2.39</u>	<u>4.38</u>	<u>3.35</u>	<u>101.40</u>	<u>65.36</u>
8	<u>2.64</u>	<u>2.50</u>	<u>3.31</u>	<u>4.22</u>	<u>73.10</u>	<u>90.17</u>
9	<u>2.72</u>	<u>2.50</u>	<u>3.80</u>	<u>4.09</u>	<u>85.06</u>	<u>86.81</u>
10	<u>2.87</u>	<u>2.49</u>	<u>4.49</u>	<u>4.01</u>	<u>108.84</u>	<u>83.89</u>
Average	<u>2.73</u>	<u>2.50</u>	<u>4.09</u>	<u>3.91</u>	<u>93.75</u>	<u>81.98</u>
Std. Dev.	<u>0.067</u>	<u>0.052</u>	<u>0.419</u>	<u>0.405</u>	<u>11.627</u>	<u>11.023</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER G

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
<u>Specimen Number</u>						
1	<u>2.54</u>	<u>2.93</u>	<u>4.06</u>	<u>4.11</u>	<u>86.66</u>	<u>100.09</u>
2	<u>2.49</u>	<u>2.88</u>	<u>3.79</u>	<u>3.88</u>	<u>77.47</u>	<u>91.33</u>
3	<u>2.54</u>	<u>2.85</u>	<u>4.77</u>	<u>3.72</u>	<u>103.78</u>	<u>86.23</u>
4	<u>2.48</u>	<u>2.83</u>	<u>4.37</u>	<u>3.73</u>	<u>91.63</u>	<u>88.27</u>
5	<u>2.42</u>	<u>2.82</u>	<u>3.83</u>	<u>3.78</u>	<u>78.35</u>	<u>88.85</u>
6	<u>2.44</u>	<u>2.90</u>	<u>4.08</u>	<u>4.19</u>	<u>82.87</u>	<u>103.44</u>
7	<u>2.54</u>	<u>2.77</u>	<u>4.18</u>	<u>4.01</u>	<u>89.87</u>	<u>93.96</u>
8	<u>2.56</u>	<u>2.69</u>	<u>4.44</u>	<u>3.54</u>	<u>95.71</u>	<u>77.33</u>
9	<u>2.48</u>	<u>2.73</u>	<u>3.83</u>	<u>3.79</u>	<u>80.68</u>	<u>83.89</u>
10	<u>2.56</u>	<u>2.77</u>	<u>4.66</u>	<u>4.03</u>	<u>101.25</u>	<u>93.23</u>
Average	<u>2.51</u>	<u>2.82</u>	<u>4.20</u>	<u>3.88</u>	<u>88.83</u>	<u>90.66</u>
Std. Dev.	<u>0.051</u>	<u>0.076</u>	<u>0.349</u>	<u>0.203</u>	<u>9.307</u>	<u>7.619</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER H

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
Specimen Number						
1	<u>2.12</u>	<u>2.06</u>	<u>2.00</u>	<u>2.71</u>	<u>31.95</u>	<u>41.87</u>
2	<u>2.24</u>	<u>2.05</u>	<u>2.63</u>	<u>2.63</u>	<u>45.67</u>	<u>41.58</u>
3	<u>2.24</u>	<u>1.99</u>	<u>2.46</u>	<u>2.35</u>	<u>41.73</u>	<u>36.18</u>
4	<u>2.26</u>	<u>1.99</u>	<u>2.68</u>	<u>2.32</u>	<u>46.25</u>	<u>35.16</u>
5	<u>2.21</u>	<u>2.12</u>	<u>2.38</u>	<u>2.91</u>	<u>40.27</u>	<u>48.44</u>
6	<u>2.27</u>	<u>2.11</u>	<u>2.61</u>	<u>2.88</u>	<u>46.10</u>	<u>47.86</u>
7	<u>2.23</u>	<u>2.02</u>	<u>2.59</u>	<u>2.46</u>	<u>45.08</u>	<u>38.66</u>
8	<u>2.25</u>	<u>2.09</u>	<u>2.85</u>	<u>3.03</u>	<u>50.04</u>	<u>50.34</u>
9	<u>2.22</u>	<u>2.05</u>	<u>2.69</u>	<u>2.61</u>	<u>47.13</u>	<u>40.71</u>
10	<u>2.23</u>	<u>2.05</u>	<u>2.85</u>	<u>2.66</u>	<u>49.46</u>	<u>41.58</u>
Average	<u>2.23</u>	<u>2.05</u>	<u>2.57</u>	<u>2.66</u>	<u>44.37</u>	<u>42.24</u>
Std. Dev.	<u>0.041</u>	<u>0.045</u>	<u>0.250</u>	<u>0.237</u>	<u>5.296</u>	<u>5.147</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER H

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
<u>Specimen Number</u>						
1	<u>1.86</u>	<u>2.16</u>	<u>2.07</u>	<u>3.00</u>	<u>31.95</u>	<u>50.92</u>
2	<u>2.01</u>	<u>2.08</u>	<u>2.87</u>	<u>2.34</u>	<u>45.52</u>	<u>38.23</u>
3	<u>1.92</u>	<u>2.15</u>	<u>2.45</u>	<u>2.73</u>	<u>36.77</u>	<u>45.81</u>
4	<u>1.98</u>	<u>2.08</u>	<u>3.05</u>	<u>2.52</u>	<u>47.71</u>	<u>41.00</u>
5	<u>1.97</u>	<u>2.13</u>	<u>2.98</u>	<u>2.81</u>	<u>46.54</u>	<u>47.27</u>
6	<u>2.01</u>	<u>2.20</u>	<u>3.01</u>	<u>3.25</u>	<u>48.29</u>	<u>56.61</u>
7	<u>1.92</u>	<u>2.16</u>	<u>2.44</u>	<u>2.75</u>	<u>36.04</u>	<u>45.96</u>
8	<u>1.83</u>	<u>2.26</u>	<u>2.07</u>	<u>3.35</u>	<u>29.03</u>	<u>59.96</u>
9	<u>2.02</u>	<u>2.20</u>	<u>3.18</u>	<u>2.92</u>	<u>49.75</u>	<u>51.07</u>
10	<u>2.04</u>	<u>2.16</u>	<u>3.14</u>	<u>2.76</u>	<u>51.36</u>	<u>46.10</u>
Average	<u>1.96</u>	<u>2.16</u>	<u>2.73</u>	<u>2.84</u>	<u>42.30</u>	<u>48.29</u>
Std. Dev.	<u>0.070</u>	<u>0.055</u>	<u>0.430</u>	<u>0.306</u>	<u>8.055</u>	<u>6.599</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER H

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
<u>Specimen Number</u>						
1	<u>2.09</u>	<u>2.04</u>	<u>3.14</u>	<u>2.89</u>	<u>51.65</u>	<u>46.98</u>
2	<u>2.10</u>	<u>1.97</u>	<u>3.27</u>	<u>2.59</u>	<u>54.13</u>	<u>40.12</u>
3	<u>2.03</u>	<u>1.98</u>	<u>2.81</u>	<u>2.53</u>	<u>44.65</u>	<u>39.83</u>
4	<u>2.22</u>	<u>1.99</u>	<u>3.65</u>	<u>2.70</u>	<u>63.76</u>	<u>42.75</u>
5	<u>2.15</u>	<u>2.11</u>	<u>3.43</u>	<u>3.27</u>	<u>59.96</u>	<u>55.15</u>
6	<u>2.13</u>	<u>2.05</u>	<u>3.11</u>	<u>3.00</u>	<u>52.67</u>	<u>49.27</u>
7	<u>2.10</u>	<u>2.06</u>	<u>3.18</u>	<u>2.91</u>	<u>54.27</u>	<u>47.86</u>
8	<u>2.08</u>	<u>2.33</u>	<u>3.04</u>	<u>3.33</u>	<u>51.21</u>	<u>61.42</u>
9	<u>2.00</u>	<u>2.28</u>	<u>2.65</u>	<u>3.29</u>	<u>41.87</u>	<u>59.53</u>
10	<u>2.05</u>	<u>2.05</u>	<u>3.42</u>	<u>2.20</u>	<u>57.05</u>	<u>35.45</u>
Average	<u>2.10</u>	<u>2.09</u>	<u>3.17</u>	<u>2.87</u>	<u>53.12</u>	<u>47.84</u>
Std. Dev.	<u>0.062</u>	<u>0.122</u>	<u>0.297</u>	<u>0.371</u>	<u>6.516</u>	<u>8.695</u>

WEI T'ō ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER K

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
Specimen Number						
1	<u>3.58</u>	<u>3.84</u>	<u>3.08</u>	<u>4.00</u>	<u>84.62</u>	<u>119.49</u>
2	<u>3.48</u>	<u>3.88</u>	<u>2.72</u>	<u>4.17</u>	<u>72.80</u>	<u>124.89</u>
3	<u>3.65</u>	<u>3.78</u>	<u>3.27</u>	<u>3.82</u>	<u>91.19</u>	<u>111.91</u>
4	<u>3.76</u>	<u>3.85</u>	<u>3.81</u>	<u>4.14</u>	<u>111.76</u>	<u>123.14</u>
5	<u>3.71</u>	<u>3.83</u>	<u>3.47</u>	<u>3.86</u>	<u>99.80</u>	<u>113.95</u>
6	<u>3.43</u>	<u>3.73</u>	<u>2.58</u>	<u>3.54</u>	<u>66.09</u>	<u>101.25</u>
7	<u>3.71</u>	<u>3.92</u>	<u>3.43</u>	<u>4.06</u>	<u>98.34</u>	<u>123.72</u>
8	<u>3.84</u>	<u>3.85</u>	<u>3.83</u>	<u>3.84</u>	<u>114.09</u>	<u>113.36</u>
9	<u>3.80</u>	<u>3.84</u>	<u>3.53</u>	<u>3.99</u>	<u>102.86</u>	<u>118.03</u>
10	<u>3.73</u>	<u>3.85</u>	<u>3.37</u>	<u>4.17</u>	<u>96.44</u>	<u>124.74</u>
Average	<u>3.67</u>	<u>3.84</u>	<u>3.31</u>	<u>3.96</u>	<u>93.80</u>	<u>117.45</u>
Std. Dev.	<u>0.135</u>	<u>0.053</u>	<u>0.415</u>	<u>0.198</u>	<u>15.562</u>	<u>7.504</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER K

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
Specimen Number						
1	<u>3.74</u>	<u>3.79</u>	<u>3.86</u>	<u>4.00</u>	<u>112.34</u>	<u>117.60</u>
2	<u>3.79</u>	<u>4.01</u>	<u>4.03</u>	<u>4.30</u>	<u>119.05</u>	<u>135.40</u>
3	<u>3.74</u>	<u>4.02</u>	<u>3.79</u>	<u>4.36</u>	<u>110.74</u>	<u>137.44</u>
4	<u>3.77</u>	<u>4.06</u>	<u>3.91</u>	<u>4.19</u>	<u>115.12</u>	<u>133.21</u>
5	<u>3.71</u>	<u>3.94</u>	<u>3.74</u>	<u>3.89</u>	<u>108.11</u>	<u>118.91</u>
6	<u>3.75</u>	<u>3.96</u>	<u>3.82</u>	<u>3.73</u>	<u>113.51</u>	<u>114.39</u>
7	<u>3.78</u>	<u>4.00</u>	<u>3.84</u>	<u>3.49</u>	<u>111.76</u>	<u>107.67</u>
8	<u>3.78</u>	<u>4.11</u>	<u>3.96</u>	<u>4.24</u>	<u>115.70</u>	<u>136.12</u>
9	<u>3.79</u>	<u>3.88</u>	<u>3.97</u>	<u>3.71</u>	<u>116.72</u>	<u>112.93</u>
10	<u>3.71</u>	<u>3.90</u>	<u>3.74</u>	<u>4.10</u>	<u>108.11</u>	<u>125.18</u>
Average	<u>3.76</u>	<u>3.97</u>	<u>3.87</u>	<u>4.00</u>	<u>113.12</u>	<u>123.88</u>
Std. Dev.	<u>0.032</u>	<u>0.093</u>	<u>0.099</u>	<u>0.289</u>	<u>3.609</u>	<u>11.015</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER K

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
<u>Specimen Number</u>						
1	<u>3.65</u>	<u>3.79</u>	<u>3.76</u>	<u>3.54</u>	<u>100.23</u>	<u>110.74</u>
2	<u>3.72</u>	<u>3.96</u>	<u>4.14</u>	<u>4.01</u>	<u>118.03</u>	<u>127.37</u>
3	<u>3.70</u>	<u>4.07</u>	<u>4.06</u>	<u>3.92</u>	<u>111.91</u>	<u>128.54</u>
4	<u>3.71</u>	<u>3.99</u>	<u>4.00</u>	<u>4.05</u>	<u>117.74</u>	<u>123.29</u>
5	<u>3.64</u>	<u>4.10</u>	<u>4.29</u>	<u>3.80</u>	<u>107.09</u>	<u>135.98</u>
6	<u>3.57</u>	<u>3.90</u>	<u>3.99</u>	<u>3.69</u>	<u>102.13</u>	<u>120.22</u>
7	<u>3.68</u>	<u>3.89</u>	<u>4.12</u>	<u>4.11</u>	<u>116.43</u>	<u>124.16</u>
8	<u>3.86</u>	<u>3.83</u>	<u>3.99</u>	<u>4.18</u>	<u>125.91</u>	<u>119.93</u>
9	<u>3.68</u>	<u>3.73</u>	<u>3.76</u>	<u>3.81</u>	<u>108.40</u>	<u>108.55</u>
10	<u>3.82</u>	<u>3.59</u>	<u>3.22</u>	<u>4.06</u>	<u>120.66</u>	<u>88.85</u>
Average	<u>3.89</u>	<u>3.93</u>	<u>3.93</u>	<u>3.92</u>	<u>112.85</u>	<u>118.76</u>
Std. Dev.	<u>0.157</u>	<u>0.298</u>	<u>0.298</u>	<u>0.203</u>	<u>8.321</u>	<u>13.260</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER M

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
Specimen Number						
1	<u>2.69</u>	<u>2.70</u>	<u>1.00</u>	<u>1.08</u>	<u>16.34</u>	<u>18.09</u>
2	<u>2.80</u>	<u>2.66</u>	<u>1.09</u>	<u>1.02</u>	<u>18.68</u>	<u>16.49</u>
3	<u>3.06</u>	<u>2.64</u>	<u>1.22</u>	<u>0.96</u>	<u>23.20</u>	<u>15.17</u>
4	<u>2.87</u>	<u>2.67</u>	<u>1.11</u>	<u>0.98</u>	<u>19.40</u>	<u>15.76</u>
5	<u>2.80</u>	<u>2.64</u>	<u>1.19</u>	<u>0.92</u>	<u>20.57</u>	<u>14.44</u>
6	<u>2.74</u>	<u>2.87</u>	<u>1.11</u>	<u>1.04</u>	<u>18.53</u>	<u>17.95</u>
7	<u>2.79</u>	<u>2.81</u>	<u>1.15</u>	<u>1.06</u>	<u>19.99</u>	<u>17.95</u>
8	<u>2.68</u>	<u>2.73</u>	<u>1.10</u>	<u>1.00</u>	<u>18.24</u>	<u>16.63</u>
9	<u>2.80</u>	<u>2.67</u>	<u>1.13</u>	<u>1.06</u>	<u>19.58</u>	<u>17.36</u>
10	<u>2.87</u>	<u>1.11</u>	<u>1.27</u>	<u>0.50</u>	<u>22.61</u>	<u>3.09</u>
Average	<u>2.81</u>	<u>2.55</u>	<u>1.14</u>	<u>0.96</u>	<u>19.71</u>	<u>15.29</u>
Std. Dev.	<u>0.108</u>	<u>0.511</u>	<u>0.076</u>	<u>0.170</u>	<u>2.042</u>	<u>4.463</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER M

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
<u>Specimen Number</u>						
1	<u>2.83</u>	<u>3.18</u>	<u>1.12</u>	<u>1.33</u>	<u>19.70</u>	<u>26.99</u>
2	<u>2.67</u>	<u>2.96</u>	<u>1.08</u>	<u>1.18</u>	<u>17.65</u>	<u>21.74</u>
3	<u>2.66</u>	<u>2.92</u>	<u>1.10</u>	<u>1.22</u>	<u>17.80</u>	<u>22.03</u>
4	<u>2.62</u>	<u>3.03</u>	<u>1.10</u>	<u>1.31</u>	<u>17.65</u>	<u>24.95</u>
5	<u>2.93</u>	<u>2.66</u>	<u>1.15</u>	<u>1.06</u>	<u>22.47</u>	<u>17.07</u>
6	<u>3.04</u>	<u>2.68</u>	<u>1.19</u>	<u>1.04</u>	<u>22.47</u>	<u>16.92</u>
7	<u>3.15</u>	<u>2.24</u>	<u>1.19</u>	<u>0.75</u>	<u>23.49</u>	<u>9.78</u>
8	<u>3.17</u>	<u>2.99</u>	<u>1.29</u>	<u>1.25</u>	<u>25.39</u>	<u>23.34</u>
9	<u>2.79</u>	<u>2.83</u>	<u>1.07</u>	<u>1.23</u>	<u>18.09</u>	<u>21.59</u>
10	<u>3.09</u>	<u>2.72</u>	<u>1.21</u>	<u>1.04</u>	<u>23.20</u>	<u>17.22</u>
Average	<u>2.90</u>	<u>2.82</u>	<u>1.15</u>	<u>1.14</u>	<u>20.79</u>	<u>20.16</u>
Std. Dev.	<u>0.210</u>	<u>0.263</u>	<u>0.070</u>	<u>0.174</u>	<u>2.924</u>	<u>4.992</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER M

Aging Time: 3 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>7</u>
<u>Specimen Number</u>						
1	<u>2.47</u>	<u>2.76</u>	<u>1.01</u>	<u>0.98</u>	<u>14.79</u>	<u>16.43</u>
2	<u>2.58</u>	<u>2.80</u>	<u>0.99</u>	<u>1.14</u>	<u>15.04</u>	<u>19.75</u>
3	<u>2.65</u>	<u>2.70</u>	<u>1.13</u>	<u>0.98</u>	<u>18.47</u>	<u>15.90</u>
4	<u>2.37</u>	<u>2.95</u>	<u>0.94</u>	<u>1.17</u>	<u>13.38</u>	<u>20.97</u>
5	<u>2.40</u>	<u>2.86</u>	<u>0.99</u>	<u>1.12</u>	<u>14.31</u>	<u>19.45</u>
6	<u>2.44</u>	<u>2.83</u>	<u>0.99</u>	<u>1.20</u>	<u>14.34</u>	<u>20.82</u>
7	<u>2.40</u>	<u>2.72</u>	<u>0.95</u>	<u>1.08</u>	<u>13.66</u>	<u>17.79</u>
8	<u>2.57</u>	<u>0.35</u>	<u>1.08</u>	<u>1.09</u>	<u>17.07</u>	<u>17.74</u>
9	<u>2.51</u>	<u>2.71</u>	<u>1.02</u>	<u>1.11</u>	<u>15.51</u>	<u>18.22</u>
10	<u>2.56</u>	<u>2.67</u>	<u>1.00</u>	<u>1.09</u>	<u>15.47</u>	<u>17.74</u>
Average	<u>2.50</u>	<u>2.53</u>	<u>1.01</u>	<u>1.10</u>	<u>15.21</u>	<u>18.48</u>
Std. Dev.	<u>0.093</u>	<u>0.772</u>	<u>0.058</u>	<u>0.072</u>	<u>1.554</u>	<u>1.723</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER G

Aging Time: 6 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
<u>Specimen Number</u>						
1	<u>2.73</u>	<u>2.82</u>	<u>3.90</u>	<u>3.66</u>	<u>91.04</u>	<u>84.91</u>
2	<u>2.85</u>	<u>2.82</u>	<u>4.49</u>	<u>3.77</u>	<u>107.38</u>	<u>87.25</u>
3	<u>2.96</u>	<u>2.89</u>	<u>4.19</u>	<u>4.19</u>	<u>96.00</u>	<u>99.65</u>
4	<u>2.75</u>	<u>2.89</u>	<u>3.90</u>	<u>4.38</u>	<u>89.87</u>	<u>105.19</u>
5	<u>2.73</u>	<u>2.87</u>	<u>3.92</u>	<u>4.01</u>	<u>90.75</u>	<u>95.56</u>
6	<u>2.81</u>	<u>2.83</u>	<u>4.16</u>	<u>3.65</u>	<u>97.61</u>	<u>84.62</u>
7	<u>2.86</u>	<u>2.91</u>	<u>4.61</u>	<u>3.85</u>	<u>110.59</u>	<u>92.06</u>
8	<u>2.84</u>	<u>2.85</u>	<u>4.53</u>	<u>3.45</u>	<u>109.86</u>	<u>80.83</u>
9	<u>2.75</u>	<u>2.86</u>	<u>4.01</u>	<u>3.84</u>	<u>91.48</u>	<u>91.48</u>
10	<u>2.73</u>	<u>2.88</u>	<u>3.84</u>	<u>3.97</u>	<u>87.98</u>	<u>94.54</u>
Average	<u>2.80</u>	<u>2.86</u>	<u>4.15</u>	<u>3.88</u>	<u>97.26</u>	<u>91.61</u>
Std. Dev.	<u>0.077</u>	<u>0.032</u>	<u>0.292</u>	<u>0.273</u>	<u>8.793</u>	<u>7.473</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER G

Aging Time: 6 days

<u>Sheet #</u>	<u>Tensile Strength, kN/M</u>		<u>Stretch, %</u>		<u>TEA, J/sq M</u>	
	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
<u>Specimen Number</u>						
1	<u>2.50</u>	<u>2.81</u>	<u>3.37</u>	<u>4.41</u>	<u>71.35</u>	<u>103.30</u>
2	<u>2.55</u>	<u>2.82</u>	<u>3.97</u>	<u>4.32</u>	<u>86.23</u>	<u>102.71</u>
3	<u>2.50</u>	<u>2.80</u>	<u>3.60</u>	<u>3.95</u>	<u>75.28</u>	<u>91.04</u>
4	<u>2.53</u>	<u>2.81</u>	<u>3.86</u>	<u>4.41</u>	<u>80.97</u>	<u>104.90</u>
5	<u>2.55</u>	<u>2.88</u>	<u>3.78</u>	<u>4.79</u>	<u>79.95</u>	<u>116.28</u>
6	<u>2.53</u>	<u>2.75</u>	<u>3.94</u>	<u>3.73</u>	<u>84.62</u>	<u>84.48</u>
7	<u>2.51</u>	<u>2.85</u>	<u>3.82</u>	<u>4.44</u>	<u>79.81</u>	<u>105.63</u>
8	<u>2.48</u>	<u>2.79</u>	<u>3.42</u>	<u>3.85</u>	<u>71.49</u>	<u>90.17</u>
9	<u>2.44</u>	<u>2.85</u>	<u>3.14</u>	<u>4.55</u>	<u>62.15</u>	<u>108.99</u>
10	<u>2.63</u>	<u>2.79</u>	<u>4.38</u>	<u>4.12</u>	<u>97.90</u>	<u>96.59</u>
Average	<u>2.52</u>	<u>2.81</u>	<u>3.73</u>	<u>4.26</u>	<u>78.98</u>	<u>100.41</u>
Std. Dev.	<u>0.051</u>	<u>0.038</u>	<u>0.356</u>	<u>0.335</u>	<u>9.770</u>	<u>9.706</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER G

Aging Time: 6 days

Sheet # Specimen Number	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
1	<u>2.93</u>	<u>2.55</u>	<u>3.77</u>	<u>4.21</u>	<u>91.77</u>	<u>89.14</u>
2	<u>2.87</u>	<u>2.54</u>	<u>3.56</u>	<u>4.39</u>	<u>84.04</u>	<u>93.96</u>
3	<u>2.89</u>	<u>2.52</u>	<u>3.59</u>	<u>4.23</u>	<u>85.64</u>	<u>89.87</u>
4	<u>2.85</u>	<u>2.43</u>	<u>3.52</u>	<u>3.64</u>	<u>83.60</u>	<u>76.31</u>
5	<u>2.92</u>	<u>2.50</u>	<u>3.74</u>	<u>3.83</u>	<u>92.06</u>	<u>78.93</u>
6	<u>2.95</u>	<u>2.55</u>	<u>4.26</u>	<u>4.38</u>	<u>107.24</u>	<u>93.67</u>
7	<u>2.95</u>	<u>2.51</u>	<u>4.26</u>	<u>3.75</u>	<u>105.92</u>	<u>80.83</u>
8	<u>2.88</u>	<u>2.49</u>	<u>3.48</u>	<u>3.45</u>	<u>83.16</u>	<u>72.22</u>
9	<u>2.99</u>	<u>2.56</u>	<u>4.27</u>	<u>4.18</u>	<u>106.22</u>	<u>92.79</u>
10	<u>2.95</u>	<u>2.45</u>	<u>3.96</u>	<u>3.28</u>	<u>97.75</u>	<u>65.66</u>
Average	<u>2.92</u>	<u>2.51</u>	<u>3.84</u>	<u>3.93</u>	<u>93.74</u>	<u>83.34</u>
Std. Dev.	<u>0.044</u>	<u>0.043</u>	<u>0.323</u>	<u>0.398</u>	<u>9.907</u>	<u>9.982</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER H

Aging Time: 6 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
<u>Specimen Number</u>						
1	<u>2.29</u>	<u>2.26</u>	<u>2.53</u>	<u>2.62</u>	<u>43.92</u>	<u>45.67</u>
2	<u>2.33</u>	<u>2.20</u>	<u>2.79</u>	<u>2.51</u>	<u>49.46</u>	<u>42.31</u>
3	<u>2.23</u>	<u>2.14</u>	<u>2.36</u>	<u>2.14</u>	<u>40.12</u>	<u>35.16</u>
4	<u>2.29</u>	<u>2.18</u>	<u>2.75</u>	<u>2.28</u>	<u>48.15</u>	<u>37.50</u>
5	<u>2.24</u>	<u>2.33</u>	<u>2.44</u>	<u>2.84</u>	<u>41.73</u>	<u>50.92</u>
6	<u>2.26</u>	<u>2.32</u>	<u>2.48</u>	<u>3.03</u>	<u>43.62</u>	<u>53.84</u>
7	<u>2.27</u>	<u>2.22</u>	<u>2.50</u>	<u>2.42</u>	<u>43.33</u>	<u>40.71</u>
8	<u>2.30</u>	<u>2.35</u>	<u>2.70</u>	<u>2.79</u>	<u>48.58</u>	<u>49.90</u>
9	<u>2.38</u>	<u>2.26</u>	<u>2.80</u>	<u>2.59</u>	<u>51.36</u>	<u>45.67</u>
10	<u>2.21</u>	<u>2.17</u>	<u>1.96</u>	<u>2.46</u>	<u>32.24</u>	<u>40.85</u>
Average	<u>2.28</u>	<u>2.24</u>	<u>2.53</u>	<u>2.57</u>	<u>44.25</u>	<u>44.25</u>
Std. Dev.	<u>0.050</u>	<u>0.073</u>	<u>0.254</u>	<u>0.267</u>	<u>5.583</u>	<u>6.040</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER H

Aging Time: 6 days

<u>Sheet #</u>	<u>Tensile Strength, kN/M</u>		<u>Stretch, %</u>		<u>TEA, J/sq M</u>	
	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
<u>Specimen Number</u>						
1	<u>1.99</u>	<u>1.97</u>	<u>2.34</u>	<u>2.45</u>	<u>36.04</u>	<u>37.20</u>
2	<u>1.94</u>	<u>2.11</u>	<u>2.29</u>	<u>3.18</u>	<u>34.72</u>	<u>53.55</u>
3	<u>1.96</u>	<u>1.95</u>	<u>2.41</u>	<u>2.42</u>	<u>36.91</u>	<u>36.91</u>
4	<u>2.09</u>	<u>2.04</u>	<u>3.16</u>	<u>2.81</u>	<u>51.79</u>	<u>45.67</u>
5	<u>2.01</u>	<u>2.02</u>	<u>2.77</u>	<u>2.55</u>	<u>42.75</u>	<u>40.27</u>
6	<u>2.01</u>	<u>2.12</u>	<u>2.66</u>	<u>2.85</u>	<u>41.00</u>	<u>46.98</u>
7	<u>2.01</u>	<u>1.95</u>	<u>2.76</u>	<u>2.02</u>	<u>44.06</u>	<u>29.91</u>
8	<u>2.00</u>	<u>2.07</u>	<u>2.57</u>	<u>2.90</u>	<u>39.39</u>	<u>48.00</u>
9	<u>2.09</u>	<u>2.00</u>	<u>3.30</u>	<u>2.52</u>	<u>54.86</u>	<u>38.81</u>
10	<u>2.01</u>	<u>1.97</u>	<u>2.63</u>	<u>2.55</u>	<u>41.58</u>	<u>38.37</u>
Average	<u>2.01</u>	<u>2.02</u>	<u>2.69</u>	<u>2.63</u>	<u>42.31</u>	<u>41.57</u>
Std. Dev.	<u>0.048</u>	<u>0.063</u>	<u>0.331</u>	<u>0.321</u>	<u>6.561</u>	<u>6.889</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER H

Aging Time: 6 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
Specimen Number						
1	<u>1.96</u>	<u>2.04</u>	<u>2.81</u>	<u>3.40</u>	<u>43.33</u>	<u>54.71</u>
2	<u>2.01</u>	<u>2.00</u>	<u>2.87</u>	<u>2.82</u>	<u>46.25</u>	<u>44.50</u>
3	<u>1.91</u>	<u>2.00</u>	<u>2.66</u>	<u>3.02</u>	<u>41.44</u>	<u>49.02</u>
4	<u>2.03</u>	<u>2.01</u>	<u>3.33</u>	<u>3.02</u>	<u>53.69</u>	<u>48.15</u>
5	<u>1.98</u>	<u>2.02</u>	<u>2.99</u>	<u>3.06</u>	<u>48.88</u>	<u>49.46</u>
6	<u>1.92</u>	<u>1.95</u>	<u>2.53</u>	<u>2.66</u>	<u>37.35</u>	<u>41.14</u>
7	<u>2.00</u>	<u>2.03</u>	<u>2.94</u>	<u>3.20</u>	<u>46.69</u>	<u>52.23</u>
8	<u>2.02</u>	<u>1.96</u>	<u>2.85</u>	<u>2.65</u>	<u>45.23</u>	<u>40.12</u>
9	<u>2.02</u>	<u>1.98</u>	<u>2.69</u>	<u>2.82</u>	<u>44.21</u>	<u>44.50</u>
10	<u>2.03</u>	<u>1.90</u>	<u>2.78</u>	<u>2.20</u>	<u>44.50</u>	<u>31.95</u>
Average	<u>1.99</u>	<u>1.99</u>	<u>2.85</u>	<u>2.89</u>	<u>45.16</u>	<u>45.58</u>
Std. Dev.	<u>0.044</u>	<u>0.043</u>	<u>0.218</u>	<u>0.336</u>	<u>4.342</u>	<u>6.656</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER K

Aging Time: 6 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
Specimen Number						
1	<u>3.62</u>	<u>3.68</u>	<u>3.52</u>	<u>3.81</u>	<u>98.37</u>	<u>108.71</u>
2	<u>3.62</u>	<u>3.64</u>	<u>3.64</u>	<u>3.59</u>	<u>101.94</u>	<u>101.69</u>
3	<u>3.59</u>	<u>3.76</u>	<u>3.53</u>	<u>4.09</u>	<u>97.94</u>	<u>119.29</u>
4	<u>3.60</u>	<u>3.78</u>	<u>3.51</u>	<u>4.13</u>	<u>98.07</u>	<u>122.37</u>
5	<u>3.60</u>	<u>3.81</u>	<u>3.50</u>	<u>4.19</u>	<u>98.18</u>	<u>125.75</u>
6	<u>3.67</u>	<u>3.78</u>	<u>3.77</u>	<u>4.04</u>	<u>107.02</u>	<u>119.23</u>
7	<u>3.71</u>	<u>3.76</u>	<u>3.89</u>	<u>3.78</u>	<u>112.72</u>	<u>110.45</u>
8	<u>3.63</u>	<u>3.78</u>	<u>3.52</u>	<u>4.02</u>	<u>98.89</u>	<u>118.44</u>
9	<u>3.62</u>	<u>3.81</u>	<u>3.53</u>	<u>4.08</u>	<u>98.38</u>	<u>121.52</u>
10	<u>3.64</u>	<u>3.64</u>	<u>3.73</u>	<u>3.38</u>	<u>106.20</u>	<u>96.94</u>
Average	<u>3.63</u>	<u>3.74</u>	<u>3.61</u>	<u>3.91</u>	<u>101.77</u>	<u>114.44</u>
Std. Dev.	<u>0.036</u>	<u>0.065</u>	<u>0.138</u>	<u>0.264</u>	<u>5.161</u>	<u>9.551</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER K

Aging Time: 6 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
Specimen Number						
1	<u>3.71</u>	<u>3.95</u>	<u>3.00</u>	<u>3.72</u>	<u>84.48</u>	<u>112.63</u>
2	<u>3.75</u>	<u>4.04</u>	<u>3.09</u>	<u>3.86</u>	<u>88.42</u>	<u>119.93</u>
3	<u>3.88</u>	<u>3.91</u>	<u>3.74</u>	<u>3.48</u>	<u>112.49</u>	<u>105.05</u>
4	<u>3.86</u>	<u>3.98</u>	<u>3.53</u>	<u>3.82</u>	<u>106.51</u>	<u>116.57</u>
5	<u>3.86</u>	<u>3.88</u>	<u>3.58</u>	<u>3.56</u>	<u>106.22</u>	<u>106.22</u>
6	<u>4.00</u>	<u>3.89</u>	<u>3.95</u>	<u>3.44</u>	<u>122.26</u>	<u>103.59</u>
7	<u>3.88</u>	<u>3.82</u>	<u>3.46</u>	<u>3.29</u>	<u>102.57</u>	<u>96.88</u>
8	<u>4.00</u>	<u>3.82</u>	<u>3.91</u>	<u>3.57</u>	<u>120.08</u>	<u>106.22</u>
9	<u>3.97</u>	<u>3.81</u>	<u>3.60</u>	<u>3.50</u>	<u>109.72</u>	<u>102.42</u>
10	<u>3.79</u>	<u>3.84</u>	<u>3.16</u>	<u>3.64</u>	<u>92.65</u>	<u>107.82</u>
Average	<u>3.87</u>	<u>3.90</u>	<u>3.50</u>	<u>3.59</u>	<u>104.54</u>	<u>107.73</u>
Std. Dev.	<u>0.101</u>	<u>0.076</u>	<u>0.330</u>	<u>0.176</u>	<u>12.737</u>	<u>6.880</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER K

Aging Time: 6 days

<u>Sheet #</u>	<u>Tensile Strength, kN/M</u>		<u>Stretch, %</u>		<u>TEA, J/sq M</u>	
	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
<u>Specimen Number</u>						
1	<u>3.77</u>	<u>3.78</u>	<u>3.80</u>	<u>3.97</u>	<u>117.01</u>	<u>111.32</u>
2	<u>3.77</u>	<u>3.58</u>	<u>2.97</u>	<u>4.00</u>	<u>118.03</u>	<u>81.27</u>
3	<u>3.80</u>	<u>3.41</u>	<u>2.46</u>	<u>4.04</u>	<u>119.20</u>	<u>63.03</u>
4	<u>3.52</u>	<u>3.61</u>	<u>3.15</u>	<u>3.08</u>	<u>83.02</u>	<u>87.83</u>
5	<u>3.62</u>	<u>3.85</u>	<u>3.86</u>	<u>3.34</u>	<u>93.67</u>	<u>114.97</u>
6	<u>3.56</u>	<u>3.72</u>	<u>3.24</u>	<u>3.08</u>	<u>84.18</u>	<u>93.08</u>
7	<u>3.81</u>	<u>3.82</u>	<u>3.69</u>	<u>3.90</u>	<u>114.97</u>	<u>108.99</u>
8	<u>3.84</u>	<u>3.81</u>	<u>3.61</u>	<u>3.92</u>	<u>118.18</u>	<u>105.92</u>
9	<u>3.91</u>	<u>3.91</u>	<u>3.87</u>	<u>3.95</u>	<u>120.22</u>	<u>116.57</u>
10	<u>3.92</u>	<u>3.81</u>	<u>3.53</u>	<u>3.94</u>	<u>119.93</u>	<u>104.17</u>
Average	<u>3.73</u>	<u>3.42</u>	<u>3.42</u>	<u>3.72</u>	<u>108.84</u>	<u>98.72</u>
Std. Dev.	<u>0.153</u>	<u>0.458</u>	<u>0.458</u>	<u>0.391</u>	<u>15.423</u>	<u>17.183</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER M

Aging Time: 6 days

<u>Sheet #</u>	<u>Tensile Strength, kN/M</u>		<u>Stretch, %</u>		<u>TEA, J/sq M</u>	
	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
<u>Specimen Number</u>						
1	<u>2.59</u>	<u>2.83</u>	<u>0.94</u>	<u>1.05</u>	<u>14.59</u>	<u>17.80</u>
2	<u>2.61</u>	<u>2.90</u>	<u>0.95</u>	<u>1.14</u>	<u>14.88</u>	<u>20.28</u>
3	<u>2.59</u>	<u>3.03</u>	<u>0.94</u>	<u>1.25</u>	<u>14.30</u>	<u>23.49</u>
4	<u>2.73</u>	<u>2.95</u>	<u>1.05</u>	<u>1.22</u>	<u>17.51</u>	<u>22.32</u>
5	<u>2.73</u>	<u>2.87</u>	<u>1.04</u>	<u>1.09</u>	<u>16.92</u>	<u>18.97</u>
6	<u>2.55</u>	<u>2.91</u>	<u>0.93</u>	<u>1.13</u>	<u>14.15</u>	<u>19.99</u>
7	<u>2.66</u>	<u>2.78</u>	<u>0.96</u>	<u>1.09</u>	<u>15.32</u>	<u>18.53</u>
8	<u>2.86</u>	<u>2.54</u>	<u>1.08</u>	<u>0.97</u>	<u>18.82</u>	<u>14.74</u>
9	<u>2.68</u>	<u>2.56</u>	<u>1.01</u>	<u>1.00</u>	<u>16.63</u>	<u>15.47</u>
10	<u>2.34</u>	<u>2.54</u>	<u>0.82</u>	<u>1.03</u>	<u>11.23</u>	<u>16.05</u>
Average	<u>2.64</u>	<u>2.79</u>	<u>0.97</u>	<u>1.10</u>	<u>15.44</u>	<u>18.76</u>
Std. Dev.	<u>0.139</u>	<u>0.181</u>	<u>0.076</u>	<u>0.091</u>	<u>2.135</u>	<u>2.873</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER M

Aging Time: 6 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
<u>Specimen Number</u>						
1	<u>2.29</u>	<u>2.65</u>	<u>0.86</u>	<u>1.10</u>	<u>11.67</u>	<u>17.80</u>
2	<u>2.43</u>	<u>2.79</u>	<u>0.89</u>	<u>1.19</u>	<u>12.69</u>	<u>20.57</u>
3	<u>2.63</u>	<u>2.61</u>	<u>1.02</u>	<u>1.14</u>	<u>15.90</u>	<u>18.24</u>
4	<u>2.68</u>	<u>2.38</u>	<u>1.08</u>	<u>0.99</u>	<u>17.65</u>	<u>14.01</u>
5	<u>2.78</u>	<u>2.55</u>	<u>1.15</u>	<u>1.13</u>	<u>19.55</u>	<u>17.80</u>
6	<u>2.17</u>	<u>2.61</u>	<u>0.73</u>	<u>1.09</u>	<u>9.05</u>	<u>17.36</u>
7	<u>2.57</u>	<u>2.66</u>	<u>0.99</u>	<u>1.12</u>	<u>15.32</u>	<u>18.09</u>
8	<u>2.83</u>	<u>2.56</u>	<u>1.12</u>	<u>1.00</u>	<u>20.43</u>	<u>15.17</u>
9	<u>2.40</u>	<u>2.23</u>	<u>0.90</u>	<u>0.91</u>	<u>12.69</u>	<u>11.82</u>
10	<u>2.60</u>	<u>2.29</u>	<u>0.98</u>	<u>0.87</u>	<u>15.03</u>	<u>11.67</u>
Average	<u>2.54</u>	<u>2.53</u>	<u>0.97</u>	<u>1.05</u>	<u>15.00</u>	<u>16.25</u>
Std. Dev.	<u>0.212</u>	<u>0.176</u>	<u>0.130</u>	<u>0.106</u>	<u>3.579</u>	<u>2.960</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER M

Aging Time: 6 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>15</u>
Specimen Number						
1	<u>2.75</u>	<u>2.44</u>	<u>1.05</u>	<u>0.99</u>	<u>17.51</u>	<u>14.30</u>
2	<u>2.62</u>	<u>2.58</u>	<u>1.04</u>	<u>1.02</u>	<u>16.34</u>	<u>15.76</u>
3	<u>2.86</u>	<u>2.46</u>	<u>1.17</u>	<u>0.96</u>	<u>20.72</u>	<u>14.15</u>
4	<u>2.95</u>	<u>2.53</u>	<u>1.16</u>	<u>1.03</u>	<u>20.86</u>	<u>15.61</u>
5	<u>2.78</u>	<u>2.55</u>	<u>1.12</u>	<u>1.04</u>	<u>18.97</u>	<u>16.19</u>
6	<u>2.91</u>	<u>2.45</u>	<u>1.20</u>	<u>1.03</u>	<u>21.30</u>	<u>15.17</u>
7	<u>2.62</u>	<u>2.63</u>	<u>0.98</u>	<u>1.10</u>	<u>15.47</u>	<u>17.65</u>
8	<u>2.74</u>	<u>2.54</u>	<u>1.10</u>	<u>1.02</u>	<u>18.38</u>	<u>15.61</u>
9	<u>2.84</u>	<u>2.56</u>	<u>1.16</u>	<u>1.03</u>	<u>20.13</u>	<u>15.76</u>
10	<u>2.81</u>	<u>2.62</u>	<u>1.17</u>	<u>1.07</u>	<u>20.28</u>	<u>16.92</u>
Average	<u>2.79</u>	<u>2.54</u>	<u>1.12</u>	<u>1.03</u>	<u>19.00</u>	<u>15.71</u>
Std. Dev.	<u>0.109</u>	<u>0.067</u>	<u>0.071</u>	<u>0.038</u>	<u>2.023</u>	<u>1.066</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER G

Aging Time: 9 days

<u>Sheet #</u>	<u>Tensile Strength, kN/M</u>		<u>Stretch, %</u>		<u>TEA, J/sq M</u>	
	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
<u>Specimen Number</u>						
1	<u>2.79</u>	<u>2.89</u>	<u>4.05</u>	<u>3.81</u>	<u>93.67</u>	<u>91.19</u>
2	<u>2.75</u>	<u>2.91</u>	<u>3.82</u>	<u>3.94</u>	<u>89.00</u>	<u>96.73</u>
3	<u>2.82</u>	<u>2.86</u>	<u>4.55</u>	<u>3.71</u>	<u>107.53</u>	<u>88.56</u>
4	<u>2.79</u>	<u>2.82</u>	<u>4.19</u>	<u>3.33</u>	<u>98.19</u>	<u>79.22</u>
5	<u>2.77</u>	<u>2.85</u>	<u>3.96</u>	<u>3.53</u>	<u>91.33</u>	<u>84.91</u>
6	<u>2.75</u>	<u>2.80</u>	<u>3.82</u>	<u>3.17</u>	<u>87.98</u>	<u>72.66</u>
7	<u>2.85</u>	<u>2.89</u>	<u>4.16</u>	<u>3.90</u>	<u>97.17</u>	<u>93.52</u>
8	<u>2.92</u>	<u>2.79</u>	<u>4.61</u>	<u>3.11</u>	<u>113.80</u>	<u>71.78</u>
9	<u>2.88</u>	<u>2.92</u>	<u>4.29</u>	<u>4.09</u>	<u>102.86</u>	<u>100.82</u>
10	<u>2.85</u>	<u>2.78</u>	<u>3.80</u>	<u>3.00</u>	<u>93.52</u>	<u>70.03</u>
Average	<u>2.82</u>	<u>2.85</u>	<u>4.13</u>	<u>3.56</u>	<u>97.50</u>	<u>84.94</u>
Std. Dev.	<u>0.054</u>	<u>0.050</u>	<u>0.293</u>	<u>0.387</u>	<u>8.347</u>	<u>11.034</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER G

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
Specimen Number						
1	<u>2.79</u>	<u>2.59</u>	<u>4.24</u>	<u>4.25</u>	<u>99.65</u>	<u>92.50</u>
2	<u>2.81</u>	<u>2.43</u>	<u>4.37</u>	<u>3.04</u>	<u>103.30</u>	<u>63.17</u>
3	<u>2.80</u>	<u>2.51</u>	<u>4.53</u>	<u>3.65</u>	<u>107.97</u>	<u>76.45</u>
4	<u>2.80</u>	<u>2.46</u>	<u>4.62</u>	<u>3.32</u>	<u>109.86</u>	<u>67.70</u>
5	<u>2.75</u>	<u>2.52</u>	<u>4.04</u>	<u>3.93</u>	<u>93.23</u>	<u>84.18</u>
6	<u>2.77</u>	<u>2.47</u>	<u>3.96</u>	<u>3.38</u>	<u>92.65</u>	<u>70.47</u>
7	<u>2.74</u>	<u>2.53</u>	<u>3.77</u>	<u>3.72</u>	<u>87.25</u>	<u>78.49</u>
8	<u>2.65</u>	<u>2.49</u>	<u>3.12</u>	<u>3.41</u>	<u>70.32</u>	<u>72.37</u>
9	<u>2.73</u>	<u>2.56</u>	<u>3.43</u>	<u>4.07</u>	<u>77.91</u>	<u>88.27</u>
10	<u>2.80</u>	<u>2.58</u>	<u>3.98</u>	<u>4.11</u>	<u>94.11</u>	<u>92.06</u>
Average	<u>2.76</u>	<u>2.51</u>	<u>4.01</u>	<u>3.69</u>	<u>93.62</u>	<u>78.57</u>
Std. Dev.	<u>0.049</u>	<u>0.054</u>	<u>0.473</u>	<u>0.398</u>	<u>12.610</u>	<u>10.358</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER G

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
<u>Specimen Number</u>						
1	<u>2.92</u>	<u>2.51</u>	<u>3.62</u>	<u>3.89</u>	<u>87.39</u>	<u>82.58</u>
2	<u>2.99</u>	<u>2.48</u>	<u>4.37</u>	<u>3.87</u>	<u>108.26</u>	<u>80.68</u>
3	<u>2.85</u>	<u>2.42</u>	<u>3.41</u>	<u>3.33</u>	<u>80.68</u>	<u>68.28</u>
4	<u>2.90</u>	<u>2.35</u>	<u>3.81</u>	<u>2.76</u>	<u>91.19</u>	<u>52.23</u>
5	<u>2.94</u>	<u>2.51</u>	<u>3.81</u>	<u>3.91</u>	<u>92.94</u>	<u>83.60</u>
6	<u>2.89</u>	<u>2.51</u>	<u>3.49</u>	<u>3.72</u>	<u>84.48</u>	<u>78.35</u>
7	<u>2.95</u>	<u>2.40</u>	<u>3.82</u>	<u>3.16</u>	<u>93.67</u>	<u>63.17</u>
8	<u>2.94</u>	<u>2.37</u>	<u>3.78</u>	<u>3.04</u>	<u>90.90</u>	<u>60.11</u>
9	<u>2.95</u>	<u>2.44</u>	<u>3.69</u>	<u>3.25</u>	<u>90.31</u>	<u>66.09</u>
10	<u>2.99</u>	<u>2.41</u>	<u>4.13</u>	<u>3.29</u>	<u>102.57</u>	<u>66.09</u>
Average	<u>2.93</u>	<u>2.44</u>	<u>3.79</u>	<u>3.42</u>	<u>92.24</u>	<u>70.12</u>
Std. Dev.	<u>0.042</u>	<u>0.059</u>	<u>0.284</u>	<u>0.402</u>	<u>8.095</u>	<u>10.648</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER H

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
Specimen Number						
1	<u>2.26</u>	<u>2.19</u>	<u>2.41</u>	<u>2.39</u>	<u>41.73</u>	<u>39.68</u>
2	<u>2.16</u>	<u>2.21</u>	<u>1.84</u>	<u>2.68</u>	<u>29.76</u>	<u>46.25</u>
3	<u>2.35</u>	<u>2.15</u>	<u>2.51</u>	<u>2.46</u>	<u>44.94</u>	<u>40.27</u>
4	<u>2.31</u>	<u>2.07</u>	<u>2.14</u>	<u>2.22</u>	<u>37.35</u>	<u>34.87</u>
5	<u>2.19</u>	<u>2.18</u>	<u>1.81</u>	<u>2.72</u>	<u>29.62</u>	<u>45.67</u>
6	<u>2.37</u>	<u>2.15</u>	<u>2.46</u>	<u>2.70</u>	<u>44.50</u>	<u>45.08</u>
7	<u>2.38</u>	<u>2.12</u>	<u>2.50</u>	<u>2.46</u>	<u>45.37</u>	<u>40.12</u>
8	<u>2.40</u>	<u>2.18</u>	<u>2.45</u>	<u>2.76</u>	<u>44.50</u>	<u>46.25</u>
9	<u>2.19</u>	<u>2.07</u>	<u>1.73</u>	<u>2.32</u>	<u>28.01</u>	<u>36.62</u>
10	<u>2.37</u>	<u>2.10</u>	<u>2.54</u>	<u>2.49</u>	<u>46.10</u>	<u>39.83</u>
Average	<u>2.30</u>	<u>2.14</u>	<u>2.24</u>	<u>2.52</u>	<u>39.19</u>	<u>41.46</u>
Std. Dev.	<u>0.090</u>	<u>0.049</u>	<u>0.328</u>	<u>0.186</u>	<u>7.384</u>	<u>4.117</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER HAging Time: 9 days

Sheet #	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
Specimen Number						
1	<u>1.93</u>	<u>2.18</u>	<u>2.23</u>	<u>3.01</u>	<u>33.27</u>	<u>51.94</u>
2	<u>1.89</u>	<u>2.11</u>	<u>2.05</u>	<u>2.57</u>	<u>29.76</u>	<u>43.04</u>
3	<u>1.84</u>	<u>2.13</u>	<u>1.91</u>	<u>2.66</u>	<u>27.14</u>	<u>45.52</u>
4	<u>1.94</u>	<u>2.12</u>	<u>2.28</u>	<u>2.79</u>	<u>33.70</u>	<u>46.69</u>
5	<u>2.00</u>	<u>2.10</u>	<u>2.52</u>	<u>2.69</u>	<u>38.66</u>	<u>44.35</u>
6	<u>1.98</u>	<u>2.04</u>	<u>2.42</u>	<u>2.28</u>	<u>36.91</u>	<u>36.91</u>
7	<u>2.03</u>	<u>2.07</u>	<u>2.70</u>	<u>2.36</u>	<u>43.77</u>	<u>37.93</u>
8	<u>2.02</u>	<u>2.06</u>	<u>2.81</u>	<u>2.43</u>	<u>43.92</u>	<u>39.83</u>
9	<u>2.04</u>	<u>2.10</u>	<u>2.77</u>	<u>2.40</u>	<u>45.23</u>	<u>39.54</u>
10	<u>2.01</u>	<u>2.04</u>	<u>2.70</u>	<u>2.13</u>	<u>41.87</u>	<u>32.83</u>
Average	<u>1.97</u>	<u>2.09</u>	<u>2.44</u>	<u>2.53</u>	<u>37.42</u>	<u>41.86</u>
Std. Dev.	<u>0.065</u>	<u>0.047</u>	<u>0.315</u>	<u>0.263</u>	<u>6.330</u>	<u>5.547</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER H

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
Specimen Number						
1	<u>1.89</u>	<u>2.07</u>	<u>2.19</u>	<u>2.72</u>	<u>32.10</u>	<u>43.92</u>
2	<u>2.00</u>	<u>2.11</u>	<u>2.85</u>	<u>2.85</u>	<u>44.94</u>	<u>48.29</u>
3	<u>1.76</u>	<u>2.03</u>	<u>2.54</u>	<u>2.46</u>	<u>38.96</u>	<u>39.98</u>
4	<u>2.04</u>	<u>1.89</u>	<u>3.26</u>	<u>1.82</u>	<u>54.86</u>	<u>26.70</u>
5	<u>1.87</u>	<u>2.06</u>	<u>2.02</u>	<u>2.70</u>	<u>28.74</u>	<u>44.06</u>
6	<u>2.00</u>	<u>1.98</u>	<u>2.79</u>	<u>2.14</u>	<u>44.65</u>	<u>32.24</u>
7	<u>1.99</u>	<u>2.08</u>	<u>2.81</u>	<u>2.63</u>	<u>44.94</u>	<u>44.35</u>
8	<u>2.02</u>	<u>2.03</u>	<u>3.05</u>	<u>2.47</u>	<u>50.34</u>	<u>39.10</u>
9	<u>2.06</u>	<u>2.07</u>	<u>3.45</u>	<u>2.78</u>	<u>57.78</u>	<u>45.67</u>
10	<u>2.03</u>	<u>2.12</u>	<u>3.26</u>	<u>2.89</u>	<u>53.55</u>	<u>48.15</u>
Average	<u>1.97</u>	<u>2.04</u>	<u>2.82</u>	<u>2.55</u>	<u>45.08</u>	<u>41.25</u>
Std. Dev.	<u>0.096</u>	<u>0.068</u>	<u>0.466</u>	<u>0.339</u>	<u>9.599</u>	<u>6.995</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER K

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
Specimen Number						
1	<u>3.87</u>	<u>3.78</u>	<u>3.94</u>	<u>3.75</u>	<u>119.05</u>	<u>110.15</u>
2	<u>3.77</u>	<u>3.60</u>	<u>3.69</u>	<u>3.16</u>	<u>107.24</u>	<u>87.98</u>
3	<u>3.41</u>	<u>3.86</u>	<u>2.52</u>	<u>4.05</u>	<u>64.63</u>	<u>124.02</u>
4	<u>3.58</u>	<u>3.73</u>	<u>3.04</u>	<u>3.66</u>	<u>83.02</u>	<u>107.24</u>
5	<u>3.72</u>	<u>3.63</u>	<u>3.48</u>	<u>3.13</u>	<u>102.57</u>	<u>87.69</u>
6	<u>3.67</u>	<u>3.87</u>	<u>3.16</u>	<u>4.16</u>	<u>89.14</u>	<u>126.20</u>
7	<u>3.80</u>	<u>3.77</u>	<u>3.63</u>	<u>3.69</u>	<u>107.09</u>	<u>108.26</u>
8	<u>3.72</u>	<u>3.73</u>	<u>3.39</u>	<u>3.44</u>	<u>97.17</u>	<u>101.40</u>
9	<u>3.63</u>	<u>3.80</u>	<u>2.99</u>	<u>3.64</u>	<u>83.45</u>	<u>107.24</u>
10	<u>3.82</u>	<u>3.76</u>	<u>3.70</u>	<u>3.58</u>	<u>111.18</u>	<u>104.76</u>
Average	<u>3.70</u>	<u>3.75</u>	<u>3.35</u>	<u>3.63</u>	<u>96.45</u>	<u>106.49</u>
Std. Dev.	<u>0.135</u>	<u>0.086</u>	<u>0.426</u>	<u>0.331</u>	<u>16.365</u>	<u>12.643</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER K

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
<u>Specimen Number</u>						
1	<u>3.80</u>	<u>3.89</u>	<u>3.63</u>	<u>3.87</u>	<u>107.09</u>	<u>116.72</u>
2	<u>3.83</u>	<u>3.92</u>	<u>3.84</u>	<u>3.79</u>	<u>114.24</u>	<u>115.12</u>
3	<u>3.84</u>	<u>3.93</u>	<u>3.90</u>	<u>3.82</u>	<u>116.14</u>	<u>116.28</u>
4	<u>3.81</u>	<u>3.81</u>	<u>3.80</u>	<u>3.44</u>	<u>113.95</u>	<u>101.55</u>
5	<u>3.76</u>	<u>3.65</u>	<u>3.50</u>	<u>3.05</u>	<u>101.55</u>	<u>85.79</u>
6	<u>3.78</u>	<u>3.90</u>	<u>3.67</u>	<u>3.80</u>	<u>108.70</u>	<u>114.09</u>
7	<u>3.67</u>	<u>3.93</u>	<u>3.21</u>	<u>3.86</u>	<u>91.19</u>	<u>119.20</u>
8	<u>3.71</u>	<u>3.75</u>	<u>3.39</u>	<u>3.40</u>	<u>97.61</u>	<u>97.46</u>
9	<u>3.85</u>	<u>3.81</u>	<u>3.84</u>	<u>3.62</u>	<u>115.55</u>	<u>108.70</u>
10	<u>3.72</u>	<u>3.99</u>	<u>3.53</u>	<u>3.96</u>	<u>101.69</u>	<u>122.26</u>
Average	<u>3.78</u>	<u>3.86</u>	<u>3.63</u>	<u>3.66</u>	<u>106.77</u>	<u>109.72</u>
Std. Dev.	<u>0.060</u>	<u>0.103</u>	<u>0.224</u>	<u>0.284</u>	<u>8.536</u>	<u>11.442</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER K

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
<u>Specimen Number</u>						
1	<u>3.78</u>	<u>3.68</u>	<u>3.18</u>	<u>3.45</u>	<u>101.84</u>	<u>90.17</u>
2	<u>3.67</u>	<u>3.71</u>	<u>3.73</u>	<u>3.10</u>	<u>87.69</u>	<u>96.73</u>
3	<u>3.86</u>	<u>3.90</u>	<u>3.78</u>	<u>3.75</u>	<u>112.34</u>	<u>114.97</u>
4	<u>3.82</u>	<u>3.79</u>	<u>3.58</u>	<u>3.57</u>	<u>105.34</u>	<u>105.19</u>
5	<u>3.89</u>	<u>3.93</u>	<u>4.03</u>	<u>3.85</u>	<u>116.14</u>	<u>123.29</u>
6	<u>3.86</u>	<u>3.81</u>	<u>3.53</u>	<u>3.86</u>	<u>115.70</u>	<u>103.15</u>
7	<u>3.78</u>	<u>3.83</u>	<u>3.38</u>	<u>3.62</u>	<u>106.36</u>	<u>99.21</u>
8	<u>3.74</u>	<u>3.74</u>	<u>3.11</u>	<u>3.36</u>	<u>96.59</u>	<u>88.56</u>
9	<u>3.79</u>	<u>3.68</u>	<u>2.39</u>	<u>3.51</u>	<u>103.59</u>	<u>63.76</u>
10	<u>3.81</u>	<u>3.90</u>	<u>3.75</u>	<u>3.62</u>	<u>106.94</u>	<u>112.20</u>
Average	<u>3.80</u>	<u>3.45</u>	<u>3.45</u>	<u>3.57</u>	<u>105.25</u>	<u>99.72</u>
Std. Dev.	<u>0.094</u>	<u>0.466</u>	<u>0.466</u>	<u>0.232</u>	<u>8.693</u>	<u>16.678</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER M

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
Specimen Number						
1	<u>2.57</u>	<u>2.85</u>	<u>1.02</u>	<u>1.13</u>	<u>15.90</u>	<u>19.84</u>
2	<u>2.52</u>	<u>2.94</u>	<u>0.89</u>	<u>1.13</u>	<u>13.42</u>	<u>20.28</u>
3	<u>2.82</u>	<u>2.84</u>	<u>1.02</u>	<u>1.04</u>	<u>17.36</u>	<u>17.65</u>
4	<u>2.70</u>	<u>2.86</u>	<u>0.91</u>	<u>1.17</u>	<u>14.59</u>	<u>20.72</u>
5	<u>2.83</u>	<u>2.74</u>	<u>0.98</u>	<u>1.14</u>	<u>16.78</u>	<u>18.97</u>
6	<u>2.66</u>	<u>2.96</u>	<u>0.86</u>	<u>1.14</u>	<u>13.57</u>	<u>20.72</u>
7	<u>2.98</u>	<u>2.68</u>	<u>1.08</u>	<u>1.08</u>	<u>19.55</u>	<u>17.65</u>
8	<u>2.89</u>	<u>2.65</u>	<u>0.99</u>	<u>1.12</u>	<u>17.36</u>	<u>18.09</u>
9	<u>2.82</u>	<u>2.77</u>	<u>1.02</u>	<u>1.07</u>	<u>17.80</u>	<u>18.09</u>
10	<u>2.64</u>	<u>2.51</u>	<u>0.98</u>	<u>0.99</u>	<u>15.32</u>	<u>15.03</u>
Average	<u>2.74</u>	<u>2.78</u>	<u>0.98</u>	<u>1.10</u>	<u>16.17</u>	<u>18.70</u>
Std. Dev.	<u>0.147</u>	<u>0.141</u>	<u>0.068</u>	<u>0.055</u>	<u>1.969</u>	<u>1.777</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER M

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
<u>Specimen Number</u>						
1	<u>2.59</u>	<u>2.65</u>	<u>0.98</u>	<u>1.00</u>	<u>15.03</u>	<u>16.19</u>
2	<u>2.76</u>	<u>2.80</u>	<u>1.15</u>	<u>1.17</u>	<u>19.55</u>	<u>20.28</u>
3	<u>2.81</u>	<u>2.68</u>	<u>1.18</u>	<u>1.14</u>	<u>20.43</u>	<u>18.68</u>
4	<u>2.70</u>	<u>2.67</u>	<u>1.11</u>	<u>1.11</u>	<u>18.38</u>	<u>18.24</u>
5	<u>2.62</u>	<u>2.61</u>	<u>1.01</u>	<u>1.01</u>	<u>16.05</u>	<u>15.90</u>
6	<u>2.51</u>	<u>2.56</u>	<u>0.91</u>	<u>1.02</u>	<u>13.42</u>	<u>15.90</u>
7	<u>2.77</u>	<u>2.42</u>	<u>1.01</u>	<u>0.92</u>	<u>16.78</u>	<u>13.13</u>
8	<u>2.92</u>	<u>2.78</u>	<u>1.18</u>	<u>1.12</u>	<u>21.01</u>	<u>16.49</u>
9	<u>2.89</u>	<u>2.47</u>	<u>1.17</u>	<u>0.96</u>	<u>20.43</u>	<u>14.01</u>
10	<u>3.04</u>	<u>2.62</u>	<u>1.16</u>	<u>1.06</u>	<u>21.74</u>	<u>16.92</u>
Average	<u>2.76</u>	<u>2.63</u>	<u>1.09</u>	<u>1.05</u>	<u>18.28</u>	<u>16.57</u>
Std. Dev.	<u>0.162</u>	<u>0.120</u>	<u>0.099</u>	<u>0.082</u>	<u>2.822</u>	<u>2.122</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER M

Aging Time: 9 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>4</u>	<u>6</u>
Specimen Number						
1	<u>2.85</u>	<u>2.67</u>	<u>1.10</u>	<u>1.00</u>	<u>19.11</u>	<u>15.76</u>
2	<u>2.96</u>	<u>2.52</u>	<u>1.13</u>	<u>0.93</u>	<u>20.57</u>	<u>13.86</u>
3	<u>3.00</u>	<u>2.63</u>	<u>1.15</u>	<u>1.00</u>	<u>21.01</u>	<u>15.32</u>
4	<u>2.84</u>	<u>2.52</u>	<u>1.06</u>	<u>0.93</u>	<u>18.38</u>	<u>14.01</u>
5	<u>2.81</u>	<u>2.49</u>	<u>1.13</u>	<u>0.92</u>	<u>19.40</u>	<u>13.57</u>
6	<u>2.92</u>	<u>2.69</u>	<u>0.12</u>	<u>1.06</u>	<u>22.32</u>	<u>17.36</u>
7	<u>2.71</u>	<u>2.49</u>	<u>1.08</u>	<u>0.97</u>	<u>17.95</u>	<u>14.59</u>
8	<u>2.67</u>	<u>2.48</u>	<u>1.09</u>	<u>0.92</u>	<u>17.80</u>	<u>13.57</u>
9	<u>2.69</u>	<u>2.48</u>	<u>1.17</u>	<u>0.91</u>	<u>19.26</u>	<u>13.28</u>
10	<u>2.47</u>	<u>2.54</u>	<u>0.97</u>	<u>0.91</u>	<u>14.59</u>	<u>13.71</u>
Average	<u>2.79</u>	<u>2.55</u>	<u>1.00</u>	<u>0.96</u>	<u>19.04</u>	<u>14.50</u>
Std. Dev.	<u>0.158</u>	<u>0.080</u>	<u>0.313</u>	<u>0.051</u>	<u>2.112</u>	<u>1.289</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER G

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
Specimen Number						
1	<u>2.89</u>	<u>2.59</u>	<u>3.89</u>	<u>3.81</u>	<u>95.00</u>	<u>82.73</u>
2	<u>2.99</u>	<u>2.49</u>	<u>4.76</u>	<u>3.49</u>	<u>118.66</u>	<u>71.64</u>
3	<u>2.87</u>	<u>2.45</u>	<u>3.77</u>	<u>3.13</u>	<u>90.15</u>	<u>63.47</u>
4	<u>2.83</u>	<u>2.60</u>	<u>3.82</u>	<u>4.25</u>	<u>90.49</u>	<u>95.27</u>
5	<u>2.88</u>	<u>2.63</u>	<u>4.09</u>	<u>4.46</u>	<u>98.72</u>	<u>99.94</u>
6	<u>2.86</u>	<u>2.59</u>	<u>3.85</u>	<u>4.17</u>	<u>91.64</u>	<u>91.04</u>
7	<u>2.81</u>	<u>2.58</u>	<u>3.47</u>	<u>3.86</u>	<u>82.73</u>	<u>83.02</u>
8	<u>2.77</u>	<u>2.59</u>	<u>3.05</u>	<u>4.01</u>	<u>70.72</u>	<u>85.50</u>
9	<u>2.90</u>	<u>2.61</u>	<u>4.08</u>	<u>4.11</u>	<u>102.22</u>	<u>89.29</u>
10	<u>2.86</u>	<u>2.54</u>	<u>3.68</u>	<u>3.41</u>	<u>86.71</u>	<u>71.64</u>
Average	<u>2.87</u>	<u>2.57</u>	<u>3.85</u>	<u>3.87</u>	<u>92.70</u>	<u>83.35</u>
Std. Dev.	<u>0.060</u>	<u>0.058</u>	<u>0.442</u>	<u>0.417</u>	<u>12.636</u>	<u>11.483</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER G

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
Specimen Number						
1	<u>2.80</u>	<u>2.93</u>	<u>4.54</u>	<u>3.71</u>	<u>106.22</u>	<u>90.90</u>
2	<u>2.79</u>	<u>2.94</u>	<u>4.22</u>	<u>4.06</u>	<u>98.19</u>	<u>100.38</u>
3	<u>2.73</u>	<u>2.89</u>	<u>4.03</u>	<u>3.64</u>	<u>91.63</u>	<u>86.52</u>
4	<u>2.76</u>	<u>2.97</u>	<u>4.23</u>	<u>4.11</u>	<u>97.02</u>	<u>101.11</u>
5	<u>2.69</u>	<u>2.96</u>	<u>3.95</u>	<u>4.00</u>	<u>88.71</u>	<u>99.21</u>
6	<u>2.74</u>	<u>2.91</u>	<u>4.06</u>	<u>3.60</u>	<u>92.06</u>	<u>86.37</u>
7	<u>2.72</u>	<u>2.95</u>	<u>3.56</u>	<u>3.86</u>	<u>80.83</u>	<u>94.11</u>
8	<u>2.77</u>	<u>2.92</u>	<u>3.86</u>	<u>3.83</u>	<u>89.58</u>	<u>91.63</u>
9	<u>2.80</u>	<u>2.90</u>	<u>4.41</u>	<u>3.62</u>	<u>105.05</u>	<u>85.50</u>
10	<u>2.79</u>	<u>2.87</u>	<u>4.28</u>	<u>3.49</u>	<u>99.94</u>	<u>82.14</u>
Average	<u>2.76</u>	<u>2.93</u>	<u>4.11</u>	<u>3.79</u>	<u>94.92</u>	<u>91.79</u>
Std. Dev.	<u>0.037</u>	<u>0.031</u>	<u>0.285</u>	<u>0.213</u>	<u>7.854</u>	<u>6.764</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER G

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
<u>Specimen Number</u>						
1	<u>2.74</u>	<u>2.79</u>	<u>4.23</u>	<u>4.19</u>	<u>99.36</u>	<u>98.92</u>
2	<u>2.61</u>	<u>2.67</u>	<u>3.45</u>	<u>3.21</u>	<u>74.99</u>	<u>72.22</u>
3	<u>2.65</u>	<u>2.68</u>	<u>3.58</u>	<u>3.61</u>	<u>78.49</u>	<u>83.75</u>
4	<u>2.60</u>	<u>2.77</u>	<u>3.38</u>	<u>4.17</u>	<u>73.68</u>	<u>97.75</u>
5	<u>2.63</u>	<u>2.69</u>	<u>3.56</u>	<u>3.75</u>	<u>79.66</u>	<u>84.62</u>
6	<u>2.65</u>	<u>2.79</u>	<u>3.81</u>	<u>4.36</u>	<u>85.21</u>	<u>102.42</u>
7	<u>2.50</u>	<u>2.75</u>	<u>3.38</u>	<u>4.04</u>	<u>70.62</u>	<u>93.08</u>
8	<u>2.52</u>	<u>2.73</u>	<u>3.43</u>	<u>3.95</u>	<u>71.35</u>	<u>90.90</u>
9	<u>2.51</u>	<u>2.72</u>	<u>3.42</u>	<u>3.76</u>	<u>71.78</u>	<u>85.06</u>
10	<u>2.50</u>	<u>2.77</u>	<u>3.49</u>	<u>4.24</u>	<u>72.80</u>	<u>98.19</u>
Average	<u>2.59</u>	<u>2.74</u>	<u>3.57</u>	<u>3.93</u>	<u>77.79</u>	<u>90.69</u>
Std. Dev.	<u>0.082</u>	<u>0.045</u>	<u>0.264</u>	<u>0.350</u>	<u>8.837</u>	<u>9.280</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER H

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
Specimen Number						
1	<u>2.24</u>	<u>2.11</u>	<u>2.58</u>	<u>2.51</u>	<u>44.35</u>	<u>41.00</u>
2	<u>2.00</u>	<u>2.09</u>	<u>1.60</u>	<u>2.46</u>	<u>23.49</u>	<u>39.10</u>
3	<u>2.21</u>	<u>2.10</u>	<u>2.39</u>	<u>2.46</u>	<u>40.12</u>	<u>39.83</u>
4	<u>2.25</u>	<u>2.02</u>	<u>2.54</u>	<u>2.00</u>	<u>43.77</u>	<u>30.06</u>
5	<u>2.22</u>	<u>2.11</u>	<u>2.53</u>	<u>2.34</u>	<u>43.33</u>	<u>37.50</u>
6	<u>2.13</u>	<u>2.13</u>	<u>2.17</u>	<u>2.43</u>	<u>34.29</u>	<u>39.83</u>
7	<u>2.14</u>	<u>2.12</u>	<u>2.30</u>	<u>2.29</u>	<u>37.64</u>	<u>37.06</u>
8	<u>2.20</u>	<u>2.10</u>	<u>2.40</u>	<u>2.15</u>	<u>40.12</u>	<u>33.99</u>
9	<u>2.07</u>	<u>2.23</u>	<u>1.86</u>	<u>2.52</u>	<u>28.60</u>	<u>43.62</u>
10	<u>2.16</u>	<u>2.13</u>	<u>2.18</u>	<u>2.19</u>	<u>36.48</u>	<u>35.31</u>
Average	<u>2.16</u>	<u>2.11</u>	<u>2.26</u>	<u>2.34</u>	<u>37.22</u>	<u>37.73</u>
Std. Dev.	<u>0.080</u>	<u>0.051</u>	<u>0.317</u>	<u>0.175</u>	<u>6.833</u>	<u>3.878</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER H

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
<u>Specimen Number</u>						
1	<u>2.01</u>	<u>2.05</u>	<u>2.93</u>	<u>3.19</u>	<u>46.98</u>	<u>52.09</u>
2	<u>1.96</u>	<u>1.89</u>	<u>2.75</u>	<u>2.19</u>	<u>42.31</u>	<u>31.51</u>
3	<u>1.85</u>	<u>2.00</u>	<u>2.04</u>	<u>2.61</u>	<u>30.20</u>	<u>41.14</u>
4	<u>1.93</u>	<u>1.89</u>	<u>2.52</u>	<u>2.10</u>	<u>37.50</u>	<u>31.08</u>
5	<u>1.92</u>	<u>1.97</u>	<u>2.23</u>	<u>2.63</u>	<u>33.85</u>	<u>39.83</u>
6	<u>2.09</u>	<u>2.01</u>	<u>3.20</u>	<u>2.54</u>	<u>52.23</u>	<u>40.41</u>
7	<u>1.99</u>	<u>1.96</u>	<u>2.48</u>	<u>2.18</u>	<u>38.96</u>	<u>32.39</u>
8	<u>2.02</u>	<u>2.08</u>	<u>2.60</u>	<u>2.73</u>	<u>41.14</u>	<u>44.65</u>
9	<u>2.01</u>	<u>2.03</u>	<u>2.63</u>	<u>2.44</u>	<u>42.02</u>	<u>37.79</u>
10	<u>2.09</u>	<u>2.02</u>	<u>3.08</u>	<u>2.67</u>	<u>50.77</u>	<u>41.58</u>
Average	<u>1.99</u>	<u>1.99</u>	<u>2.65</u>	<u>2.53</u>	<u>41.60</u>	<u>39.25</u>
Std. Dev.	<u>0.075</u>	<u>0.061</u>	<u>0.361</u>	<u>0.324</u>	<u>6.999</u>	<u>6.502</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER H

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
Specimen Number						
1	<u>2.06</u>	<u>2.21</u>	<u>2.41</u>	<u>2.15</u>	<u>38.23</u>	<u>36.18</u>
2	<u>2.09</u>	<u>2.16</u>	<u>2.57</u>	<u>2.03</u>	<u>41.44</u>	<u>33.56</u>
3	<u>2.02</u>	<u>2.26</u>	<u>2.34</u>	<u>2.47</u>	<u>36.18</u>	<u>42.46</u>
4	<u>2.05</u>	<u>2.22</u>	<u>2.45</u>	<u>1.99</u>	<u>38.66</u>	<u>33.27</u>
5	<u>2.04</u>	<u>2.33</u>	<u>2.31</u>	<u>2.60</u>	<u>35.31</u>	<u>47.86</u>
6	<u>2.05</u>	<u>2.20</u>	<u>2.43</u>	<u>1.97</u>	<u>38.37</u>	<u>32.68</u>
7	<u>2.11</u>	<u>2.18</u>	<u>2.92</u>	<u>1.86</u>	<u>48.15</u>	<u>30.78</u>
8	<u>1.76</u>	<u>2.29</u>	<u>1.27</u>	<u>2.31</u>	<u>15.47</u>	<u>40.12</u>
9	<u>1.95</u>	<u>2.40</u>	<u>1.80</u>	<u>2.81</u>	<u>25.82</u>	<u>52.96</u>
10	<u>2.11</u>	<u>2.35</u>	<u>2.65</u>	<u>2.57</u>	<u>43.48</u>	<u>47.42</u>
Average	<u>2.02</u>	<u>2.26</u>	<u>2.32</u>	<u>2.28</u>	<u>36.11</u>	<u>39.73</u>
Std. Dev.	<u>0.105</u>	<u>0.079</u>	<u>0.464</u>	<u>0.323</u>	<u>9.287</u>	<u>7.674</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER K

Aging Time: 12 days

Sheet #	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
Specimen Number						
1	<u>3.82</u>	<u>3.73</u>	<u>3.71</u>	<u>3.71</u>	<u>109.86</u>	<u>106.94</u>
2	<u>3.82</u>	<u>3.77</u>	<u>3.63</u>	<u>3.84</u>	<u>106.07</u>	<u>112.34</u>
3	<u>3.74</u>	<u>3.63</u>	<u>3.24</u>	<u>3.45</u>	<u>92.65</u>	<u>97.61</u>
4	<u>3.76</u>	<u>3.70</u>	<u>3.38</u>	<u>3.88</u>	<u>96.59</u>	<u>112.20</u>
5	<u>3.74</u>	<u>3.56</u>	<u>3.36</u>	<u>3.31</u>	<u>96.29</u>	<u>90.60</u>
6	<u>3.80</u>	<u>3.69</u>	<u>3.52</u>	<u>3.79</u>	<u>102.28</u>	<u>107.97</u>
7	<u>3.76</u>	<u>3.46</u>	<u>3.39</u>	<u>2.96</u>	<u>99.07</u>	<u>79.66</u>
8	<u>3.78</u>	<u>3.65</u>	<u>3.37</u>	<u>3.60</u>	<u>98.63</u>	<u>102.42</u>
9	<u>3.80</u>	<u>3.73</u>	<u>3.35</u>	<u>3.76</u>	<u>98.48</u>	<u>109.13</u>
10	<u>3.84</u>	<u>3.78</u>	<u>3.68</u>	<u>4.03</u>	<u>109.86</u>	<u>118.91</u>
Average	<u>3.78</u>	<u>3.67</u>	<u>3.46</u>	<u>3.63</u>	<u>100.98</u>	<u>103.78</u>
Std. Dev.	<u>0.034</u>	<u>0.099</u>	<u>0.161</u>	<u>0.316</u>	<u>5.883</u>	<u>11.664</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER K

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
<u>Specimen Number</u>						
1	<u>3.90</u>	<u>3.87</u>	<u>3.91</u>	<u>3.70</u>	<u>118.91</u>	<u>109.57</u>
2	<u>3.94</u>	<u>3.86</u>	<u>4.12</u>	<u>3.75</u>	<u>125.58</u>	<u>111.03</u>
3	<u>3.34</u>	<u>3.76</u>	<u>2.18</u>	<u>3.27</u>	<u>55.00</u>	<u>93.52</u>
4	<u>3.85</u>	<u>3.68</u>	<u>3.92</u>	<u>3.12</u>	<u>116.57</u>	<u>88.12</u>
5	<u>3.94</u>	<u>3.83</u>	<u>4.09</u>	<u>3.56</u>	<u>124.60</u>	<u>104.76</u>
6	<u>3.91</u>	<u>3.84</u>	<u>3.84</u>	<u>3.68</u>	<u>115.55</u>	<u>109.86</u>
7	<u>3.95</u>	<u>3.86</u>	<u>3.94</u>	<u>3.77</u>	<u>119.64</u>	<u>112.20</u>
8	<u>3.87</u>	<u>3.82</u>	<u>3.71</u>	<u>3.58</u>	<u>110.74</u>	<u>104.76</u>
9	<u>3.91</u>	<u>3.84</u>	<u>4.09</u>	<u>3.63</u>	<u>125.33</u>	<u>106.80</u>
10	<u>3.91</u>	<u>3.73</u>	<u>4.04</u>	<u>3.32</u>	<u>124.45</u>	<u>96.29</u>
Average	<u>3.85</u>	<u>3.81</u>	<u>3.78</u>	<u>3.54</u>	<u>113.64</u>	<u>103.69</u>
Std. Dev.	<u>0.182</u>	<u>0.063</u>	<u>0.578</u>	<u>0.224</u>	<u>21.183</u>	<u>8.241</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER K

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
Specimen Number						
1	<u>3.67</u>	<u>3.77</u>	<u>3.04</u>	<u>3.18</u>	<u>89.12</u>	<u>88.49</u>
2	<u>3.65</u>	<u>3.80</u>	<u>3.31</u>	<u>3.03</u>	<u>86.12</u>	<u>97.33</u>
3	<u>3.81</u>	<u>3.86</u>	<u>3.59</u>	<u>3.51</u>	<u>103.43</u>	<u>107.15</u>
4	<u>3.82</u>	<u>3.87</u>	<u>3.60</u>	<u>3.57</u>	<u>106.01</u>	<u>108.18</u>
5	<u>3.68</u>	<u>3.92</u>	<u>3.68</u>	<u>3.07</u>	<u>86.72</u>	<u>112.18</u>
6	<u>3.92</u>	<u>3.83</u>	<u>3.22</u>	<u>3.81</u>	<u>115.51</u>	<u>94.92</u>
7	<u>3.75</u>	<u>3.79</u>	<u>3.04</u>	<u>3.11</u>	<u>89.64</u>	<u>88.53</u>
8	<u>3.78</u>	<u>3.82</u>	<u>3.16</u>	<u>3.10</u>	<u>89.73</u>	<u>93.92</u>
9	<u>3.90</u>	<u>3.92</u>	<u>3.48</u>	<u>3.48</u>	<u>104.09</u>	<u>106.16</u>
10	<u>3.84</u>	<u>3.87</u>	<u>3.17</u>	<u>3.31</u>	<u>97.64</u>	<u>93.99</u>
Average	<u>3.84</u>	<u>3.33</u>	<u>3.33</u>	<u>3.32</u>	<u>96.80</u>	<u>99.09</u>
Std. Dev.	<u>0.053</u>	<u>0.241</u>	<u>0.241</u>	<u>0.263</u>	<u>10.047</u>	<u>8.603</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER M

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
Specimen Number						
1	<u>2.77</u>	<u>2.89</u>	<u>1.10</u>	<u>1.21</u>	<u>18.24</u>	<u>21.59</u>
2	<u>2.79</u>	<u>2.58</u>	<u>1.14</u>	<u>1.02</u>	<u>19.55</u>	<u>15.90</u>
3	<u>2.88</u>	<u>2.70</u>	<u>1.22</u>	<u>1.05</u>	<u>21.74</u>	<u>16.92</u>
4	<u>2.84</u>	<u>2.63</u>	<u>1.20</u>	<u>1.04</u>	<u>21.01</u>	<u>16.34</u>
5	<u>2.77</u>	<u>2.64</u>	<u>1.10</u>	<u>1.07</u>	<u>18.53</u>	<u>17.22</u>
6	<u>2.69</u>	<u>2.55</u>	<u>1.04</u>	<u>1.07</u>	<u>16.63</u>	<u>16.78</u>
7	<u>2.19</u>	<u>2.77</u>	<u>0.78</u>	<u>1.09</u>	<u>9.78</u>	<u>18.53</u>
8	<u>2.67</u>	<u>2.74</u>	<u>1.07</u>	<u>1.02</u>	<u>17.36</u>	<u>17.07</u>
9	<u>2.84</u>	<u>2.96</u>	<u>1.20</u>	<u>1.16</u>	<u>21.01</u>	<u>20.86</u>
10	<u>2.61</u>	<u>2.75</u>	<u>1.19</u>	<u>1.09</u>	<u>19.11</u>	<u>18.09</u>
Average	<u>2.70</u>	<u>2.72</u>	<u>1.10</u>	<u>1.08</u>	<u>18.30</u>	<u>17.93</u>
Std. Dev.	<u>0.200</u>	<u>0.131</u>	<u>0.129</u>	<u>0.061</u>	<u>3.418</u>	<u>1.904</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER M

Aging Time: 12 days

Sheet #	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
Specimen Number						
1	<u>2.88</u>	<u>2.65</u>	<u>1.13</u>	<u>1.01</u>	<u>19.84</u>	<u>15.90</u>
2	<u>2.74</u>	<u>2.64</u>	<u>1.09</u>	<u>1.05</u>	<u>17.95</u>	<u>16.78</u>
3	<u>2.62</u>	<u>2.61</u>	<u>1.02</u>	<u>1.04</u>	<u>16.05</u>	<u>16.49</u>
4	<u>2.69</u>	<u>2.52</u>	<u>1.14</u>	<u>1.02</u>	<u>18.82</u>	<u>15.47</u>
5	<u>2.59</u>	<u>2.42</u>	<u>1.00</u>	<u>0.94</u>	<u>15.32</u>	<u>13.57</u>
6	<u>2.78</u>	<u>2.42</u>	<u>1.18</u>	<u>0.91</u>	<u>20.13</u>	<u>12.84</u>
7	<u>2.59</u>	<u>2.44</u>	<u>1.02</u>	<u>0.89</u>	<u>16.05</u>	<u>12.84</u>
8	<u>2.57</u>	<u>2.69</u>	<u>1.05</u>	<u>1.04</u>	<u>16.49</u>	<u>16.92</u>
9	<u>2.58</u>	<u>2.30</u>	<u>1.05</u>	<u>0.80</u>	<u>16.19</u>	<u>10.80</u>
10	<u>2.61</u>	<u>2.73</u>	<u>1.13</u>	<u>1.01</u>	<u>18.09</u>	<u>16.19</u>
Average	<u>2.67</u>	<u>2.54</u>	<u>1.08</u>	<u>0.97</u>	<u>17.49</u>	<u>14.78</u>
Std. Dev.	<u>0.105</u>	<u>0.143</u>	<u>0.062</u>	<u>0.083</u>	<u>1.713</u>	<u>2.111</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER M

Aging Time: 12 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>	<u>9</u>	<u>14</u>
<u>Specimen Number</u>						
1	<u>2.43</u>	<u>2.80</u>	<u>1.03</u>	<u>1.12</u>	<u>15.03</u>	<u>18.82</u>
2	<u>2.49</u>	<u>2.62</u>	<u>0.99</u>	<u>1.00</u>	<u>14.59</u>	<u>15.61</u>
3	<u>2.32</u>	<u>2.77</u>	<u>0.87</u>	<u>1.07</u>	<u>11.82</u>	<u>17.80</u>
4	<u>2.68</u>	<u>2.92</u>	<u>1.04</u>	<u>1.18</u>	<u>16.78</u>	<u>20.86</u>
5	<u>2.49</u>	<u>2.66</u>	<u>0.97</u>	<u>1.03</u>	<u>14.44</u>	<u>16.49</u>
6	<u>2.53</u>	<u>2.57</u>	<u>1.02</u>	<u>1.01</u>	<u>15.47</u>	<u>15.61</u>
7	<u>2.36</u>	<u>2.89</u>	<u>0.95</u>	<u>1.16</u>	<u>13.42</u>	<u>20.57</u>
8	<u>2.48</u>	<u>2.69</u>	<u>0.92</u>	<u>1.02</u>	<u>13.42</u>	<u>16.34</u>
9	<u>2.54</u>	<u>2.82</u>	<u>0.97</u>	<u>1.11</u>	<u>14.88</u>	<u>18.97</u>
10	<u>2.65</u>	<u>2.95</u>	<u>0.99</u>	<u>1.19</u>	<u>15.76</u>	<u>21.30</u>
Average	<u>2.50</u>	<u>2.77</u>	<u>0.98</u>	<u>1.09</u>	<u>14.56</u>	<u>18.24</u>
Std. Dev.	<u>0.112</u>	<u>0.131</u>	<u>0.052</u>	<u>0.073</u>	<u>1.399</u>	<u>2.192</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER G

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>2.75</u>	<u>2.49</u>	<u>3.66</u>	<u>2.67</u>	<u>84.33</u>	<u>64.63</u>
2	<u>2.77</u>	<u>2.46</u>	<u>4.08</u>	<u>3.37</u>	<u>94.69</u>	<u>67.26</u>
3	<u>2.77</u>	<u>2.53</u>	<u>4.10</u>	<u>3.64</u>	<u>99.36</u>	<u>76.01</u>
4	<u>2.79</u>	<u>2.39</u>	<u>4.33</u>	<u>2.98</u>	<u>101.69</u>	<u>58.94</u>
5	<u>2.76</u>	<u>2.44</u>	<u>3.91</u>	<u>3.33</u>	<u>90.31</u>	<u>68.43</u>
6	<u>2.81</u>	<u>2.49</u>	<u>4.28</u>	<u>3.61</u>	<u>100.67</u>	<u>74.70</u>
7	<u>2.76</u>	<u>2.46</u>	<u>3.99</u>	<u>3.59</u>	<u>91.92</u>	<u>73.39</u>
8	<u>2.75</u>	<u>2.41</u>	<u>3.89</u>	<u>2.99</u>	<u>89.58</u>	<u>60.40</u>
9	<u>2.82</u>	<u>2.44</u>	<u>4.17</u>	<u>3.32</u>	<u>98.19</u>	<u>69.89</u>
10	<u>2.85</u>	<u>2.42</u>	<u>4.44</u>	<u>3.00</u>	<u>105.92</u>	<u>58.94</u>
Average	<u>2.78</u>	<u>2.45</u>	<u>4.09</u>	<u>3.25</u>	<u>95.67</u>	<u>67.26</u>
Std. Dev.	<u>0.032</u>	<u>0.042</u>	<u>0.233</u>	<u>0.327</u>	<u>6.631</u>	<u>6.412</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER G

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>2.50</u>	<u>2.91</u>	<u>3.37</u>	<u>3.78</u>	<u>69.74</u>	<u>90.46</u>
2	<u>2.52</u>	<u>2.99</u>	<u>3.72</u>	<u>4.08</u>	<u>78.79</u>	<u>103.59</u>
3	<u>2.51</u>	<u>2.87</u>	<u>3.62</u>	<u>3.20</u>	<u>76.60</u>	<u>77.47</u>
4	<u>2.53</u>	<u>2.94</u>	<u>3.79</u>	<u>3.80</u>	<u>82.00</u>	<u>91.92</u>
5	<u>2.44</u>	<u>2.96</u>	<u>3.09</u>	<u>4.06</u>	<u>60.84</u>	<u>100.96</u>
6	<u>2.49</u>	<u>2.91</u>	<u>3.49</u>	<u>3.58</u>	<u>71.78</u>	<u>89.58</u>
7	<u>2.53</u>	<u>2.98</u>	<u>3.69</u>	<u>4.21</u>	<u>77.18</u>	<u>105.63</u>
8	<u>2.49</u>	<u>2.88</u>	<u>3.43</u>	<u>3.45</u>	<u>71.20</u>	<u>82.00</u>
9	<u>2.44</u>	<u>2.93</u>	<u>3.20</u>	<u>3.81</u>	<u>65.22</u>	<u>93.08</u>
10	<u>2.44</u>	<u>2.90</u>	<u>3.34</u>	<u>3.79</u>	<u>67.70</u>	<u>91.19</u>
Average	<u>2.49</u>	<u>2.93</u>	<u>3.47</u>	<u>3.78</u>	<u>72.10</u>	<u>92.59</u>
Std. Dev.	<u>0.036</u>	<u>0.041</u>	<u>0.231</u>	<u>0.305</u>	<u>6.572</u>	<u>8.933</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER G

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>2.89</u>	<u>2.73</u>	<u>3.71</u>	<u>3.70</u>	<u>88.56</u>	<u>86.37</u>
2	<u>2.93</u>	<u>2.71</u>	<u>4.04</u>	<u>3.80</u>	<u>100.53</u>	<u>87.54</u>
3	<u>2.84</u>	<u>2.66</u>	<u>3.37</u>	<u>3.30</u>	<u>78.35</u>	<u>74.55</u>
4	<u>2.89</u>	<u>2.69</u>	<u>3.62</u>	<u>3.54</u>	<u>88.42</u>	<u>78.93</u>
5	<u>2.78</u>	<u>2.76</u>	<u>3.06</u>	<u>4.11</u>	<u>70.18</u>	<u>94.84</u>
6	<u>2.94</u>	<u>2.75</u>	<u>4.18</u>	<u>3.88</u>	<u>103.01</u>	<u>91.77</u>
7	<u>2.89</u>	<u>2.69</u>	<u>3.91</u>	<u>3.32</u>	<u>94.40</u>	<u>73.83</u>
8	<u>2.84</u>	<u>2.65</u>	<u>3.46</u>	<u>3.17</u>	<u>82.14</u>	<u>69.16</u>
9	<u>2.94</u>	<u>2.62</u>	<u>3.97</u>	<u>2.92</u>	<u>98.04</u>	<u>63.17</u>
10	<u>2.87</u>	<u>2.68</u>	<u>4.10</u>	<u>3.69</u>	<u>98.34</u>	<u>83.31</u>
Average	<u>2.88</u>	<u>2.69</u>	<u>3.74</u>	<u>3.54</u>	<u>90.20</u>	<u>80.35</u>
Std. Dev.	<u>0.050</u>	<u>0.044</u>	<u>0.363</u>	<u>0.363</u>	<u>10.688</u>	<u>10.195</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER H

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>2.06</u>	<u>2.10</u>	<u>2.40</u>	<u>2.40</u>	<u>38.96</u>	<u>37.93</u>
2	<u>2.03</u>	<u>2.06</u>	<u>2.47</u>	<u>2.21</u>	<u>38.52</u>	<u>34.58</u>
3	<u>2.05</u>	<u>2.06</u>	<u>2.48</u>	<u>2.42</u>	<u>39.10</u>	<u>37.64</u>
4	<u>2.11</u>	<u>2.13</u>	<u>2.75</u>	<u>2.72</u>	<u>44.79</u>	<u>44.94</u>
5	<u>2.05</u>	<u>2.06</u>	<u>2.41</u>	<u>2.44</u>	<u>40.56</u>	<u>38.37</u>
6	<u>2.09</u>	<u>2.11</u>	<u>2.46</u>	<u>2.65</u>	<u>39.68</u>	<u>43.48</u>
7	<u>2.05</u>	<u>2.13</u>	<u>2.35</u>	<u>2.63</u>	<u>37.79</u>	<u>43.04</u>
8	<u>2.09</u>	<u>2.19</u>	<u>2.43</u>	<u>2.80</u>	<u>38.66</u>	<u>47.86</u>
9	<u>2.04</u>	<u>2.07</u>	<u>2.27</u>	<u>2.16</u>	<u>35.16</u>	<u>33.99</u>
10	<u>2.10</u>	<u>2.04</u>	<u>2.65</u>	<u>2.14</u>	<u>43.19</u>	<u>33.41</u>
Average	<u>2.07</u>	<u>2.09</u>	<u>2.47</u>	<u>2.46</u>	<u>39.64</u>	<u>39.52</u>
Std. Dev.	<u>0.028</u>	<u>0.049</u>	<u>0.140</u>	<u>0.238</u>	<u>2.717</u>	<u>5.017</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER H

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>2.15</u>	<u>2.06</u>	<u>2.64</u>	<u>2.59</u>	<u>44.79</u>	<u>41.58</u>
2	<u>2.14</u>	<u>2.02</u>	<u>2.58</u>	<u>2.20</u>	<u>43.19</u>	<u>33.56</u>
3	<u>2.13</u>	<u>2.04</u>	<u>2.54</u>	<u>2.37</u>	<u>42.17</u>	<u>37.64</u>
4	<u>2.08</u>	<u>2.01</u>	<u>2.24</u>	<u>2.23</u>	<u>36.91</u>	<u>34.14</u>
5	<u>2.17</u>	<u>2.00</u>	<u>2.63</u>	<u>2.24</u>	<u>44.35</u>	<u>34.29</u>
6	<u>1.96</u>	<u>2.00</u>	<u>1.50</u>	<u>2.45</u>	<u>21.16</u>	<u>38.37</u>
7	<u>2.26</u>	<u>2.08</u>	<u>2.87</u>	<u>2.73</u>	<u>51.79</u>	<u>44.21</u>
8	<u>2.15</u>	<u>2.07</u>	<u>2.22</u>	<u>2.52</u>	<u>36.62</u>	<u>40.85</u>
9	<u>2.17</u>	<u>2.07</u>	<u>2.70</u>	<u>2.51</u>	<u>45.37</u>	<u>40.27</u>
10	<u>2.11</u>	<u>1.96</u>	<u>2.45</u>	<u>2.09</u>	<u>39.98</u>	<u>30.78</u>
Average	<u>2.13</u>	<u>2.03</u>	<u>2.44</u>	<u>2.39</u>	<u>40.63</u>	<u>37.57</u>
Std. Dev.	<u>0.077</u>	<u>0.040</u>	<u>0.384</u>	<u>0.201</u>	<u>8.143</u>	<u>4.263</u>

WEI T'ō ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER H

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>1.98</u>	<u>2.09</u>	<u>2.24</u>	<u>3.43</u>	<u>34.14</u>	<u>58.07</u>
2	<u>2.01</u>	<u>1.95</u>	<u>2.52</u>	<u>2.49</u>	<u>39.98</u>	<u>37.93</u>
3	<u>1.99</u>	<u>1.97</u>	<u>2.42</u>	<u>2.61</u>	<u>38.52</u>	<u>40.41</u>
4	<u>2.03</u>	<u>2.06</u>	<u>2.74</u>	<u>2.93</u>	<u>45.67</u>	<u>47.71</u>
5	<u>2.05</u>	<u>1.95</u>	<u>2.90</u>	<u>2.38</u>	<u>47.42</u>	<u>36.91</u>
6	<u>2.05</u>	<u>1.95</u>	<u>2.82</u>	<u>2.50</u>	<u>46.40</u>	<u>38.23</u>
7	<u>1.88</u>	<u>1.98</u>	<u>1.81</u>	<u>2.64</u>	<u>25.97</u>	<u>41.14</u>
8	<u>2.11</u>	<u>2.01</u>	<u>3.04</u>	<u>2.89</u>	<u>51.79</u>	<u>47.56</u>
9	<u>2.07</u>	<u>2.04</u>	<u>2.84</u>	<u>3.22</u>	<u>46.69</u>	<u>53.25</u>
10	<u>1.91</u>	<u>1.82</u>	<u>1.91</u>	<u>2.25</u>	<u>28.60</u>	<u>31.37</u>
Average	<u>2.01</u>	<u>1.98</u>	<u>2.52</u>	<u>2.73</u>	<u>40.52</u>	<u>43.26</u>
Std. Dev.	<u>0.070</u>	<u>0.077</u>	<u>0.424</u>	<u>0.377</u>	<u>8.645</u>	<u>8.202</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER K

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>3.70</u>	<u>3.79</u>	<u>3.91</u>	<u>4.17</u>	<u>113.22</u>	<u>123.43</u>
2	<u>3.61</u>	<u>3.73</u>	<u>3.51</u>	<u>3.89</u>	<u>98.34</u>	<u>112.63</u>
3	<u>3.56</u>	<u>3.64</u>	<u>3.31</u>	<u>3.52</u>	<u>91.48</u>	<u>99.94</u>
4	<u>3.53</u>	<u>3.74</u>	<u>3.27</u>	<u>4.01</u>	<u>90.46</u>	<u>117.74</u>
5	<u>3.56</u>	<u>3.69</u>	<u>3.44</u>	<u>3.84</u>	<u>95.86</u>	<u>110.74</u>
6	<u>3.70</u>	<u>3.70</u>	<u>3.98</u>	<u>3.75</u>	<u>114.53</u>	<u>107.82</u>
7	<u>3.55</u>	<u>3.69</u>	<u>3.31</u>	<u>3.77</u>	<u>90.31</u>	<u>107.53</u>
8	<u>3.61</u>	<u>3.57</u>	<u>3.64</u>	<u>3.31</u>	<u>101.69</u>	<u>92.94</u>
9	<u>3.65</u>	<u>3.53</u>	<u>3.69</u>	<u>2.97</u>	<u>104.90</u>	<u>80.83</u>
10	<u>3.65</u>	<u>3.42</u>	<u>4.10</u>	<u>2.96</u>	<u>118.32</u>	<u>78.06</u>
Average	<u>3.61</u>	<u>3.65</u>	<u>3.62</u>	<u>3.62</u>	<u>101.91</u>	<u>103.17</u>
Std. Dev.	<u>0.064</u>	<u>0.111</u>	<u>0.300</u>	<u>0.419</u>	<u>10.485</u>	<u>15.112</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER K

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
<u>Specimen Number</u>						
1	<u>3.92</u>	<u>3.98</u>	<u>3.65</u>	<u>4.08</u>	<u>111.32</u>	<u>125.77</u>
2	<u>3.81</u>	<u>3.88</u>	<u>3.53</u>	<u>3.63</u>	<u>103.62</u>	<u>109.57</u>
3	<u>3.72</u>	<u>3.79</u>	<u>3.31</u>	<u>3.42</u>	<u>94.27</u>	<u>100.09</u>
4	<u>3.82</u>	<u>3.87</u>	<u>3.56</u>	<u>3.81</u>	<u>104.60</u>	<u>113.95</u>
5	<u>3.73</u>	<u>3.89</u>	<u>3.40</u>	<u>3.74</u>	<u>98.39</u>	<u>111.61</u>
6	<u>3.81</u>	<u>3.86</u>	<u>3.65</u>	<u>3.65</u>	<u>108.90</u>	<u>108.26</u>
7	<u>3.73</u>	<u>3.85</u>	<u>3.31</u>	<u>3.52</u>	<u>94.69</u>	<u>104.32</u>
8	<u>3.82</u>	<u>3.76</u>	<u>3.64</u>	<u>3.36</u>	<u>107.22</u>	<u>96.44</u>
9	<u>3.71</u>	<u>3.87</u>	<u>3.75</u>	<u>3.74</u>	<u>112.31</u>	<u>111.47</u>
10	<u>3.72</u>	<u>3.84</u>	<u>3.28</u>	<u>3.81</u>	<u>92.85</u>	<u>113.51</u>
Average	<u>3.78</u>	<u>3.86</u>	<u>3.51</u>	<u>3.68</u>	<u>102.82</u>	<u>109.50</u>
Std. Dev.	<u>0.068</u>	<u>0.058</u>	<u>0.170</u>	<u>0.211</u>	<u>7.309</u>	<u>8.140</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER K

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>3.83</u>	<u>3.78</u>	<u>3.66</u>	<u>3.79</u>	<u>112.49</u>	<u>106.36</u>
2	<u>3.77</u>	<u>3.72</u>	<u>3.34</u>	<u>3.64</u>	<u>107.24</u>	<u>96.29</u>
3	<u>3.81</u>	<u>3.82</u>	<u>3.59</u>	<u>3.78</u>	<u>109.28</u>	<u>106.36</u>
4	<u>3.66</u>	<u>3.87</u>	<u>3.97</u>	<u>3.94</u>	<u>116.14</u>	<u>118.91</u>
5	<u>3.70</u>	<u>3.76</u>	<u>3.75</u>	<u>3.39</u>	<u>95.42</u>	<u>108.99</u>
6	<u>3.70</u>	<u>3.83</u>	<u>3.92</u>	<u>3.52</u>	<u>99.50</u>	<u>115.99</u>
7	<u>3.59</u>	<u>3.76</u>	<u>3.71</u>	<u>3.20</u>	<u>87.69</u>	<u>108.84</u>
8	<u>3.62</u>	<u>3.73</u>	<u>3.59</u>	<u>3.38</u>	<u>93.67</u>	<u>104.32</u>
9	<u>3.61</u>	<u>3.78</u>	<u>3.72</u>	<u>3.35</u>	<u>92.65</u>	<u>108.40</u>
10	<u>3.71</u>	<u>3.76</u>	<u>3.83</u>	<u>4.03</u>	<u>115.70</u>	<u>111.03</u>
Average	<u>3.78</u>	<u>3.71</u>	<u>3.71</u>	<u>3.60</u>	<u>102.98</u>	<u>108.55</u>
Std. Dev.	<u>0.048</u>	<u>0.181</u>	<u>0.181</u>	<u>0.277</u>	<u>10.434</u>	<u>6.208</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER M

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
Specimen Number						
1	<u>2.66</u>	<u>2.63</u>	<u>1.03</u>	<u>1.04</u>	<u>16.49</u>	<u>16.63</u>
2	<u>2.73</u>	<u>2.57</u>	<u>1.01</u>	<u>1.00</u>	<u>16.49</u>	<u>15.47</u>
3	<u>2.88</u>	<u>2.22</u>	<u>1.07</u>	<u>0.75</u>	<u>18.82</u>	<u>9.78</u>
4	<u>2.82</u>	<u>2.86</u>	<u>0.98</u>	<u>1.09</u>	<u>20.28</u>	<u>19.11</u>
5	<u>2.90</u>	<u>2.63</u>	<u>1.06</u>	<u>1.07</u>	<u>18.53</u>	<u>17.07</u>
6	<u>2.94</u>	<u>2.64</u>	<u>1.06</u>	<u>1.01</u>	<u>18.82</u>	<u>16.05</u>
7	<u>2.79</u>	<u>2.68</u>	<u>0.93</u>	<u>0.99</u>	<u>15.47</u>	<u>15.90</u>
8	<u>2.81</u>	<u>2.81</u>	<u>1.01</u>	<u>1.13</u>	<u>16.92</u>	<u>19.55</u>
9	<u>2.63</u>	<u>2.69</u>	<u>0.91</u>	<u>0.99</u>	<u>13.86</u>	<u>15.90</u>
10	<u>2.50</u>	<u>2.39</u>	<u>0.94</u>	<u>0.89</u>	<u>14.01</u>	<u>12.69</u>
Average	<u>2.77</u>	<u>2.61</u>	<u>1.00</u>	<u>1.00</u>	<u>16.97</u>	<u>15.82</u>
Std. Dev.	<u>0.138</u>	<u>0.187</u>	<u>0.058</u>	<u>0.109</u>	<u>2.145</u>	<u>2.858</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER M

Aging Time: 18 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
<u>Specimen Number</u>						
1	<u>2.72</u>	<u>2.63</u>	<u>1.02</u>	<u>0.95</u>	<u>16.63</u>	<u>14.88</u>
2	<u>2.75</u>	<u>2.71</u>	<u>1.08</u>	<u>1.01</u>	<u>17.80</u>	<u>16.49</u>
3	<u>2.75</u>	<u>2.58</u>	<u>1.10</u>	<u>0.98</u>	<u>18.24</u>	<u>15.17</u>
4	<u>2.65</u>	<u>2.69</u>	<u>1.07</u>	<u>1.07</u>	<u>17.07</u>	<u>17.51</u>
5	<u>2.53</u>	<u>2.43</u>	<u>1.02</u>	<u>0.97</u>	<u>15.32</u>	<u>13.86</u>
6	<u>2.75</u>	<u>2.49</u>	<u>1.11</u>	<u>1.02</u>	<u>18.53</u>	<u>15.32</u>
7	<u>2.73</u>	<u>2.50</u>	<u>1.02</u>	<u>1.01</u>	<u>16.63</u>	<u>15.03</u>
8	<u>2.76</u>	<u>2.61</u>	<u>1.07</u>	<u>1.08</u>	<u>17.65</u>	<u>16.92</u>
9	<u>2.76</u>	<u>2.50</u>	<u>1.10</u>	<u>0.97</u>	<u>18.24</u>	<u>14.59</u>
10	<u>2.64</u>	<u>2.31</u>	<u>1.05</u>	<u>0.86</u>	<u>16.63</u>	<u>11.67</u>
Average	<u>2.70</u>	<u>2.55</u>	<u>1.06</u>	<u>0.99</u>	<u>17.27</u>	<u>15.14</u>
Std. Dev.	<u>0.074</u>	<u>0.123</u>	<u>0.035</u>	<u>0.063</u>	<u>0.997</u>	<u>1.656</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER M

Aging Time: 18 days

<u>Sheet #</u>	<u>Tensile Strength, kN/M</u>		<u>Stretch, %</u>		<u>TEA, J/sq M</u>	
	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>5</u>
<u>Specimen Number</u>						
1	<u>3.04</u>	<u>2.77</u>	<u>1.12</u>	<u>1.11</u>	<u>20.57</u>	<u>18.68</u>
2	<u>2.86</u>	<u>2.80</u>	<u>1.11</u>	<u>1.14</u>	<u>19.11</u>	<u>19.40</u>
3	<u>2.83</u>	<u>2.95</u>	<u>1.03</u>	<u>1.16</u>	<u>17.65</u>	<u>20.86</u>
4	<u>2.87</u>	<u>2.72</u>	<u>1.10</u>	<u>1.06</u>	<u>19.11</u>	<u>17.51</u>
5	<u>2.75</u>	<u>2.71</u>	<u>1.13</u>	<u>1.04</u>	<u>18.97</u>	<u>17.07</u>
6	<u>2.82</u>	<u>2.78</u>	<u>1.24</u>	<u>1.14</u>	<u>21.59</u>	<u>19.40</u>
7	<u>2.53</u>	<u>2.80</u>	<u>1.05</u>	<u>1.13</u>	<u>15.76</u>	<u>19.40</u>
8	<u>2.47</u>	<u>2.75</u>	<u>0.99</u>	<u>1.09</u>	<u>14.59</u>	<u>18.09</u>
9	<u>2.31</u>	<u>2.89</u>	<u>0.97</u>	<u>1.16</u>	<u>13.28</u>	<u>20.28</u>
10	<u>2.28</u>	<u>2.89</u>	<u>1.03</u>	<u>1.12</u>	<u>14.01</u>	<u>19.40</u>
Average	<u>2.68</u>	<u>2.81</u>	<u>1.08</u>	<u>1.12</u>	<u>17.46</u>	<u>19.01</u>
Std. Dev.	<u>0.258</u>	<u>0.080</u>	<u>0.080</u>	<u>0.041</u>	<u>2.889</u>	<u>1.185</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER G

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
<u>Specimen Number</u>						
1	<u>2.58</u>	<u>2.76</u>	<u>3.92</u>	<u>3.63</u>	<u>86.81</u>	<u>85.06</u>
2	<u>2.50</u>	<u>2.70</u>	<u>3.16</u>	<u>6.43</u>	<u>68.72</u>	<u>79.81</u>
3	<u>2.55</u>	<u>2.77</u>	<u>3.77</u>	<u>3.75</u>	<u>80.97</u>	<u>88.27</u>
4	<u>2.55</u>	<u>2.77</u>	<u>3.83</u>	<u>3.96</u>	<u>82.29</u>	<u>91.33</u>
5	<u>2.52</u>	<u>2.77</u>	<u>3.56</u>	<u>3.94</u>	<u>74.41</u>	<u>90.75</u>
6	<u>2.52</u>	<u>2.62</u>	<u>3.53</u>	<u>2.71</u>	<u>72.51</u>	<u>57.19</u>
7	<u>2.50</u>	<u>2.74</u>	<u>3.55</u>	<u>3.57</u>	<u>73.24</u>	<u>82.14</u>
8	<u>2.44</u>	<u>2.78</u>	<u>3.06</u>	<u>3.72</u>	<u>61.42</u>	<u>86.81</u>
9	<u>2.47</u>	<u>2.79</u>	<u>3.02</u>	<u>4.24</u>	<u>65.07</u>	<u>101.98</u>
10	<u>2.43</u>	<u>2.67</u>	<u>3.02</u>	<u>3.56</u>	<u>61.42</u>	<u>79.37</u>
Average	<u>2.51</u>	<u>2.74</u>	<u>3.44</u>	<u>3.95</u>	<u>72.69</u>	<u>84.27</u>
Std. Dev.	<u>0.049</u>	<u>0.056</u>	<u>0.350</u>	<u>0.958</u>	<u>8.763</u>	<u>11.597</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER G

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
Specimen Number						
1	<u>2.88</u>	<u>2.52</u>	<u>4.01</u>	<u>3.65</u>	<u>94.98</u>	<u>77.62</u>
2	<u>2.78</u>	<u>2.51</u>	<u>3.27</u>	<u>3.74</u>	<u>75.72</u>	<u>78.35</u>
3	<u>2.79</u>	<u>2.44</u>	<u>3.33</u>	<u>3.37</u>	<u>77.47</u>	<u>71.05</u>
4	<u>2.72</u>	<u>2.51</u>	<u>2.74</u>	<u>3.92</u>	<u>60.84</u>	<u>81.70</u>
5	<u>2.82</u>	<u>2.53</u>	<u>3.64</u>	<u>4.00</u>	<u>86.23</u>	<u>85.21</u>
6	<u>2.83</u>	<u>2.43</u>	<u>3.61</u>	<u>2.86</u>	<u>84.33</u>	<u>56.76</u>
7	<u>2.75</u>	<u>2.51</u>	<u>2.87</u>	<u>3.73</u>	<u>66.38</u>	<u>79.52</u>
8	<u>2.82</u>	<u>2.51</u>	<u>3.54</u>	<u>3.66</u>	<u>83.31</u>	<u>76.45</u>
9	<u>2.79</u>	<u>2.44</u>	<u>3.12</u>	<u>2.98</u>	<u>71.49</u>	<u>61.72</u>
10	<u>2.71</u>	<u>2.52</u>	<u>3.04</u>	<u>4.10</u>	<u>67.41</u>	<u>88.71</u>
Average	<u>2.79</u>	<u>2.49</u>	<u>3.32</u>	<u>3.60</u>	<u>76.82</u>	<u>75.71</u>
Std. Dev.	<u>0.053</u>	<u>0.040</u>	<u>0.390</u>	<u>0.414</u>	<u>10.539</u>	<u>9.986</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER G

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
Specimen Number						
1	<u>2.84</u>	<u>2.80</u>	<u>4.58</u>	<u>3.12</u>	<u>108.11</u>	<u>71.64</u>
2	<u>2.75</u>	<u>2.83</u>	<u>4.31</u>	<u>3.50</u>	<u>99.07</u>	<u>82.58</u>
3	<u>2.53</u>	<u>2.79</u>	<u>3.12</u>	<u>3.14</u>	<u>65.80</u>	<u>71.64</u>
4	<u>2.69</u>	<u>2.93</u>	<u>3.50</u>	<u>4.14</u>	<u>67.70</u>	<u>103.44</u>
5	<u>2.77</u>	<u>2.87</u>	<u>4.23</u>	<u>3.41</u>	<u>99.36</u>	<u>80.97</u>
6	<u>2.72</u>	<u>2.84</u>	<u>4.00</u>	<u>3.50</u>	<u>93.23</u>	<u>81.70</u>
7	<u>2.77</u>	<u>2.82</u>	<u>4.32</u>	<u>3.34</u>	<u>101.55</u>	<u>76.89</u>
8	<u>2.66</u>	<u>2.89</u>	<u>3.56</u>	<u>3.74</u>	<u>80.97</u>	<u>91.33</u>
9	<u>2.63</u>	<u>2.76</u>	<u>3.30</u>	<u>2.84</u>	<u>72.95</u>	<u>63.76</u>
10	<u>2.62</u>	<u>2.89</u>	<u>3.63</u>	<u>3.92</u>	<u>79.66</u>	<u>95.86</u>
Average	<u>2.70</u>	<u>2.84</u>	<u>3.86</u>	<u>3.47</u>	<u>86.84</u>	<u>81.98</u>
Std. Dev.	<u>0.091</u>	<u>0.053</u>	<u>0.497</u>	<u>0.391</u>	<u>15.289</u>	<u>12.083</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER H

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
Specimen Number						
1	<u>2.11</u>	<u>2.01</u>	<u>2.03</u>	<u>2.16</u>	<u>33.44</u>	<u>32.97</u>
2	<u>2.03</u>	<u>2.01</u>	<u>1.77</u>	<u>2.08</u>	<u>26.41</u>	<u>31.66</u>
3	<u>2.13</u>	<u>1.89</u>	<u>2.07</u>	<u>1.70</u>	<u>32.83</u>	<u>23.49</u>
4	<u>2.18</u>	<u>2.05</u>	<u>2.50</u>	<u>2.17</u>	<u>42.31</u>	<u>34.58</u>
5	<u>2.07</u>	<u>1.95</u>	<u>2.05</u>	<u>1.95</u>	<u>31.66</u>	<u>28.30</u>
6	<u>2.02</u>	<u>2.03</u>	<u>1.84</u>	<u>2.31</u>	<u>27.43</u>	<u>36.04</u>
7	<u>2.04</u>	<u>1.98</u>	<u>2.05</u>	<u>1.95</u>	<u>32.10</u>	<u>28.74</u>
8	<u>2.06</u>	<u>2.08</u>	<u>2.10</u>	<u>2.39</u>	<u>33.12</u>	<u>38.52</u>
9	<u>2.03</u>	<u>2.16</u>	<u>1.78</u>	<u>2.74</u>	<u>26.55</u>	<u>45.67</u>
10	<u>2.07</u>	<u>2.04</u>	<u>2.09</u>	<u>2.35</u>	<u>32.68</u>	<u>37.06</u>
Average	<u>2.08</u>	<u>2.02</u>	<u>2.03</u>	<u>2.18</u>	<u>31.85</u>	<u>33.70</u>
Std. Dev.	<u>0.051</u>	<u>0.072</u>	<u>0.210</u>	<u>0.289</u>	<u>4.625</u>	<u>6.205</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER H

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
Specimen Number						
1	<u>1.93</u>	<u>2.07</u>	<u>2.24</u>	<u>2.11</u>	<u>33.99</u>	<u>33.99</u>
2	<u>1.90</u>	<u>2.14</u>	<u>2.11</u>	<u>2.44</u>	<u>31.66</u>	<u>40.12</u>
3	<u>1.91</u>	<u>2.14</u>	<u>2.10</u>	<u>2.52</u>	<u>30.35</u>	<u>43.04</u>
4	<u>2.02</u>	<u>2.06</u>	<u>2.62</u>	<u>2.14</u>	<u>42.60</u>	<u>34.29</u>
5	<u>1.93</u>	<u>2.08</u>	<u>2.02</u>	<u>2.35</u>	<u>29.47</u>	<u>38.52</u>
6	<u>2.06</u>	<u>2.06</u>	<u>2.78</u>	<u>2.15</u>	<u>45.52</u>	<u>33.70</u>
7	<u>2.12</u>	<u>2.01</u>	<u>3.08</u>	<u>1.75</u>	<u>51.36</u>	<u>26.12</u>
8	<u>1.87</u>	<u>2.22</u>	<u>1.77</u>	<u>2.68</u>	<u>24.66</u>	<u>46.10</u>
9	<u>1.98</u>	<u>2.17</u>	<u>2.30</u>	<u>2.33</u>	<u>34.58</u>	<u>39.39</u>
10	<u>1.97</u>	<u>2.07</u>	<u>2.54</u>	<u>2.23</u>	<u>39.39</u>	<u>35.02</u>
Average	<u>1.97</u>	<u>2.10</u>	<u>2.36</u>	<u>2.27</u>	<u>36.36</u>	<u>37.03</u>
Std. Dev.	<u>0.078</u>	<u>0.063</u>	<u>0.395</u>	<u>0.258</u>	<u>8.222</u>	<u>5.645</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER H

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
Specimen Number						
1	<u>2.12</u>	<u>1.87</u>	<u>2.48</u>	<u>1.71</u>	<u>42.75</u>	<u>23.64</u>
2	<u>2.03</u>	<u>1.91</u>	<u>2.09</u>	<u>2.00</u>	<u>32.39</u>	<u>28.16</u>
3	<u>2.05</u>	<u>1.91</u>	<u>2.29</u>	<u>2.05</u>	<u>36.18</u>	<u>30.20</u>
4	<u>2.06</u>	<u>1.94</u>	<u>2.29</u>	<u>2.15</u>	<u>36.48</u>	<u>31.81</u>
5	<u>2.11</u>	<u>1.96</u>	<u>2.68</u>	<u>2.27</u>	<u>44.50</u>	<u>34.72</u>
6	<u>2.15</u>	<u>2.00</u>	<u>2.58</u>	<u>2.64</u>	<u>43.62</u>	<u>41.87</u>
7	<u>2.08</u>	<u>2.03</u>	<u>2.35</u>	<u>2.60</u>	<u>38.08</u>	<u>41.58</u>
8	<u>2.02</u>	<u>1.97</u>	<u>2.07</u>	<u>2.15</u>	<u>32.39</u>	<u>32.24</u>
9	<u>2.08</u>	<u>2.00</u>	<u>2.42</u>	<u>2.40</u>	<u>39.54</u>	<u>37.50</u>
10	<u>2.10</u>	<u>1.84</u>	<u>2.80</u>	<u>1.82</u>	<u>47.27</u>	<u>25.82</u>
Average	<u>2.08</u>	<u>1.94</u>	<u>2.41</u>	<u>2.18</u>	<u>39.32</u>	<u>32.75</u>
Std. Dev.	<u>0.041</u>	<u>0.062</u>	<u>0.238</u>	<u>0.307</u>	<u>5.120</u>	<u>6.213</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER K

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
<u>Specimen Number</u>						
1	<u>3.75</u>	<u>3.74</u>	<u>3.18</u>	<u>3.28</u>	<u>92.21</u>	<u>94.54</u>
2	<u>3.86</u>	<u>3.72</u>	<u>3.55</u>	<u>3.18</u>	<u>106.80</u>	<u>91.04</u>
3	<u>3.91</u>	<u>3.78</u>	<u>3.65</u>	<u>3.41</u>	<u>111.91</u>	<u>99.94</u>
4	<u>3.86</u>	<u>3.58</u>	<u>3.52</u>	<u>2.81</u>	<u>105.05</u>	<u>76.31</u>
5	<u>3.89</u>	<u>3.67</u>	<u>3.67</u>	<u>3.13</u>	<u>110.88</u>	<u>88.42</u>
6	<u>3.81</u>	<u>3.78</u>	<u>3.43</u>	<u>3.52</u>	<u>102.42</u>	<u>103.30</u>
7	<u>3.87</u>	<u>3.74</u>	<u>3.65</u>	<u>3.34</u>	<u>108.84</u>	<u>96.88</u>
8	<u>3.77</u>	<u>3.88</u>	<u>3.35</u>	<u>3.88</u>	<u>98.04</u>	<u>118.62</u>
9	<u>3.81</u>	<u>3.89</u>	<u>3.36</u>	<u>3.91</u>	<u>98.63</u>	<u>118.47</u>
10	<u>3.84</u>	<u>3.80</u>	<u>3.78</u>	<u>3.76</u>	<u>115.12</u>	<u>110.74</u>
Average	<u>3.84</u>	<u>3.76</u>	<u>3.51</u>	<u>3.42</u>	<u>104.99</u>	<u>99.82</u>
Std. Dev.	<u>0.052</u>	<u>0.092</u>	<u>0.183</u>	<u>0.352</u>	<u>7.164</u>	<u>13.454</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER K

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
Specimen Number						
1	<u>3.68</u>	<u>3.57</u>	<u>3.60</u>	<u>3.33</u>	<u>104.46</u>	<u>93.81</u>
2	<u>3.58</u>	<u>3.65</u>	<u>3.30</u>	<u>3.67</u>	<u>91.19</u>	<u>104.76</u>
3	<u>3.64</u>	<u>3.60</u>	<u>3.65</u>	<u>3.38</u>	<u>106.51</u>	<u>95.27</u>
4	<u>3.63</u>	<u>3.73</u>	<u>3.62</u>	<u>3.82</u>	<u>102.28</u>	<u>111.32</u>
5	<u>3.30</u>	<u>3.62</u>	<u>2.35</u>	<u>3.42</u>	<u>59.82</u>	<u>96.44</u>
6	<u>3.55</u>	<u>3.68</u>	<u>3.21</u>	<u>3.58</u>	<u>86.96</u>	<u>103.30</u>
7	<u>3.46</u>	<u>3.78</u>	<u>2.91</u>	<u>3.93</u>	<u>77.47</u>	<u>117.45</u>
8	<u>3.58</u>	<u>3.73</u>	<u>3.19</u>	<u>3.74</u>	<u>90.02</u>	<u>112.49</u>
9	<u>3.72</u>	<u>3.62</u>	<u>3.81</u>	<u>3.34</u>	<u>112.20</u>	<u>94.25</u>
10	<u>3.66</u>	<u>3.61</u>	<u>3.74</u>	<u>3.51</u>	<u>106.65</u>	<u>98.92</u>
Average	<u>3.58</u>	<u>3.66</u>	<u>3.34</u>	<u>3.57</u>	<u>93.76</u>	<u>102.80</u>
Std. Dev.	<u>0.124</u>	<u>0.067</u>	<u>0.451</u>	<u>0.212</u>	<u>16.124</u>	<u>8.506</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER K

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
<u>Specimen Number</u>						
1	<u>3.61</u>	<u>3.60</u>	<u>3.61</u>	<u>3.66</u>	<u>102.13</u>	<u>102.86</u>
2	<u>3.65</u>	<u>3.50</u>	<u>3.71</u>	<u>3.17</u>	<u>106.36</u>	<u>85.94</u>
3	<u>3.66</u>	<u>3.62</u>	<u>3.67</u>	<u>3.64</u>	<u>103.88</u>	<u>103.15</u>
4	<u>3.60</u>	<u>3.66</u>	<u>3.43</u>	<u>3.88</u>	<u>97.17</u>	<u>112.05</u>
5	<u>3.82</u>	<u>3.67</u>	<u>3.75</u>	<u>4.09</u>	<u>111.76</u>	<u>119.20</u>
6	<u>3.53</u>	<u>3.56</u>	<u>3.22</u>	<u>3.56</u>	<u>88.12</u>	<u>99.94</u>
7	<u>3.65</u>	<u>3.64</u>	<u>3.60</u>	<u>3.77</u>	<u>103.15</u>	<u>107.24</u>
8	<u>3.69</u>	<u>3.61</u>	<u>3.83</u>	<u>3.86</u>	<u>111.32</u>	<u>109.57</u>
9	<u>3.71</u>	<u>3.51</u>	<u>3.98</u>	<u>3.34</u>	<u>115.99</u>	<u>91.63</u>
10	<u>3.60</u>	<u>3.55</u>	<u>3.77</u>	<u>3.86</u>	<u>104.76</u>	<u>107.53</u>
Average	<u>3.59</u>	<u>3.66</u>	<u>3.66</u>	<u>3.68</u>	<u>104.46</u>	<u>103.91</u>
Std. Dev.	<u>0.060</u>	<u>0.213</u>	<u>0.213</u>	<u>0.273</u>	<u>7.920</u>	<u>9.705</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER M

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
Specimen Number						
1	<u>2.44</u>	<u>2.27</u>	<u>0.96</u>	<u>0.74</u>	<u>14.01</u>	<u>9.92</u>
2	<u>2.69</u>	<u>2.30</u>	<u>1.11</u>	<u>0.80</u>	<u>18.24</u>	<u>10.65</u>
3	<u>2.62</u>	<u>2.67</u>	<u>1.11</u>	<u>0.97</u>	<u>17.95</u>	<u>15.17</u>
4	<u>2.60</u>	<u>2.58</u>	<u>0.97</u>	<u>0.91</u>	<u>15.03</u>	<u>13.86</u>
5	<u>2.27</u>	<u>2.42</u>	<u>0.77</u>	<u>0.83</u>	<u>10.21</u>	<u>11.67</u>
6	<u>2.73</u>	<u>2.60</u>	<u>1.15</u>	<u>0.89</u>	<u>19.11</u>	<u>13.57</u>
7	<u>2.64</u>	<u>2.64</u>	<u>1.05</u>	<u>0.92</u>	<u>16.92</u>	<u>14.44</u>
8	<u>2.88</u>	<u>2.50</u>	<u>1.11</u>	<u>0.90</u>	<u>19.40</u>	<u>13.28</u>
9	<u>2.65</u>	<u>2.49</u>	<u>0.95</u>	<u>0.84</u>	<u>15.03</u>	<u>12.26</u>
10	<u>2.54</u>	<u>2.53</u>	<u>0.95</u>	<u>0.91</u>	<u>14.44</u>	<u>13.86</u>
Average	<u>2.61</u>	<u>2.50</u>	<u>1.01</u>	<u>0.87</u>	<u>16.03</u>	<u>12.87</u>
Std. Dev.	<u>0.166</u>	<u>0.136</u>	<u>0.115</u>	<u>0.068</u>	<u>2.842</u>	<u>1.694</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER M

Aging Time: 24 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
Specimen Number						
1	<u>1.96</u>	<u>2.78</u>	<u>0.63</u>	<u>1.08</u>	<u>7.00</u>	<u>18.53</u>
2	<u>2.50</u>	<u>2.63</u>	<u>0.89</u>	<u>1.01</u>	<u>13.28</u>	<u>16.05</u>
3	<u>2.18</u>	<u>2.60</u>	<u>0.77</u>	<u>1.01</u>	<u>9.63</u>	<u>15.76</u>
4	<u>2.45</u>	<u>2.64</u>	<u>0.94</u>	<u>1.07</u>	<u>13.57</u>	<u>16.92</u>
5	<u>2.26</u>	<u>2.67</u>	<u>0.87</u>	<u>1.05</u>	<u>11.53</u>	<u>16.63</u>
6	<u>2.49</u>	<u>2.72</u>	<u>0.98</u>	<u>1.02</u>	<u>14.59</u>	<u>16.63</u>
7	<u>2.26</u>	<u>2.81</u>	<u>0.81</u>	<u>1.09</u>	<u>10.80</u>	<u>18.82</u>
8	<u>2.44</u>	<u>2.77</u>	<u>0.91</u>	<u>1.07</u>	<u>13.28</u>	<u>17.95</u>
9	<u>2.54</u>	<u>2.66</u>	<u>0.95</u>	<u>1.03</u>	<u>14.44</u>	<u>16.34</u>
10	<u>2.38</u>	<u>2.79</u>	<u>0.89</u>	<u>1.11</u>	<u>12.55</u>	<u>18.82</u>
Average	<u>2.35</u>	<u>2.71</u>	<u>0.86</u>	<u>1.05</u>	<u>12.07</u>	<u>17.25</u>
Std. Dev.	<u>0.182</u>	<u>0.078</u>	<u>0.104</u>	<u>0.035</u>	<u>2.379</u>	<u>1.175</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER M

Aging Time: 24 days

<u>Sheet #</u>	<u>Tensile Strength, kN/M</u>		<u>Stretch, %</u>		<u>TEA, J/sq M</u>	
	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>
<u>Specimen Number</u>						
1	<u>2.62</u>	<u>2.97</u>	<u>0.97</u>	<u>1.10</u>	<u>15.17</u>	<u>20.13</u>
2	<u>2.75</u>	<u>2.98</u>	<u>1.09</u>	<u>1.11</u>	<u>18.09</u>	<u>19.99</u>
3	<u>3.00</u>	<u>2.86</u>	<u>1.22</u>	<u>1.04</u>	<u>22.32</u>	<u>17.95</u>
4	<u>3.04</u>	<u>2.88</u>	<u>1.19</u>	<u>0.98</u>	<u>22.32</u>	<u>17.07</u>
5	<u>2.75</u>	<u>3.05</u>	<u>1.04</u>	<u>1.11</u>	<u>17.36</u>	<u>20.72</u>
6	<u>2.84</u>	<u>2.86</u>	<u>1.06</u>	<u>1.06</u>	<u>18.09</u>	<u>18.24</u>
7	<u>2.77</u>	<u>2.97</u>	<u>1.16</u>	<u>1.10</u>	<u>19.55</u>	<u>19.99</u>
8	<u>2.66</u>	<u>2.73</u>	<u>1.00</u>	<u>0.98</u>	<u>15.76</u>	<u>16.05</u>
9	<u>2.46</u>	<u>2.71</u>	<u>0.90</u>	<u>0.98</u>	<u>13.13</u>	<u>15.76</u>
10	<u>2.65</u>	<u>2.85</u>	<u>0.95</u>	<u>1.12</u>	<u>15.17</u>	<u>19.70</u>
Average	<u>2.75</u>	<u>2.89</u>	<u>1.06</u>	<u>1.06</u>	<u>17.70</u>	<u>18.56</u>
Std. Dev.	<u>0.174</u>	<u>0.110</u>	<u>0.107</u>	<u>0.059</u>	<u>3.055</u>	<u>1.806</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER G

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
<u>Specimen Number</u>						
1	<u>2.64</u>	<u>2.82</u>	<u>3.62</u>	<u>3.26</u>	<u>79.52</u>	<u>75.72</u>
2	<u>2.62</u>	<u>2.76</u>	<u>3.39</u>	<u>2.78</u>	<u>74.55</u>	<u>62.59</u>
3	<u>2.59</u>	<u>2.83</u>	<u>3.45</u>	<u>3.28</u>	<u>75.58</u>	<u>76.74</u>
4	<u>2.55</u>	<u>2.79</u>	<u>3.19</u>	<u>2.95</u>	<u>67.55</u>	<u>66.09</u>
5	<u>2.51</u>	<u>2.83</u>	<u>3.15</u>	<u>3.42</u>	<u>66.82</u>	<u>81.41</u>
6	<u>2.58</u>	<u>2.88</u>	<u>3.65</u>	<u>3.70</u>	<u>77.62</u>	<u>87.69</u>
7	<u>2.51</u>	<u>2.84</u>	<u>3.16</u>	<u>3.25</u>	<u>64.93</u>	<u>76.01</u>
8	<u>2.55</u>	<u>2.89</u>	<u>3.25</u>	<u>3.47</u>	<u>68.57</u>	<u>84.04</u>
9	<u>2.59</u>	<u>2.86</u>	<u>3.46</u>	<u>3.38</u>	<u>76.01</u>	<u>79.22</u>
10	<u>2.55</u>	<u>2.84</u>	<u>3.18</u>	<u>3.54</u>	<u>66.24</u>	<u>84.33</u>
Average	<u>2.57</u>	<u>2.83</u>	<u>3.35</u>	<u>3.30</u>	<u>71.74</u>	<u>77.39</u>
Std. Dev.	<u>0.041</u>	<u>0.040</u>	<u>0.191</u>	<u>0.272</u>	<u>5.420</u>	<u>7.956</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER G

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
Specimen Number						
1	<u>2.87</u>	<u>2.76</u>	<u>3.30</u>	<u>3.35</u>	<u>78.49</u>	<u>77.62</u>
2	<u>2.85</u>	<u>2.82</u>	<u>3.28</u>	<u>4.10</u>	<u>77.62</u>	<u>98.19</u>
3	<u>2.39</u>	<u>2.56</u>	<u>1.23</u>	<u>2.28</u>	<u>20.86</u>	<u>48.58</u>
4	<u>2.78</u>	<u>2.73</u>	<u>2.92</u>	<u>3.49</u>	<u>66.53</u>	<u>82.00</u>
5	<u>2.87</u>	<u>2.65</u>	<u>3.58</u>	<u>3.06</u>	<u>86.37</u>	<u>67.84</u>
6	<u>2.88</u>	<u>2.75</u>	<u>3.35</u>	<u>3.68</u>	<u>79.95</u>	<u>84.48</u>
7	<u>2.73</u>	<u>2.77</u>	<u>2.25</u>	<u>3.54</u>	<u>50.48</u>	<u>80.39</u>
8	<u>2.83</u>	<u>2.72</u>	<u>3.02</u>	<u>3.32</u>	<u>70.91</u>	<u>74.12</u>
9	<u>2.88</u>	<u>2.74</u>	<u>3.36</u>	<u>3.33</u>	<u>81.41</u>	<u>77.47</u>
10	<u>2.71</u>	<u>2.77</u>	<u>2.50</u>	<u>3.83</u>	<u>54.86</u>	<u>88.94</u>
Average	<u>2.78</u>	<u>2.73</u>	<u>2.88</u>	<u>3.40</u>	<u>66.75</u>	<u>77.96</u>
Std. Dev.	<u>0.151</u>	<u>0.072</u>	<u>0.712</u>	<u>0.490</u>	<u>19.887</u>	<u>13.228</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER G

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
Specimen Number						
1	<u>2.70</u>	<u>2.53</u>	<u>3.83</u>	<u>4.20</u>	<u>87.83</u>	<u>89.29</u>
2	<u>2.70</u>	<u>2.42</u>	<u>3.78</u>	<u>3.77</u>	<u>84.18</u>	<u>78.79</u>
3	<u>2.71</u>	<u>2.44</u>	<u>4.13</u>	<u>3.56</u>	<u>95.71</u>	<u>73.24</u>
4	<u>2.70</u>	<u>2.52</u>	<u>4.04</u>	<u>3.72</u>	<u>92.21</u>	<u>78.49</u>
5	<u>2.66</u>	<u>2.51</u>	<u>3.51</u>	<u>4.02</u>	<u>77.18</u>	<u>86.08</u>
6	<u>2.74</u>	<u>2.43</u>	<u>4.16</u>	<u>3.41</u>	<u>95.13</u>	<u>68.57</u>
7	<u>2.72</u>	<u>2.43</u>	<u>3.67</u>	<u>3.30</u>	<u>82.73</u>	<u>67.70</u>
8	<u>2.76</u>	<u>2.45</u>	<u>3.96</u>	<u>3.76</u>	<u>91.04</u>	<u>77.47</u>
9	<u>2.70</u>	<u>2.42</u>	<u>3.40</u>	<u>3.33</u>	<u>79.52</u>	<u>66.68</u>
10	<u>2.63</u>	<u>2.28</u>	<u>3.90</u>	<u>2.46</u>	<u>83.89</u>	<u>45.52</u>
Average	<u>2.70</u>	<u>2.44</u>	<u>3.84</u>	<u>3.55</u>	<u>86.94</u>	<u>73.18</u>
Std. Dev.	<u>0.037</u>	<u>0.072</u>	<u>0.254</u>	<u>0.481</u>	<u>6.449</u>	<u>12.305</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER H

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
Specimen Number						
1	<u>2.01</u>	<u>2.09</u>	<u>1.85</u>	<u>2.09</u>	<u>28.16</u>	<u>33.56</u>
2	<u>2.06</u>	<u>2.08</u>	<u>2.14</u>	<u>2.17</u>	<u>33.12</u>	<u>34.58</u>
3	<u>2.12</u>	<u>2.13</u>	<u>2.17</u>	<u>2.25</u>	<u>34.72</u>	<u>36.77</u>
4	<u>2.16</u>	<u>1.99</u>	<u>2.28</u>	<u>1.61</u>	<u>37.50</u>	<u>23.34</u>
5	<u>2.16</u>	<u>2.11</u>	<u>2.25</u>	<u>2.16</u>	<u>37.06</u>	<u>35.16</u>
6	<u>2.10</u>	<u>2.16</u>	<u>2.00</u>	<u>2.32</u>	<u>31.22</u>	<u>38.23</u>
7	<u>2.11</u>	<u>2.11</u>	<u>2.08</u>	<u>2.21</u>	<u>33.12</u>	<u>35.16</u>
8	<u>2.11</u>	<u>2.06</u>	<u>2.17</u>	<u>2.08</u>	<u>34.87</u>	<u>32.24</u>
9	<u>2.13</u>	<u>2.09</u>	<u>2.23</u>	<u>2.07</u>	<u>35.89</u>	<u>32.10</u>
10	<u>2.07</u>	<u>2.10</u>	<u>2.21</u>	<u>2.36</u>	<u>35.60</u>	<u>37.50</u>
Average	<u>2.10</u>	<u>2.09</u>	<u>2.14</u>	<u>2.13</u>	<u>34.13</u>	<u>33.86</u>
Std. Dev.	<u>0.047</u>	<u>0.047</u>	<u>0.131</u>	<u>0.208</u>	<u>2.833</u>	<u>4.230</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER H

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
<u>Specimen Number</u>						
1	<u>2.08</u>	<u>2.11</u>	<u>2.46</u>	<u>2.37</u>	<u>39.39</u>	<u>38.23</u>
2	<u>2.02</u>	<u>2.06</u>	<u>2.31</u>	<u>2.06</u>	<u>36.04</u>	<u>32.10</u>
3	<u>1.94</u>	<u>1.94</u>	<u>2.05</u>	<u>1.61</u>	<u>30.78</u>	<u>22.76</u>
4	<u>2.22</u>	<u>1.95</u>	<u>2.76</u>	<u>1.61</u>	<u>46.10</u>	<u>23.64</u>
5	<u>2.10</u>	<u>2.05</u>	<u>2.63</u>	<u>2.09</u>	<u>43.04</u>	<u>32.68</u>
6	<u>2.01</u>	<u>2.07</u>	<u>2.26</u>	<u>2.20</u>	<u>34.72</u>	<u>35.60</u>
7	<u>2.05</u>	<u>2.09</u>	<u>2.46</u>	<u>2.15</u>	<u>39.54</u>	<u>34.29</u>
8	<u>2.00</u>	<u>2.07</u>	<u>2.23</u>	<u>1.93</u>	<u>33.99</u>	<u>29.91</u>
9	<u>2.07</u>	<u>2.13</u>	<u>2.61</u>	<u>2.29</u>	<u>41.58</u>	<u>37.64</u>
10	<u>1.97</u>	<u>2.04</u>	<u>2.27</u>	<u>2.13</u>	<u>33.99</u>	<u>33.27</u>
Average	<u>2.05</u>	<u>2.05</u>	<u>2.40</u>	<u>2.04</u>	<u>37.92</u>	<u>32.01</u>
Std. Dev.	<u>0.079</u>	<u>0.061</u>	<u>0.218</u>	<u>0.259</u>	<u>4.794</u>	<u>5.276</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER H

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
<u>Specimen Number</u>						
1	<u>2.16</u>	<u>2.02</u>	<u>2.70</u>	<u>2.52</u>	<u>45.81</u>	<u>40.27</u>
2	<u>2.07</u>	<u>1.96</u>	<u>2.27</u>	<u>2.27</u>	<u>37.50</u>	<u>34.58</u>
3	<u>2.06</u>	<u>2.00</u>	<u>2.27</u>	<u>2.60</u>	<u>36.04</u>	<u>40.71</u>
4	<u>1.95</u>	<u>1.98</u>	<u>1.71</u>	<u>2.42</u>	<u>24.80</u>	<u>38.08</u>
5	<u>2.10</u>	<u>1.84</u>	<u>2.45</u>	<u>1.77</u>	<u>40.41</u>	<u>24.51</u>
6	<u>2.13</u>	<u>1.94</u>	<u>2.44</u>	<u>2.26</u>	<u>40.71</u>	<u>33.70</u>
7	<u>2.19</u>	<u>1.94</u>	<u>2.47</u>	<u>2.29</u>	<u>41.58</u>	<u>35.02</u>
8	<u>2.15</u>	<u>1.93</u>	<u>2.50</u>	<u>2.18</u>	<u>42.89</u>	<u>33.27</u>
9	<u>2.00</u>	<u>1.85</u>	<u>1.84</u>	<u>1.93</u>	<u>27.58</u>	<u>27.72</u>
10	<u>1.99</u>	<u>1.94</u>	<u>2.16</u>	<u>2.74</u>	<u>32.39</u>	<u>42.02</u>
Average	<u>2.08</u>	<u>1.94</u>	<u>2.28</u>	<u>2.30</u>	<u>36.97</u>	<u>34.99</u>
Std. Dev.	<u>0.080</u>	<u>0.057</u>	<u>0.307</u>	<u>0.295</u>	<u>6.822</u>	<u>5.646</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER K

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
<u>Sheet #</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
<u>Specimen Number</u>						
1	<u>3.67</u>	<u>3.73</u>	<u>3.33</u>	<u>3.47</u>	<u>94.25</u>	<u>101.98</u>
2	<u>3.70</u>	<u>3.73</u>	<u>3.33</u>	<u>3.37</u>	<u>94.54</u>	<u>97.90</u>
3	<u>3.79</u>	<u>3.80</u>	<u>3.74</u>	<u>3.46</u>	<u>110.30</u>	<u>101.84</u>
4	<u>3.64</u>	<u>3.84</u>	<u>3.22</u>	<u>3.50</u>	<u>90.17</u>	<u>104.61</u>
5	<u>3.79</u>	<u>3.65</u>	<u>3.55</u>	<u>2.99</u>	<u>104.32</u>	<u>83.75</u>
6	<u>3.78</u>	<u>3.66</u>	<u>3.70</u>	<u>2.95</u>	<u>109.72</u>	<u>83.75</u>
7	<u>3.76</u>	<u>3.84</u>	<u>3.49</u>	<u>3.54</u>	<u>100.53</u>	<u>106.80</u>
8	<u>3.69</u>	<u>3.84</u>	<u>3.32</u>	<u>3.54</u>	<u>94.54</u>	<u>104.90</u>
9	<u>3.70</u>	<u>3.87</u>	<u>3.23</u>	<u>3.49</u>	<u>91.92</u>	<u>104.90</u>
10	<u>3.69</u>	<u>3.70</u>	<u>3.47</u>	<u>3.23</u>	<u>99.36</u>	<u>92.94</u>
Average	<u>3.72</u>	<u>3.77</u>	<u>3.44</u>	<u>3.35</u>	<u>98.96</u>	<u>98.34</u>
Std. Dev.	<u>0.054</u>	<u>0.081</u>	<u>0.184</u>	<u>0.222</u>	<u>7.178</u>	<u>8.678</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER K

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
Specimen Number						
1	<u>3.77</u>	<u>3.80</u>	<u>3.49</u>	<u>3.61</u>	<u>103.01</u>	<u>111.03</u>
2	<u>3.58</u>	<u>3.66</u>	<u>2.83</u>	<u>3.11</u>	<u>77.62</u>	<u>89.87</u>
3	<u>3.68</u>	<u>3.52</u>	<u>3.18</u>	<u>2.72</u>	<u>91.48</u>	<u>73.24</u>
4	<u>3.73</u>	<u>3.59</u>	<u>3.36</u>	<u>2.98</u>	<u>97.17</u>	<u>81.56</u>
5	<u>3.77</u>	<u>3.77</u>	<u>3.50</u>	<u>3.65</u>	<u>104.32</u>	<u>108.26</u>
6	<u>3.54</u>	<u>3.64</u>	<u>2.78</u>	<u>2.98</u>	<u>75.14</u>	<u>83.16</u>
7	<u>3.67</u>	<u>3.87</u>	<u>3.18</u>	<u>3.86</u>	<u>89.58</u>	<u>117.89</u>
8	<u>3.80</u>	<u>3.72</u>	<u>3.64</u>	<u>3.43</u>	<u>111.03</u>	<u>99.65</u>
9	<u>3.63</u>	<u>3.65</u>	<u>3.07</u>	<u>3.09</u>	<u>88.27</u>	<u>88.12</u>
10	<u>3.56</u>	<u>3.59</u>	<u>2.95</u>	<u>3.10</u>	<u>80.54</u>	<u>87.39</u>
Average	<u>3.67</u>	<u>3.68</u>	<u>3.20</u>	<u>3.25</u>	<u>91.81</u>	<u>94.02</u>
Std. Dev.	<u>0.095</u>	<u>0.106</u>	<u>0.296</u>	<u>0.363</u>	<u>12.037</u>	<u>14.507</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER K

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
Specimen Number						
1	<u>3.80</u>	<u>3.77</u>	<u>3.76</u>	<u>3.89</u>	<u>114.97</u>	<u>111.76</u>
2	<u>3.64</u>	<u>3.73</u>	<u>3.55</u>	<u>3.50</u>	<u>98.19</u>	<u>101.55</u>
3	<u>3.69</u>	<u>3.54</u>	<u>3.00</u>	<u>3.64</u>	<u>103.59</u>	<u>81.41</u>
4	<u>3.52</u>	<u>3.57</u>	<u>2.97</u>	<u>2.93</u>	<u>78.06</u>	<u>82.00</u>
5	<u>3.80</u>	<u>3.78</u>	<u>3.54</u>	<u>4.00</u>	<u>118.47</u>	<u>104.03</u>
6	<u>3.68</u>	<u>3.77</u>	<u>3.64</u>	<u>3.66</u>	<u>103.59</u>	<u>106.94</u>
7	<u>3.76</u>	<u>3.73</u>	<u>3.43</u>	<u>3.79</u>	<u>109.72</u>	<u>98.77</u>
8	<u>3.71</u>	<u>3.72</u>	<u>3.43</u>	<u>3.58</u>	<u>101.84</u>	<u>98.34</u>
9	<u>3.76</u>	<u>3.71</u>	<u>3.34</u>	<u>3.75</u>	<u>110.01</u>	<u>95.42</u>
10	<u>3.55</u>	<u>3.79</u>	<u>3.41</u>	<u>3.37</u>	<u>92.21</u>	<u>99.36</u>
Average	<u>3.71</u>	<u>3.41</u>	<u>3.41</u>	<u>3.61</u>	<u>103.06</u>	<u>97.96</u>
Std. Dev.	<u>0.087</u>	<u>0.254</u>	<u>0.254</u>	<u>0.302</u>	<u>11.741</u>	<u>9.768</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304012 BOOK PART LETTER M

Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
Specimen Number						
1	<u>2.71</u>	<u>2.83</u>	<u>1.10</u>	<u>1.06</u>	<u>17.95</u>	<u>18.24</u>
2	<u>2.73</u>	<u>2.94</u>	<u>1.14</u>	<u>1.14</u>	<u>19.11</u>	<u>20.28</u>
3	<u>2.86</u>	<u>2.88</u>	<u>1.16</u>	<u>1.07</u>	<u>20.57</u>	<u>18.68</u>
4	<u>2.77</u>	<u>2.54</u>	<u>1.01</u>	<u>0.85</u>	<u>16.78</u>	<u>12.40</u>
5	<u>2.66</u>	<u>2.78</u>	<u>1.02</u>	<u>0.97</u>	<u>16.49</u>	<u>15.90</u>
6	<u>2.66</u>	<u>2.80</u>	<u>1.08</u>	<u>0.97</u>	<u>17.51</u>	<u>16.34</u>
7	<u>2.81</u>	<u>2.78</u>	<u>1.03</u>	<u>1.04</u>	<u>17.22</u>	<u>17.36</u>
8	<u>2.76</u>	<u>2.72</u>	<u>0.99</u>	<u>1.04</u>	<u>16.63</u>	<u>17.22</u>
9	<u>2.84</u>	<u>2.41</u>	<u>1.08</u>	<u>0.91</u>	<u>18.53</u>	<u>12.84</u>
10	<u>2.50</u>	<u>2.41</u>	<u>0.96</u>	<u>0.88</u>	<u>14.30</u>	<u>12.40</u>
Average	<u>2.73</u>	<u>2.71</u>	<u>1.06</u>	<u>0.99</u>	<u>17.51</u>	<u>16.17</u>
Std. Dev.	<u>0.105</u>	<u>0.190</u>	<u>0.065</u>	<u>0.093</u>	<u>1.697</u>	<u>2.780</u>

WEI T'o ASSOCIATES, INC.

TENSILE STRENGTH DATA

CONTROL NUMBER 304014 BOOK PART LETTER MAging Time: 30 days

<u>Sheet #</u>	<u>Tensile Strength, kN/M</u>		<u>Stretch, %</u>		<u>TEA, J/sq M</u>	
	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
<u>Specimen Number</u>						
1	<u>2.65</u>	<u>2.81</u>	<u>0.99</u>	<u>0.98</u>	<u>15.76</u>	<u>16.34</u>
2	<u>2.75</u>	<u>2.78</u>	<u>1.04</u>	<u>1.03</u>	<u>17.36</u>	<u>17.22</u>
3	<u>2.54</u>	<u>2.69</u>	<u>0.92</u>	<u>0.98</u>	<u>13.71</u>	<u>15.90</u>
4	<u>2.71</u>	<u>2.87</u>	<u>1.01</u>	<u>1.09</u>	<u>16.49</u>	<u>19.11</u>
5	<u>2.50</u>	<u>2.91</u>	<u>0.97</u>	<u>1.09</u>	<u>14.44</u>	<u>19.40</u>
6	<u>2.56</u>	<u>2.90</u>	<u>0.97</u>	<u>1.06</u>	<u>14.59</u>	<u>18.68</u>
7	<u>2.57</u>	<u>2.70</u>	<u>1.00</u>	<u>0.96</u>	<u>15.47</u>	<u>15.32</u>
8	<u>2.41</u>	<u>2.76</u>	<u>0.90</u>	<u>1.04</u>	<u>12.55</u>	<u>17.51</u>
9	<u>2.34</u>	<u>2.87</u>	<u>0.84</u>	<u>1.08</u>	<u>11.23</u>	<u>18.82</u>
10	<u>2.42</u>	<u>2.81</u>	<u>0.89</u>	<u>1.01</u>	<u>12.69</u>	<u>18.09</u>
Average	<u>2.55</u>	<u>2.81</u>	<u>0.95</u>	<u>1.03</u>	<u>14.43</u>	<u>17.64</u>
Std. Dev.	<u>0.132</u>	<u>0.078</u>	<u>0.063</u>	<u>0.048</u>	<u>1.914</u>	<u>1.424</u>

WEI T'o ASSOCIATES, INC.

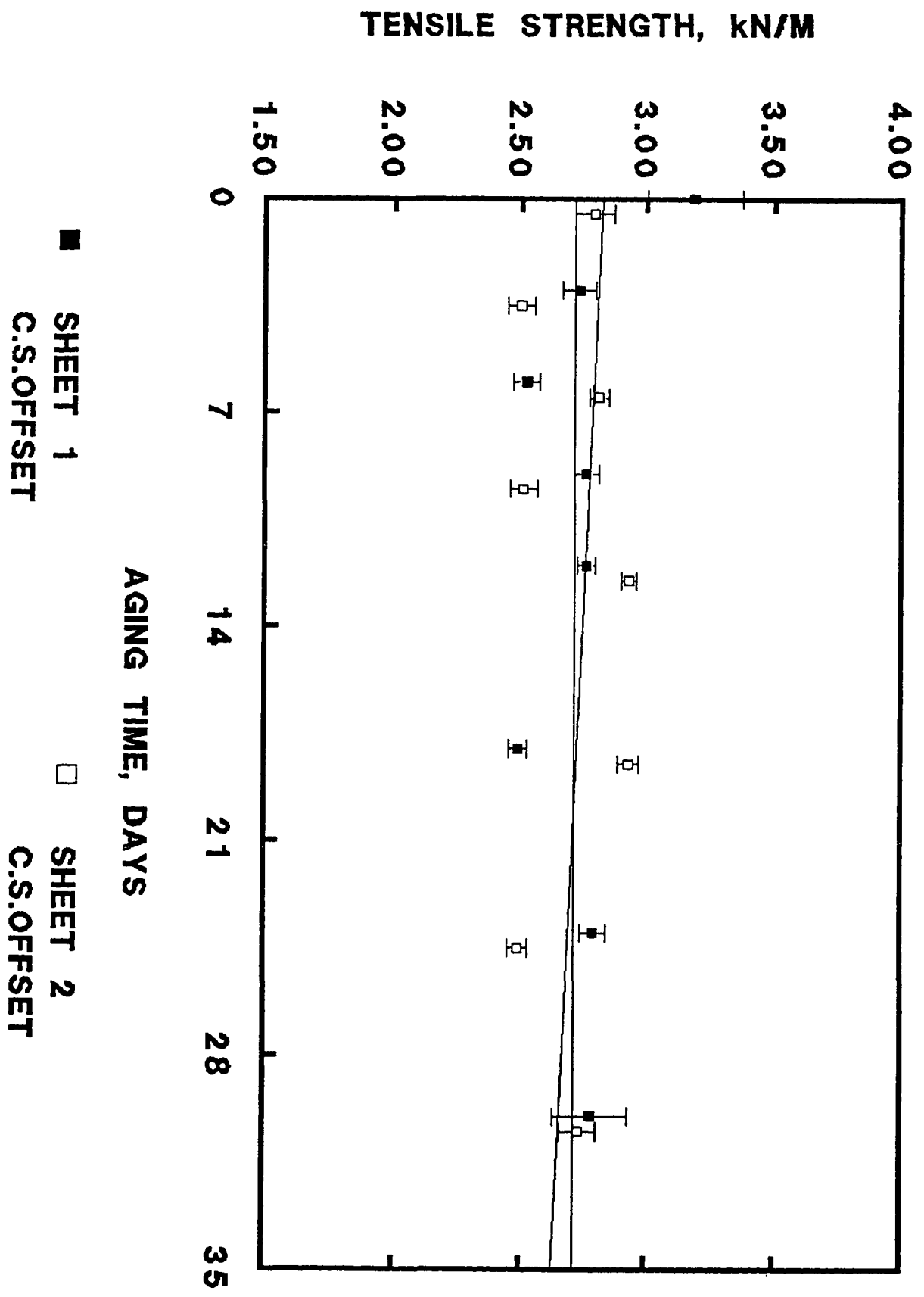
TENSILE STRENGTH DATA

CONTROL NUMBER 304015 BOOK PART LETTER M

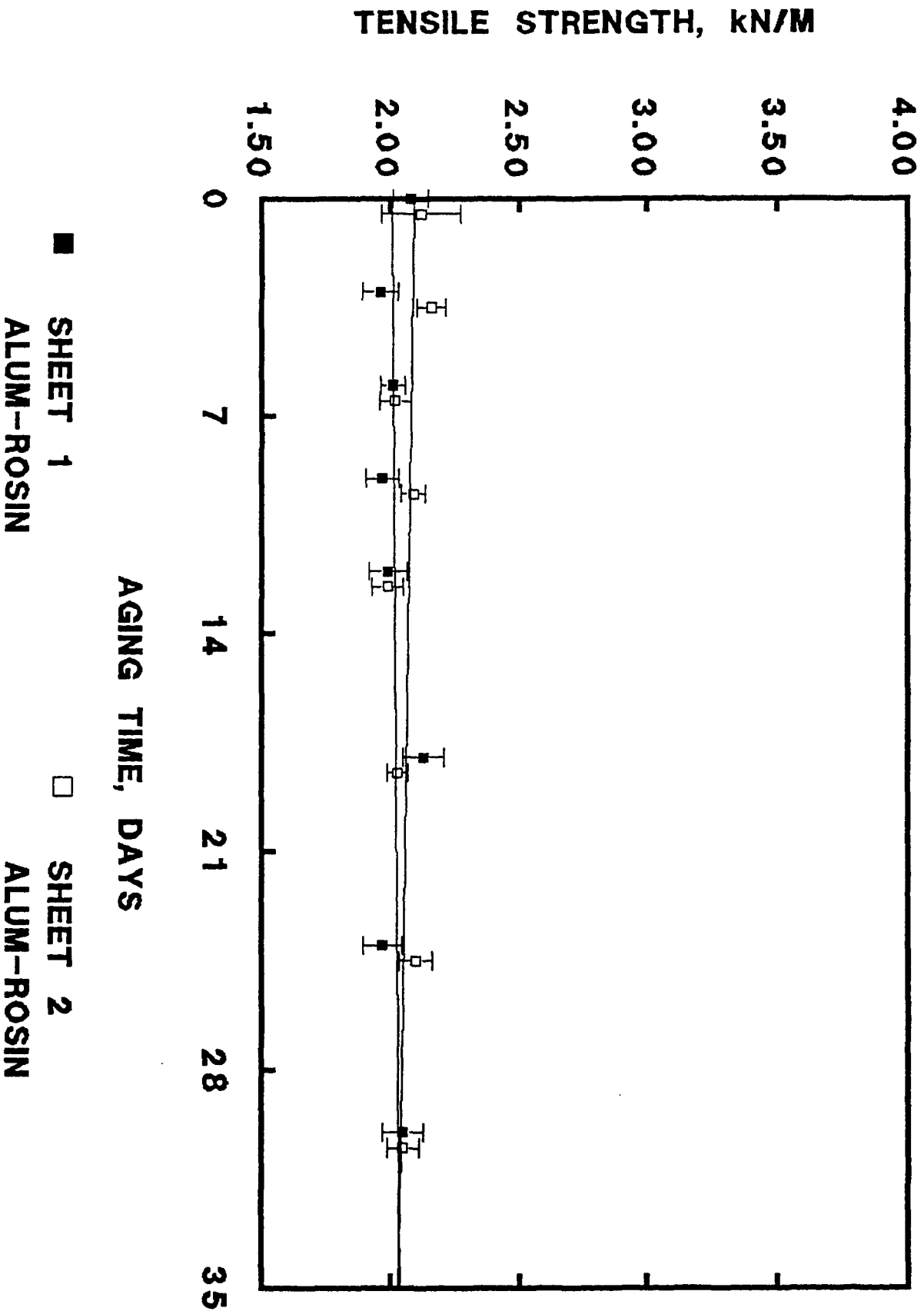
Aging Time: 30 days

	Tensile Strength, kN/M		Stretch, %		TEA, J/sq M	
Sheet #	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>	<u>2</u>	<u>12</u>
Specimen Number						
1	<u>2.53</u>	<u>2.49</u>	<u>0.92</u>	<u>0.96</u>	<u>14.30</u>	<u>14.30</u>
2	<u>2.58</u>	<u>2.40</u>	<u>0.98</u>	<u>0.90</u>	<u>14.88</u>	<u>12.69</u>
3	<u>2.77</u>	<u>2.43</u>	<u>1.08</u>	<u>0.96</u>	<u>19.40</u>	<u>14.01</u>
4	<u>2.80</u>	<u>2.24</u>	<u>1.15</u>	<u>0.77</u>	<u>19.40</u>	<u>10.21</u>
5	<u>2.63</u>	<u>2.50</u>	<u>1.02</u>	<u>0.90</u>	<u>16.05</u>	<u>13.42</u>
6	<u>2.32</u>	<u>2.44</u>	<u>0.86</u>	<u>0.88</u>	<u>11.53</u>	<u>12.40</u>
7	<u>2.77</u>	<u>2.52</u>	<u>1.19</u>	<u>0.93</u>	<u>19.99</u>	<u>13.86</u>
8	<u>2.39</u>	<u>2.70</u>	<u>0.93</u>	<u>1.02</u>	<u>12.84</u>	<u>16.63</u>
9	<u>2.69</u>	<u>2.78</u>	<u>1.02</u>	<u>1.06</u>	<u>16.19</u>	<u>17.80</u>
10	<u>2.82</u>	<u>2.56</u>	<u>1.11</u>	<u>0.99</u>	<u>18.82</u>	<u>15.17</u>
Average	<u>2.63</u>	<u>2.51</u>	<u>1.03</u>	<u>0.94</u>	<u>16.34</u>	<u>14.05</u>
Std. Dev.	<u>0.175</u>	<u>0.152</u>	<u>0.107</u>	<u>0.082</u>	<u>2.983</u>	<u>2.154</u>

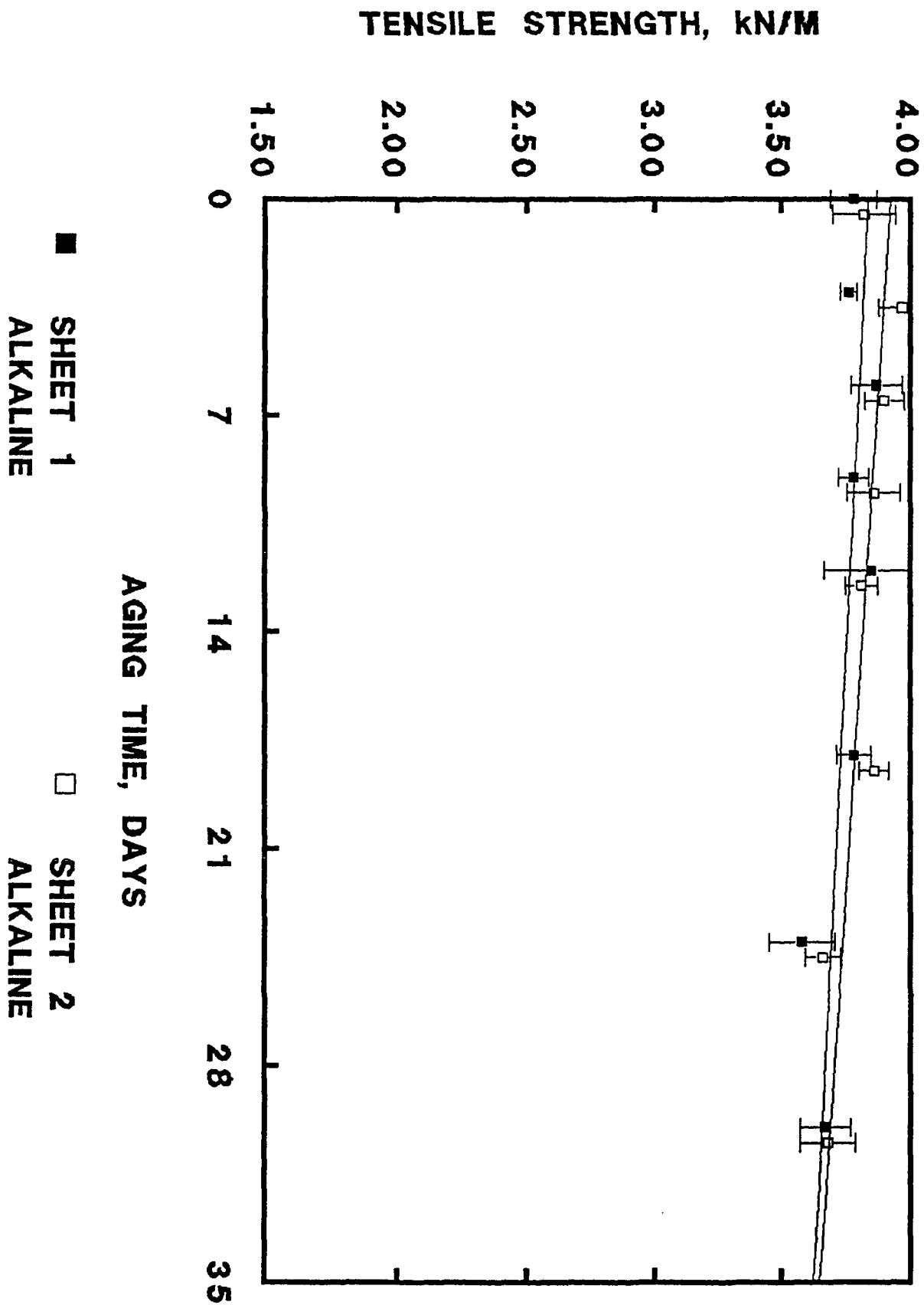
WEI T' O ASSOCIATES, INC.
CONTROL NUMBER 304014



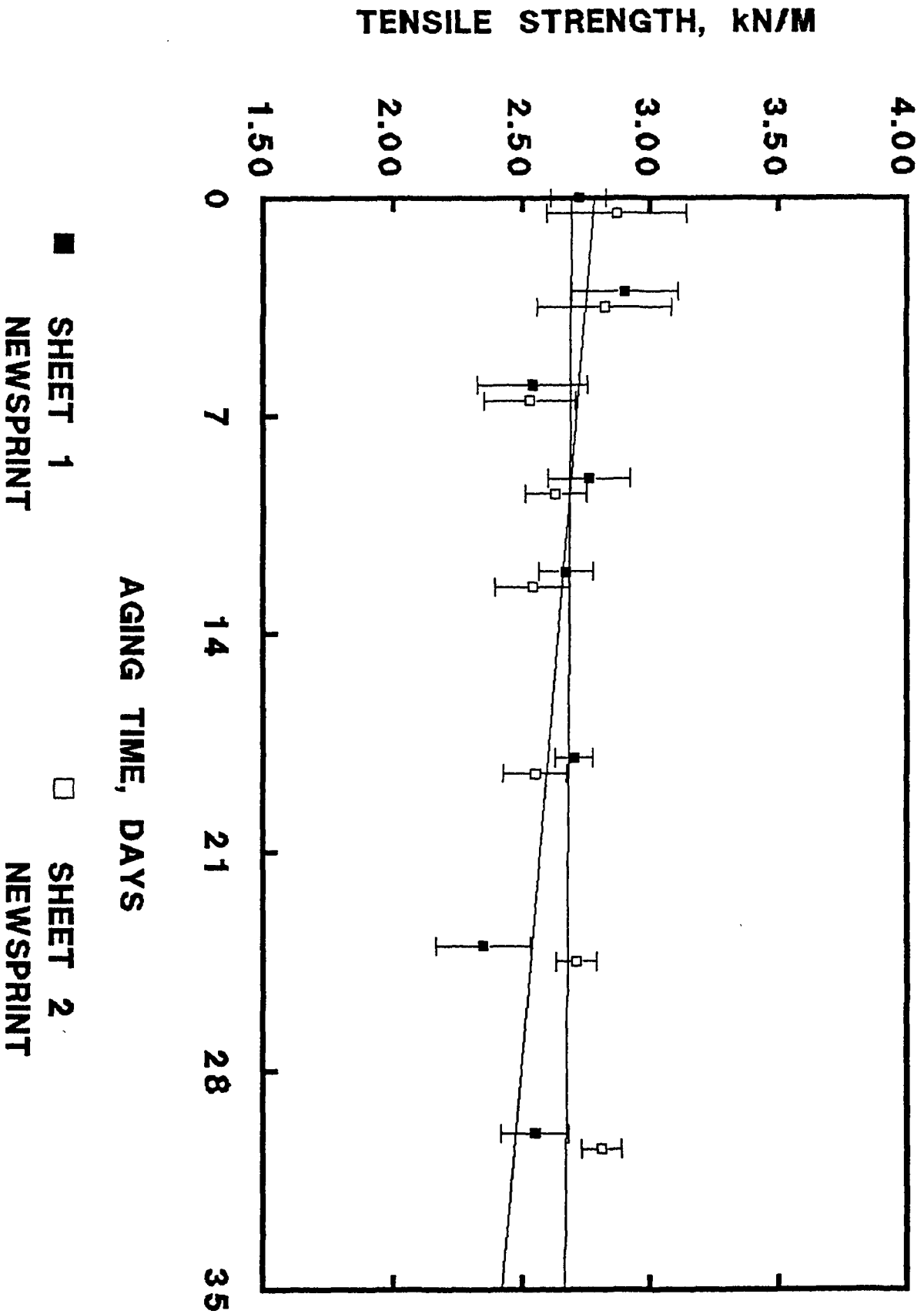
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



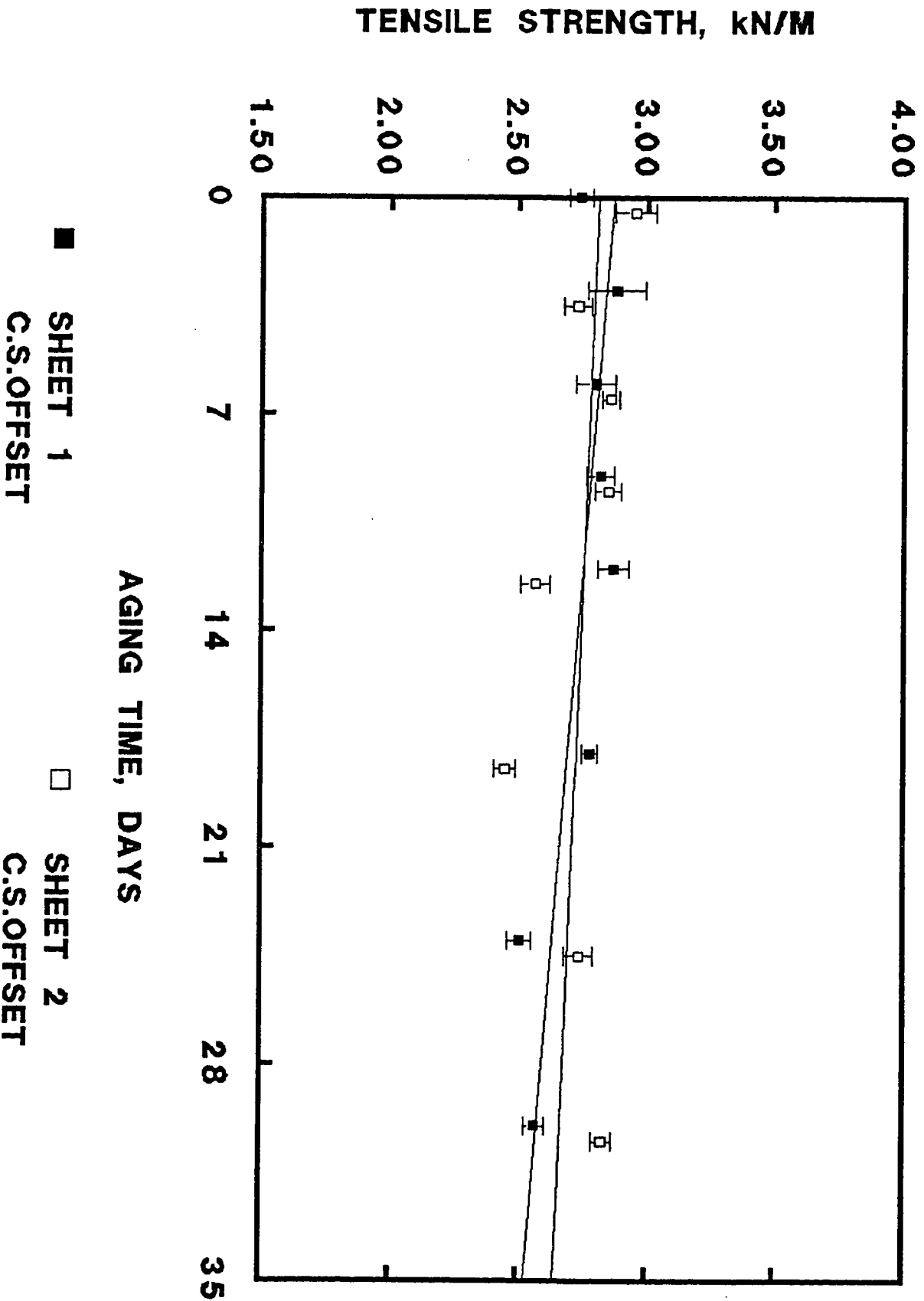
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



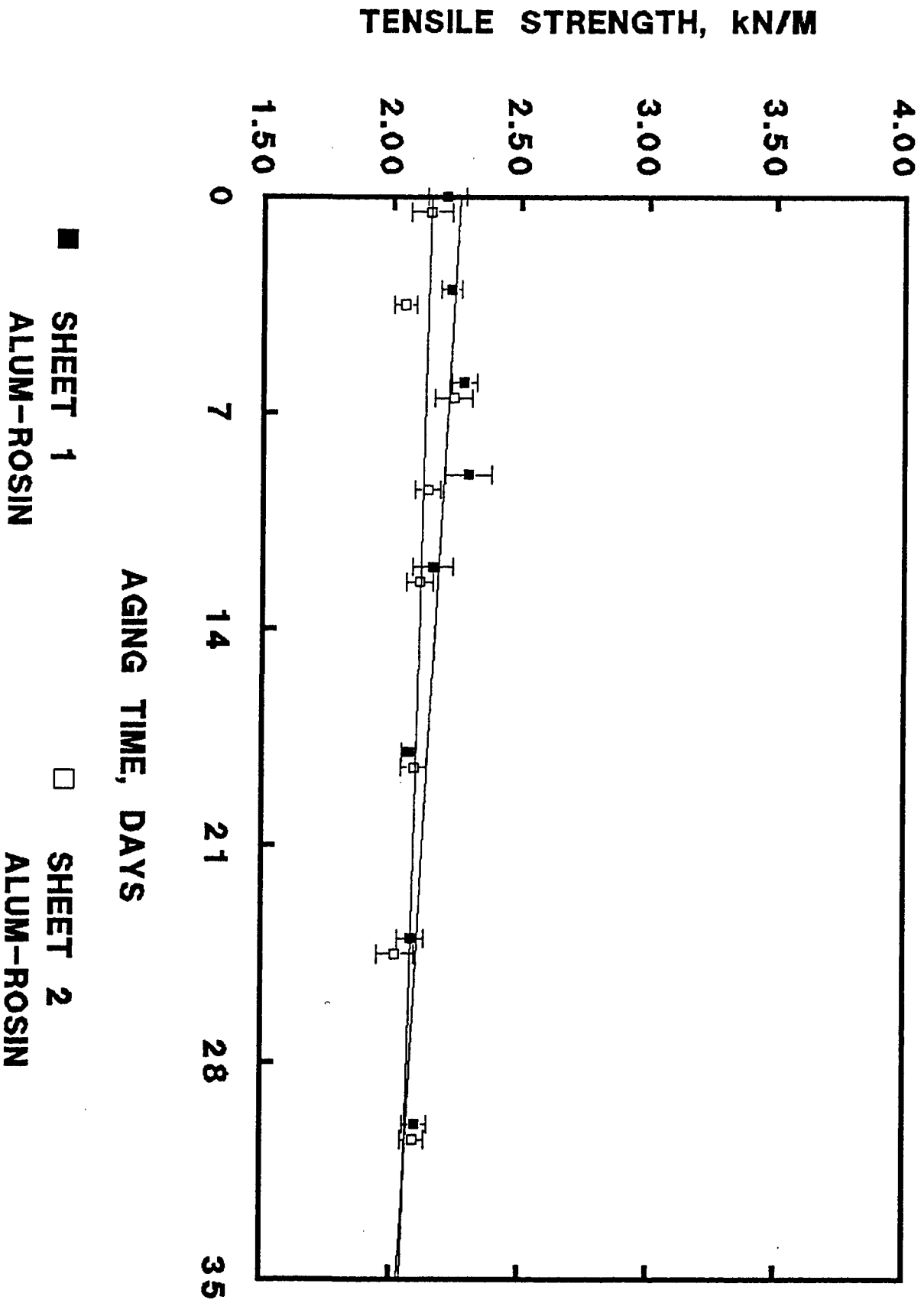
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



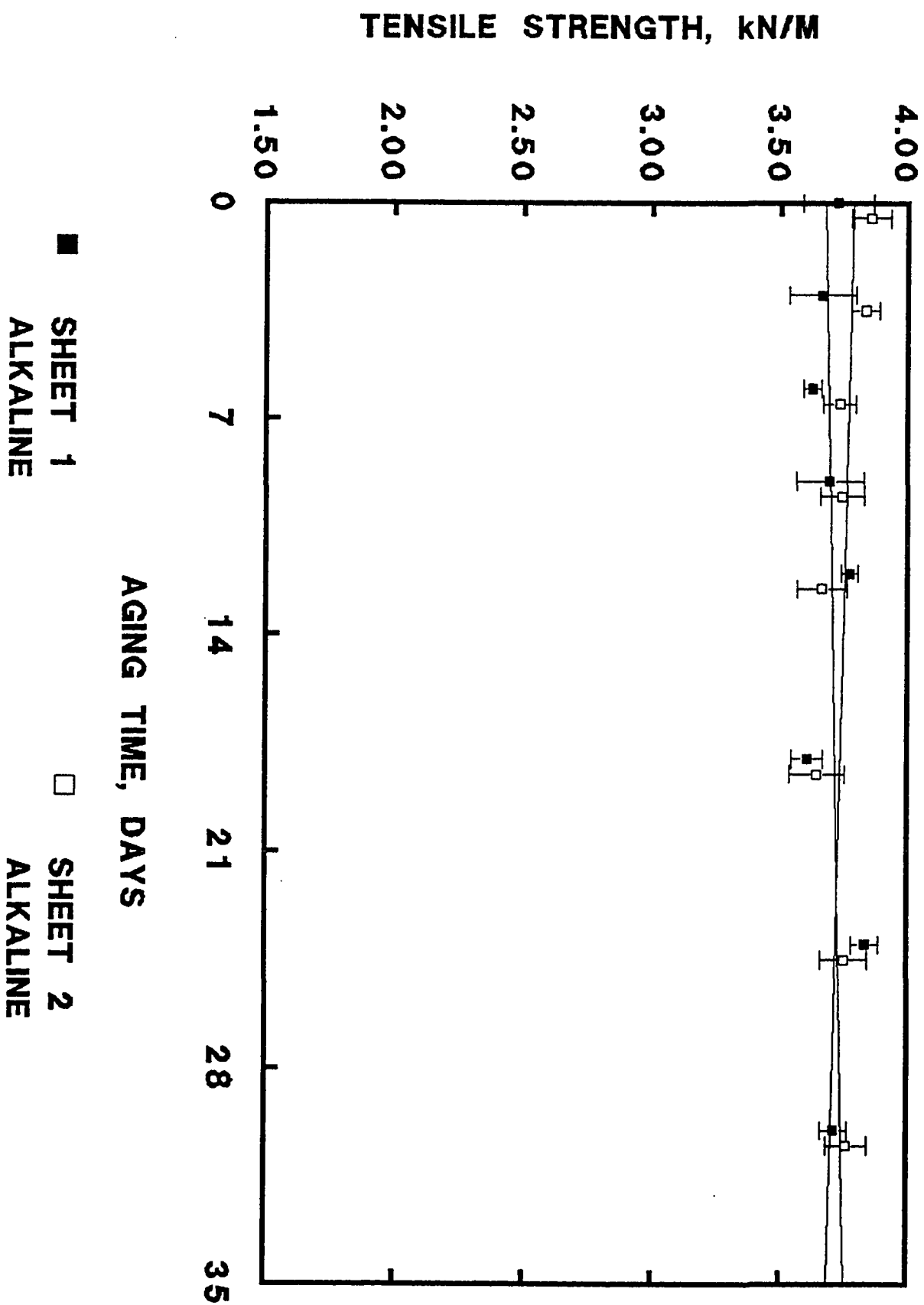
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



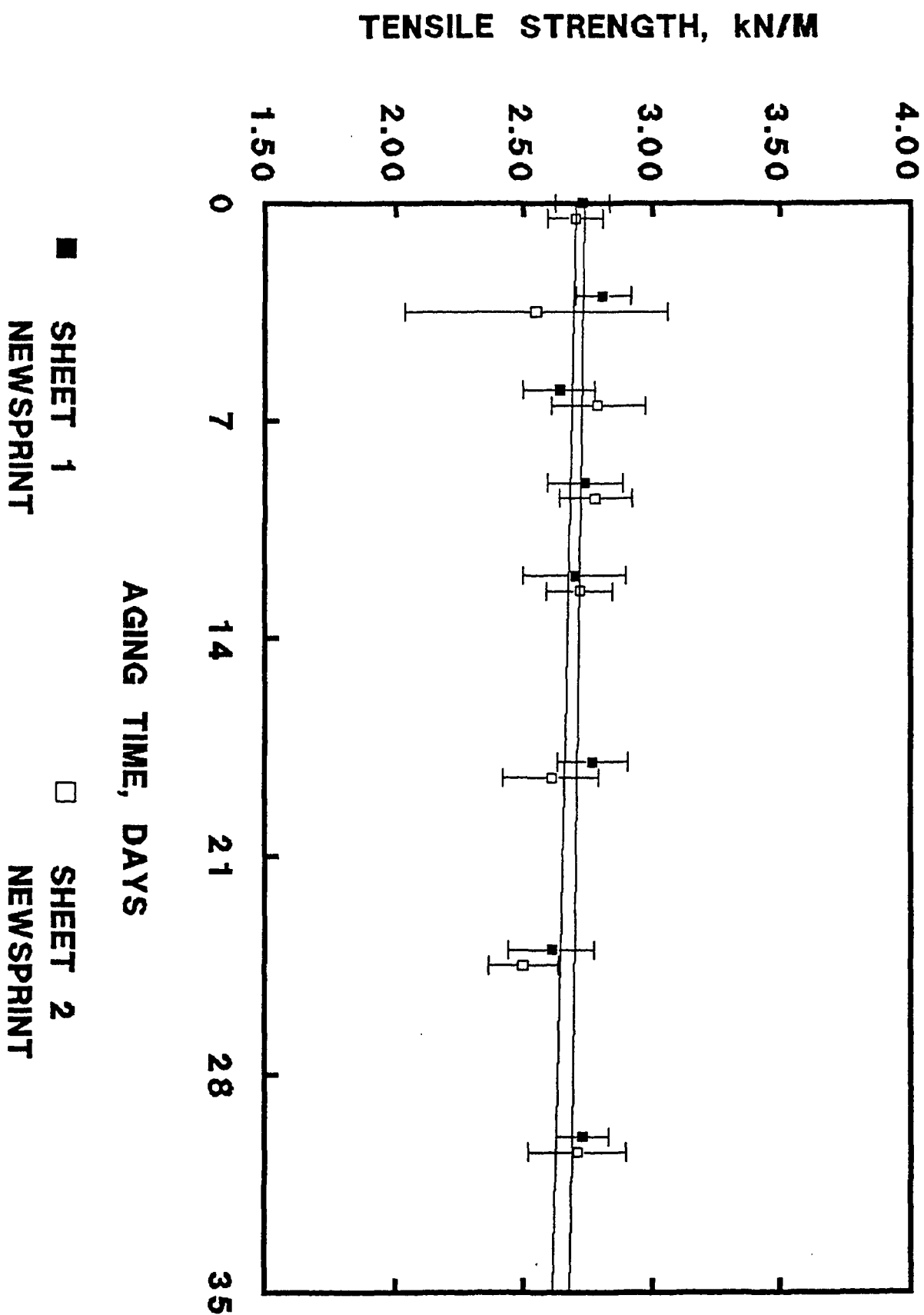
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



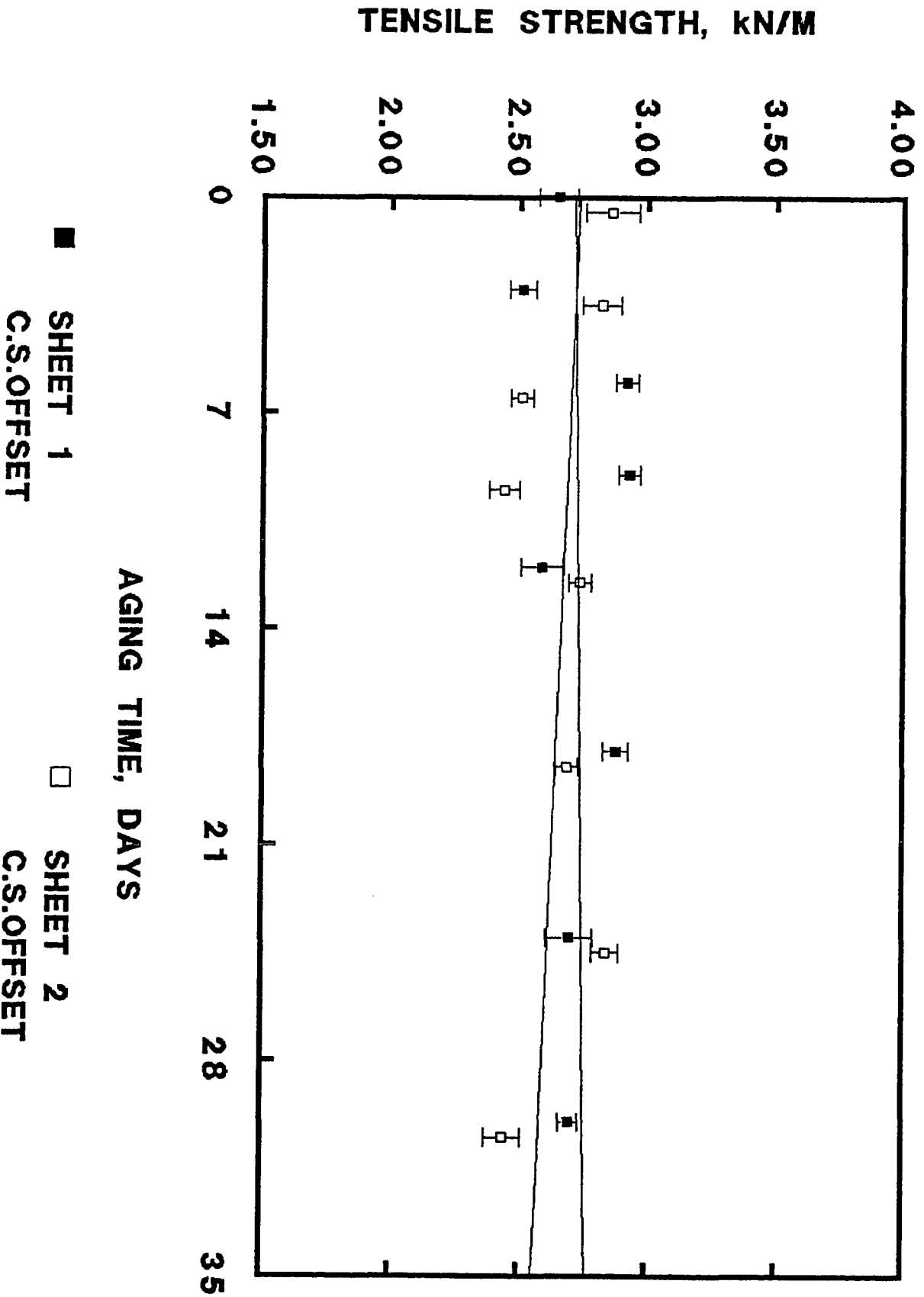
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



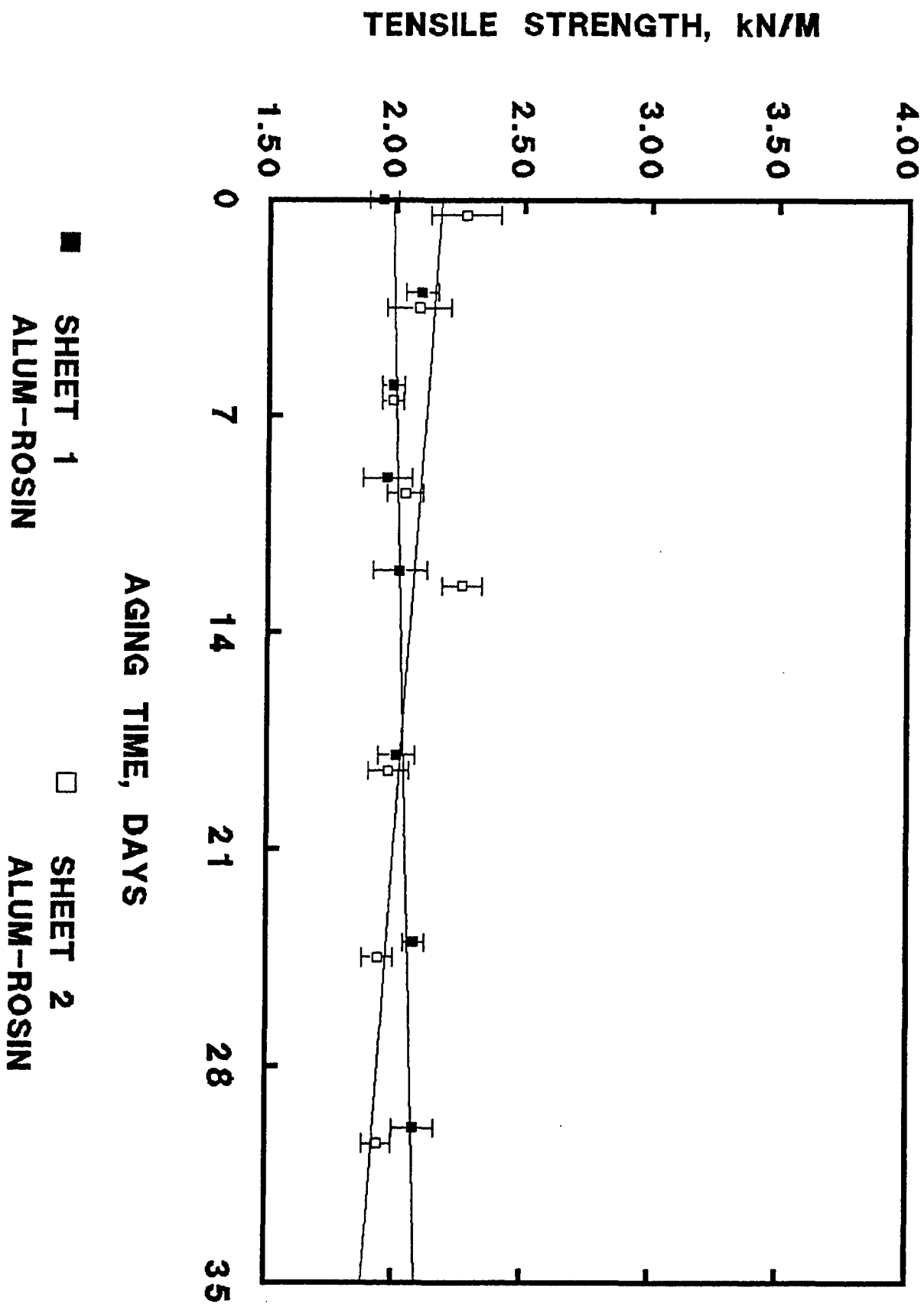
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



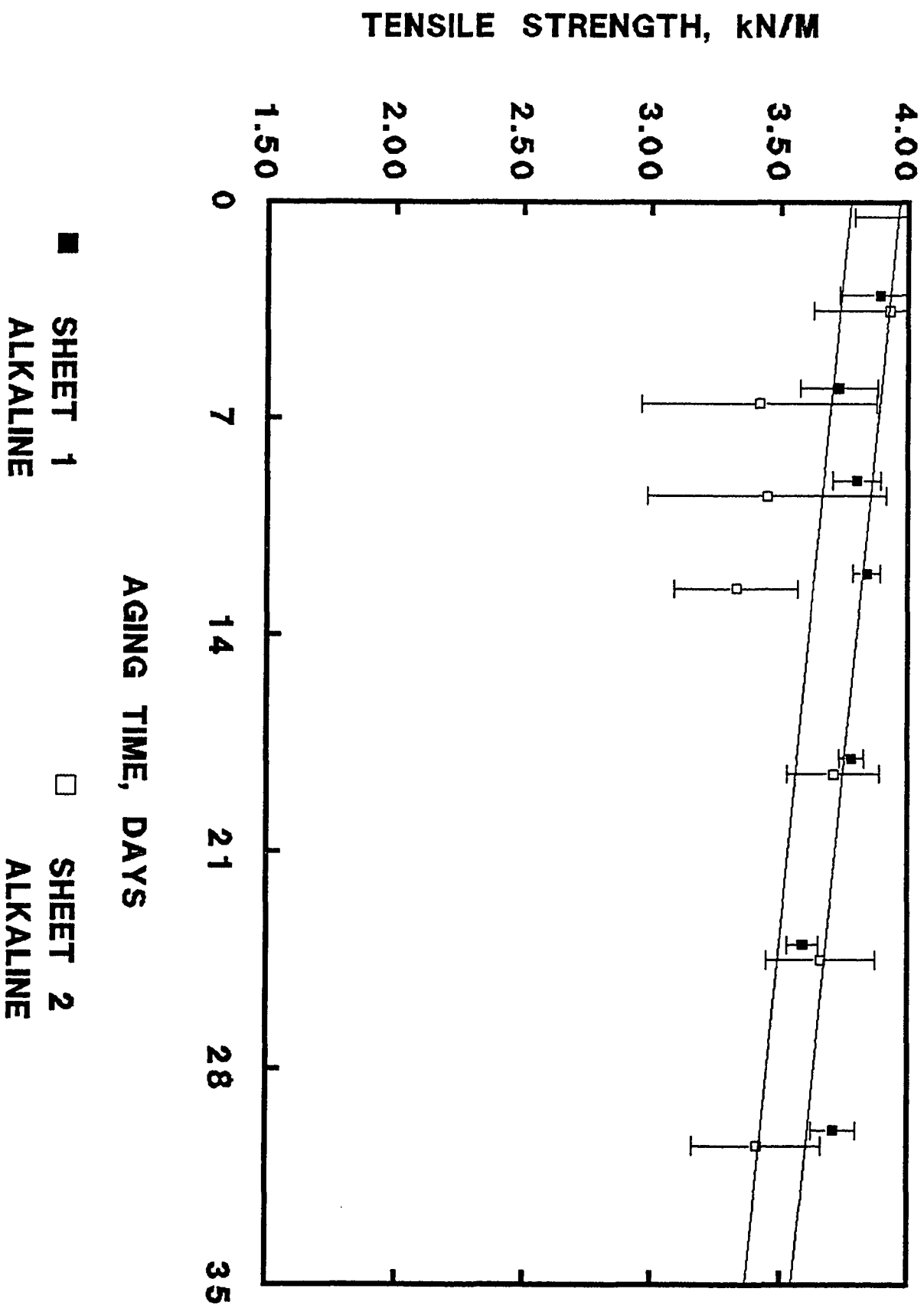
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



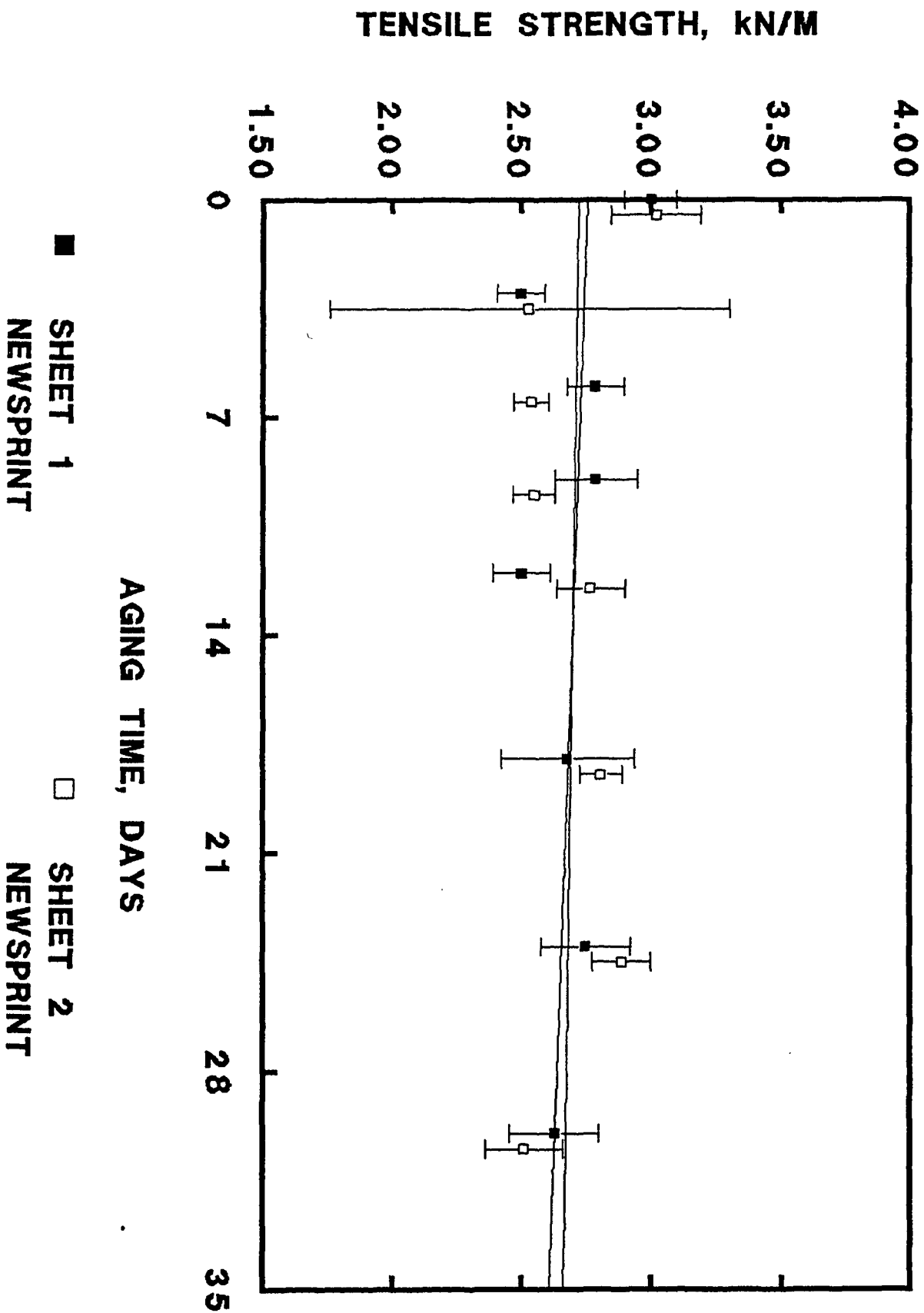
WEI T'AO ASSOCIATES, INC.
CONTROL NUMBER 304015



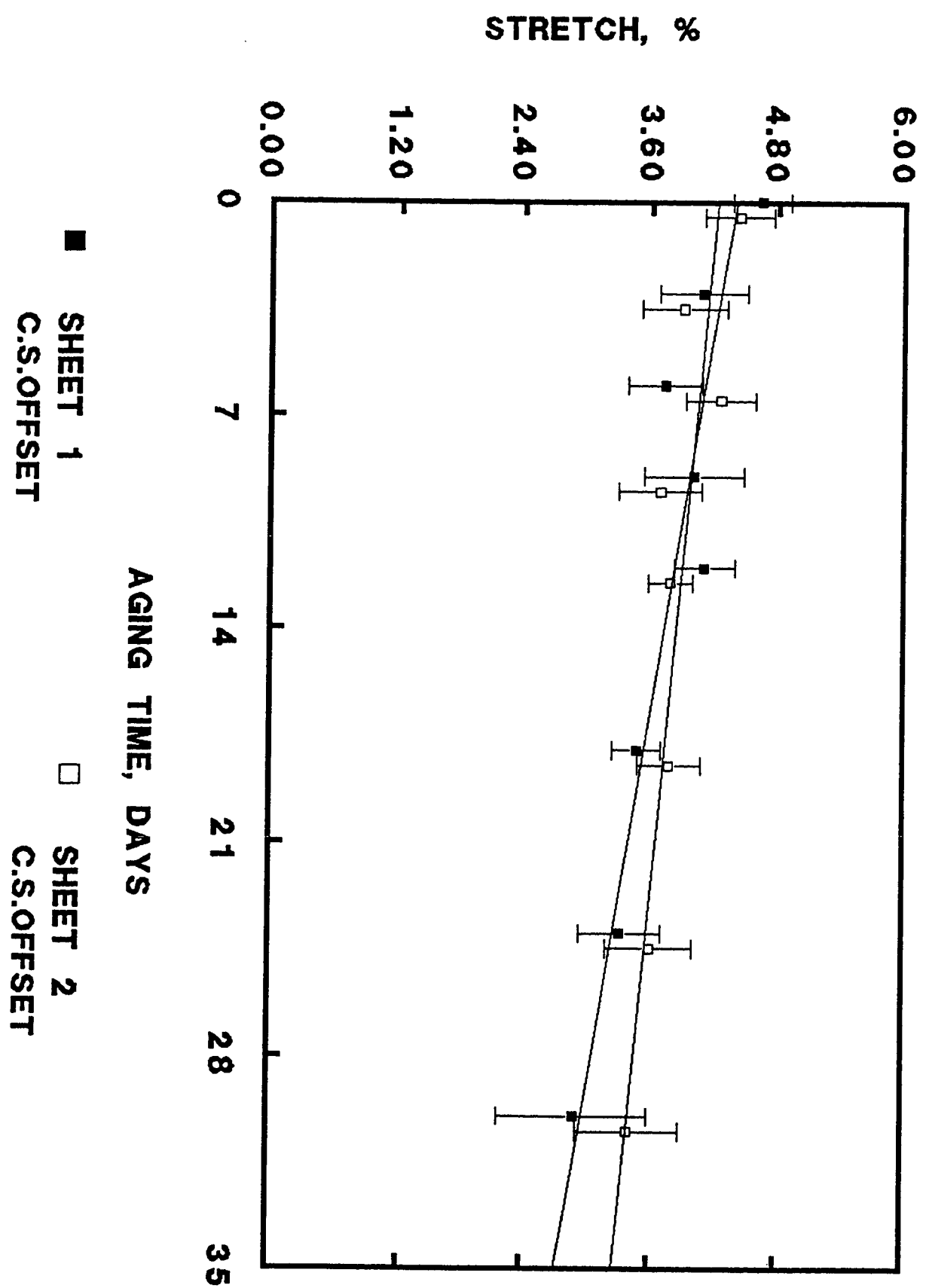
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



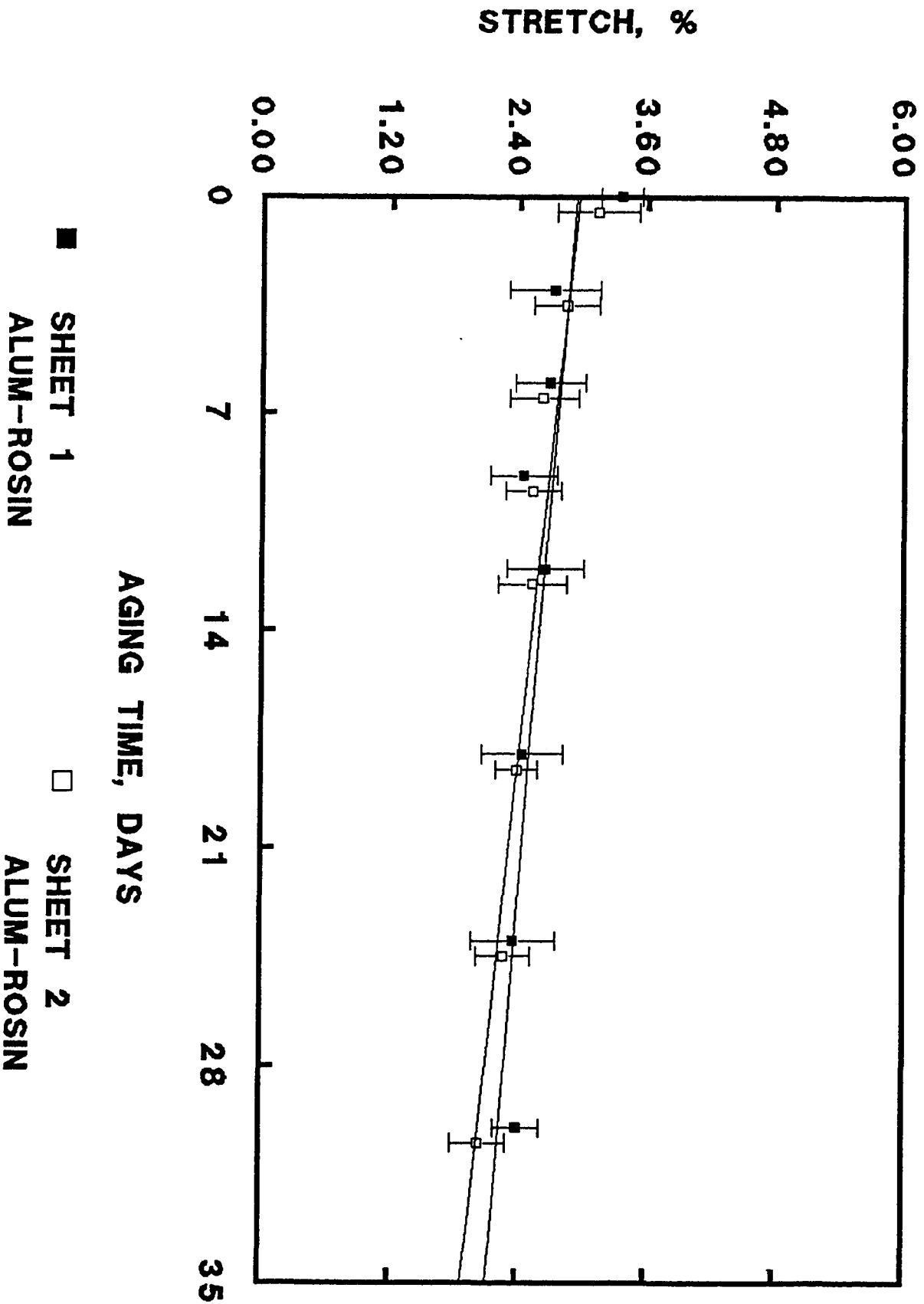
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



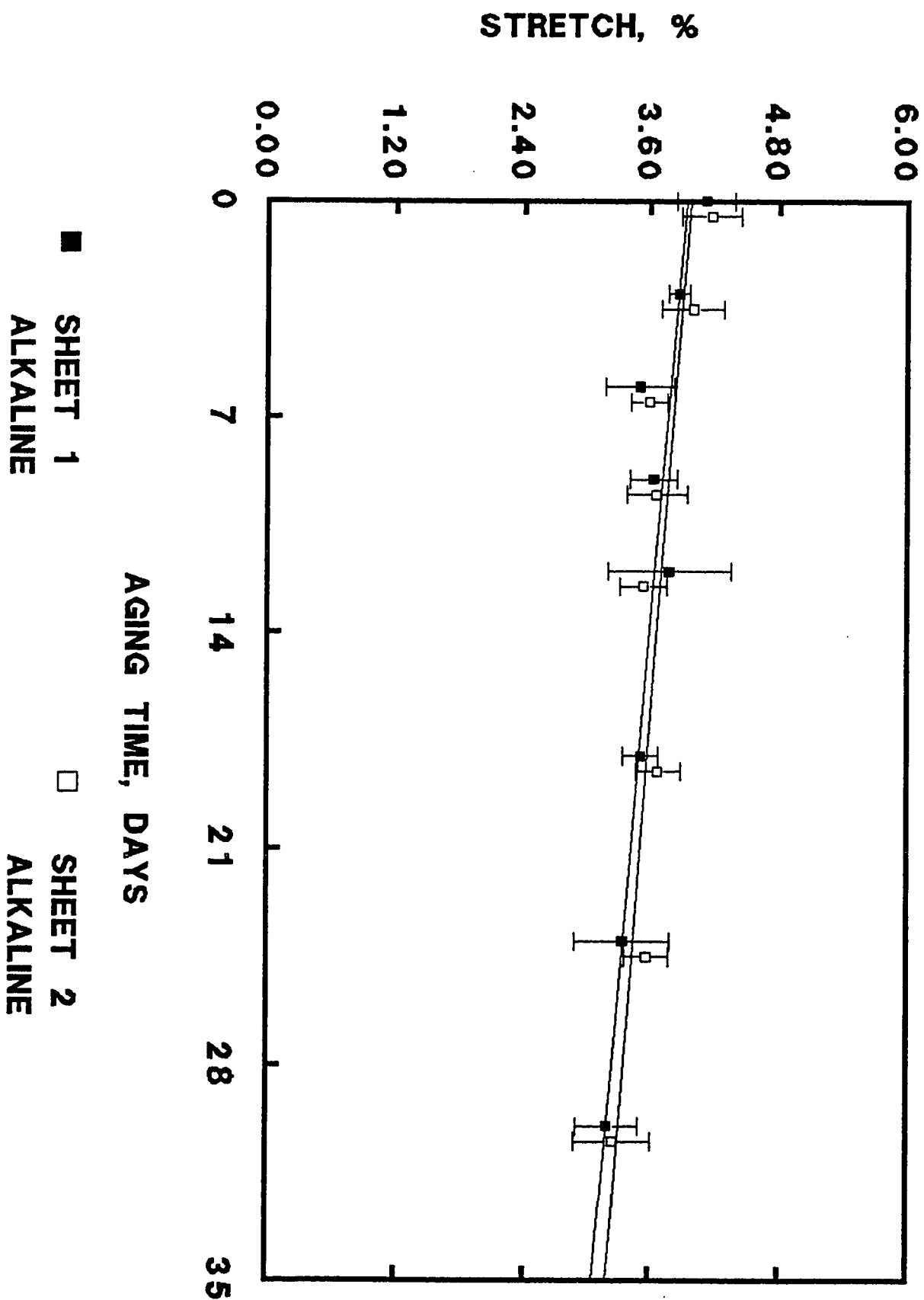
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



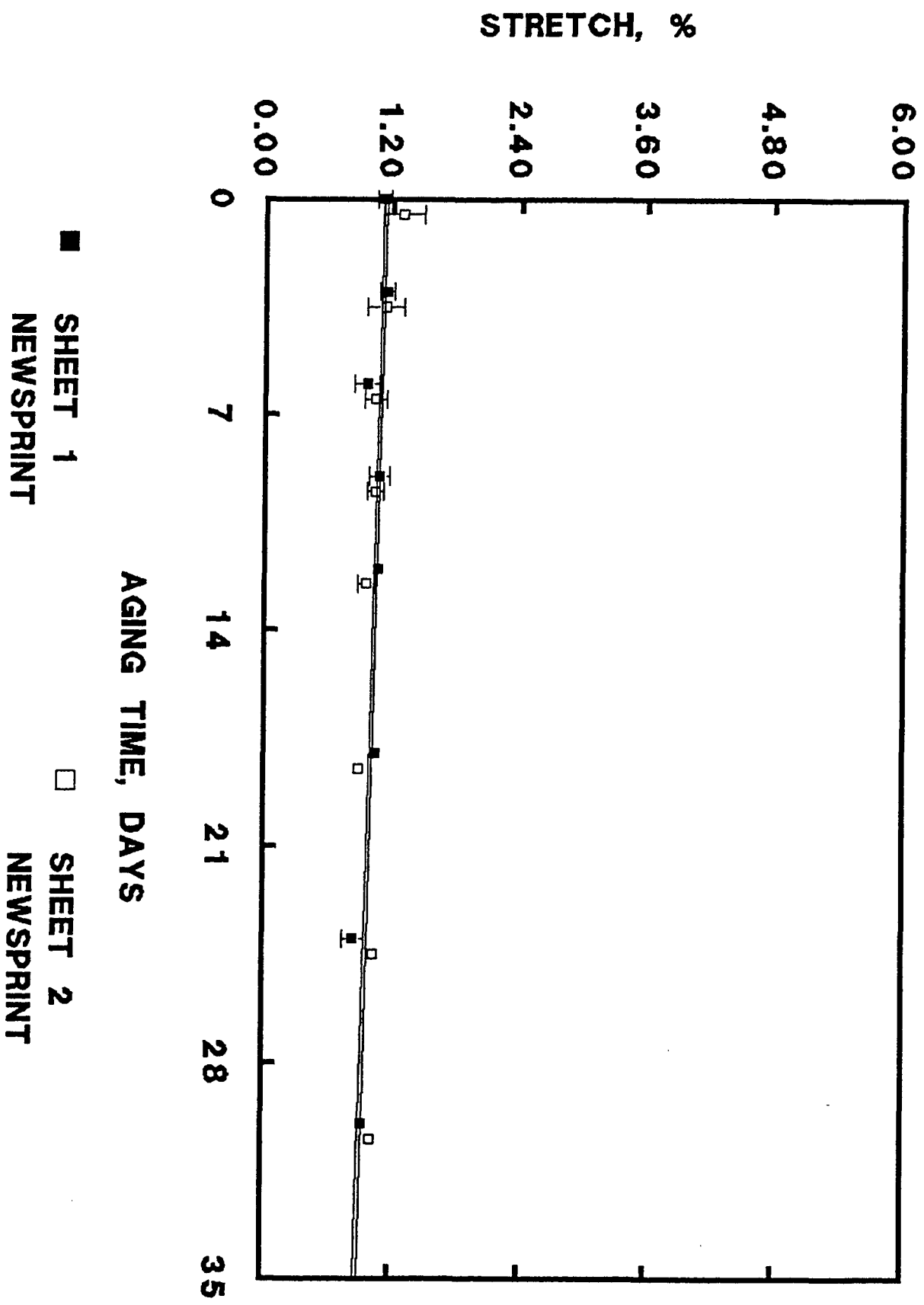
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



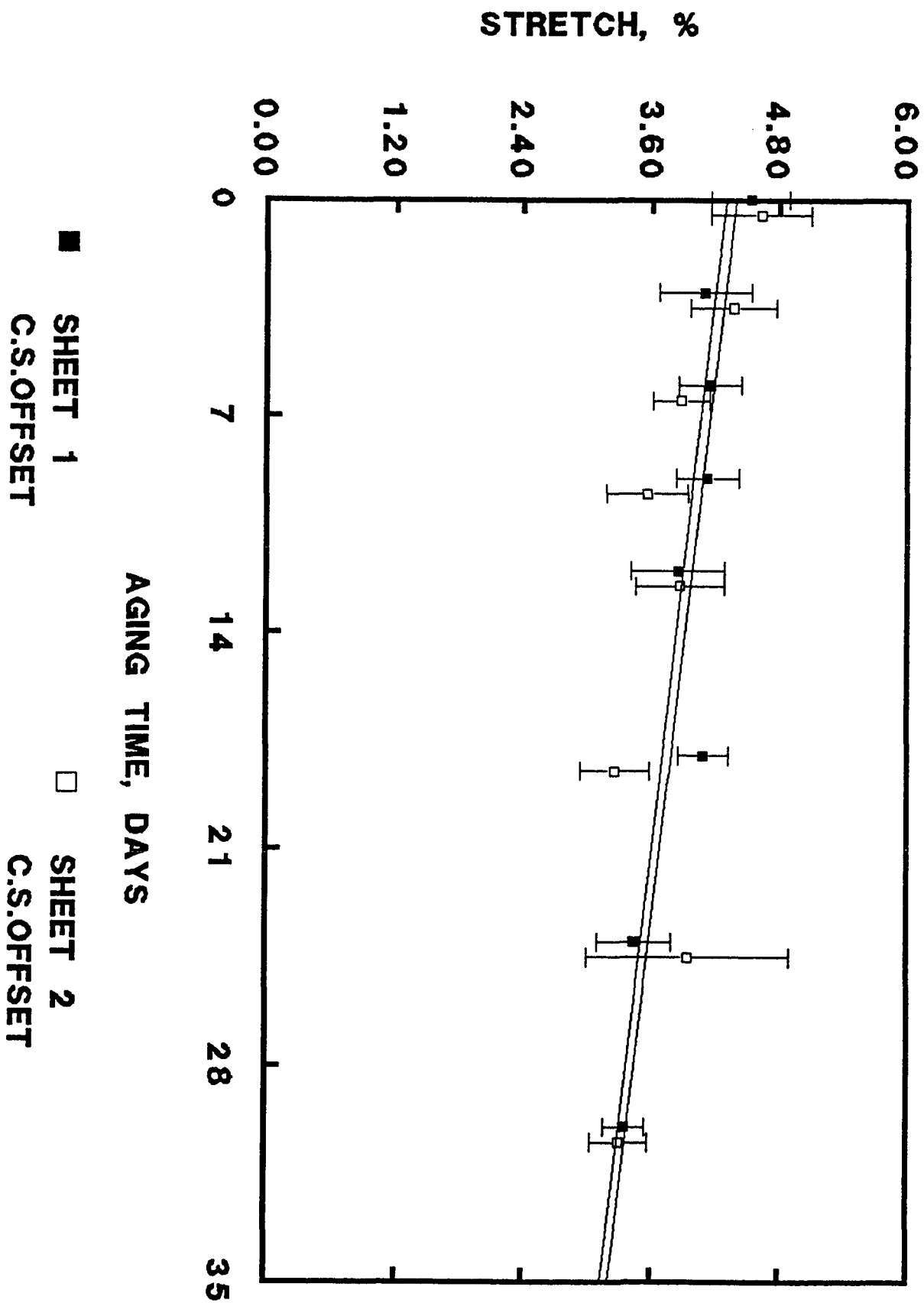
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



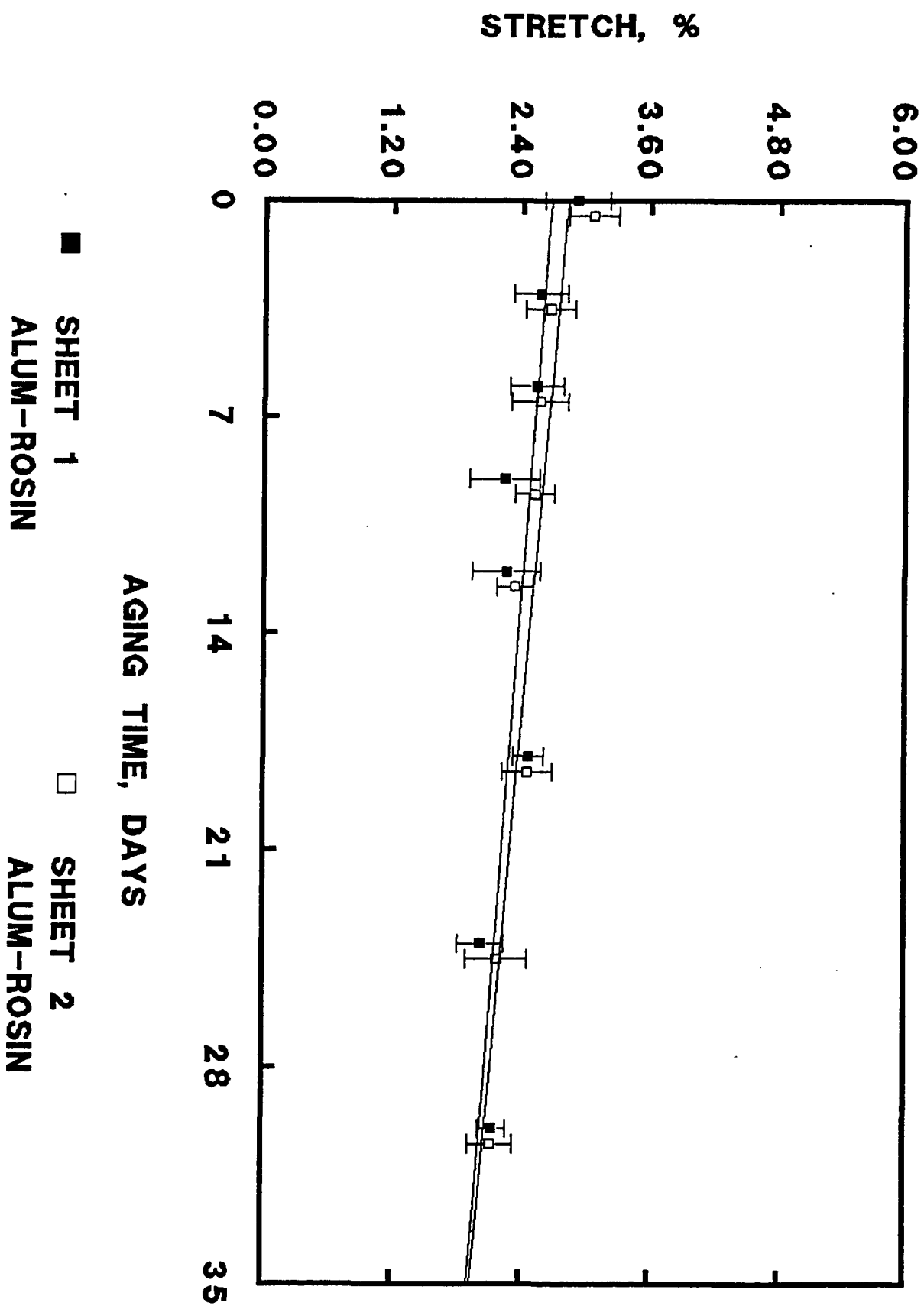
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



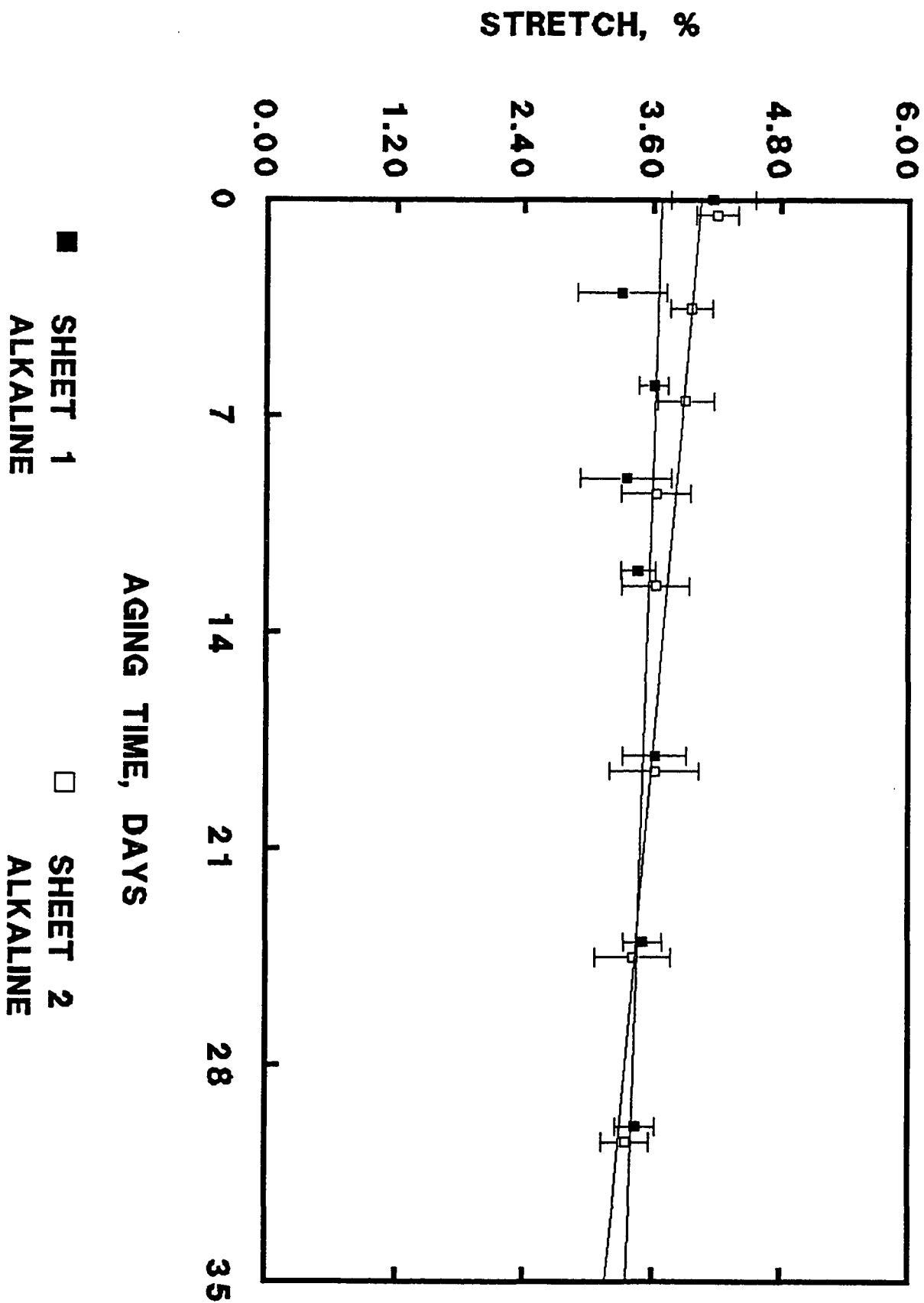
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



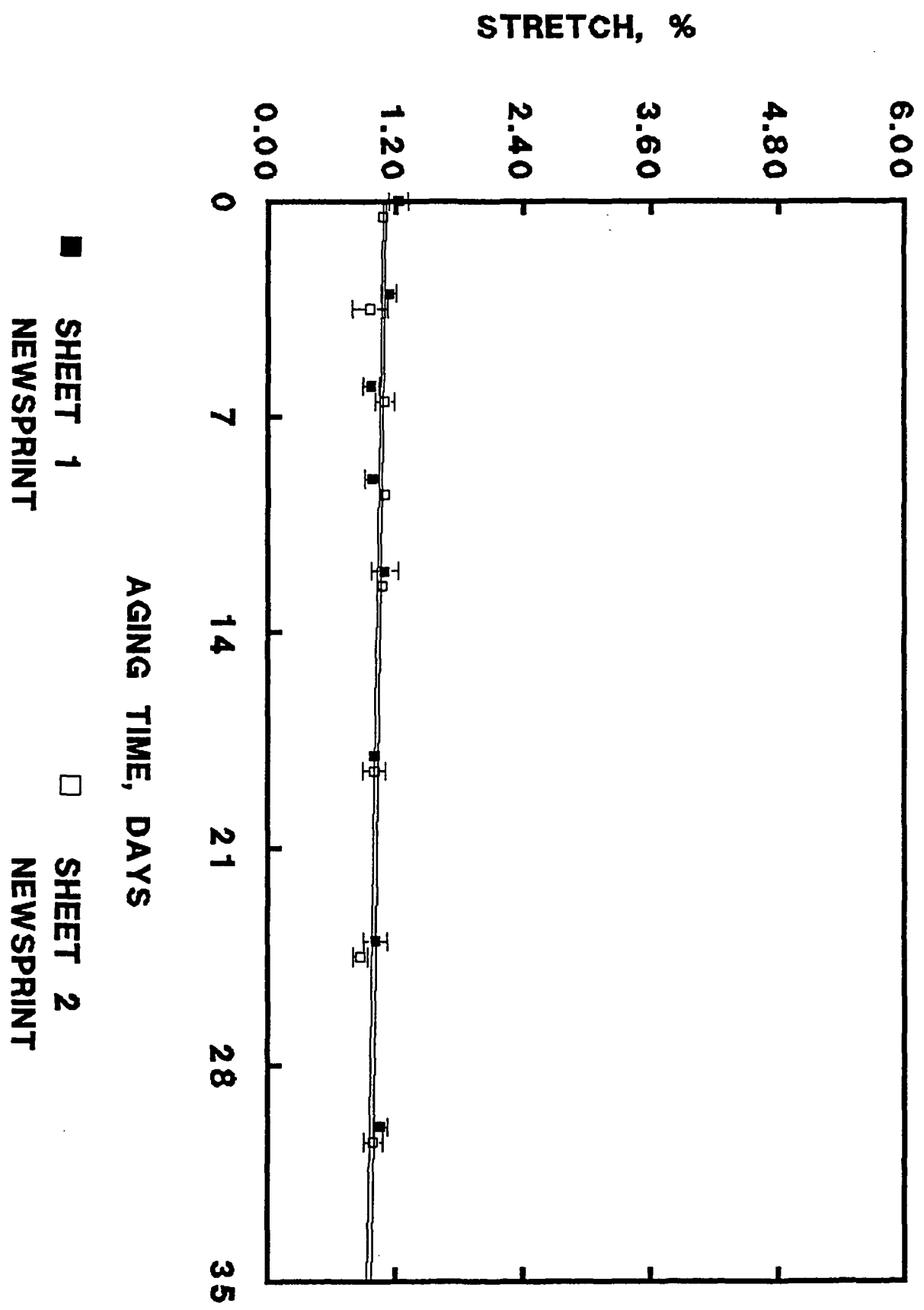
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



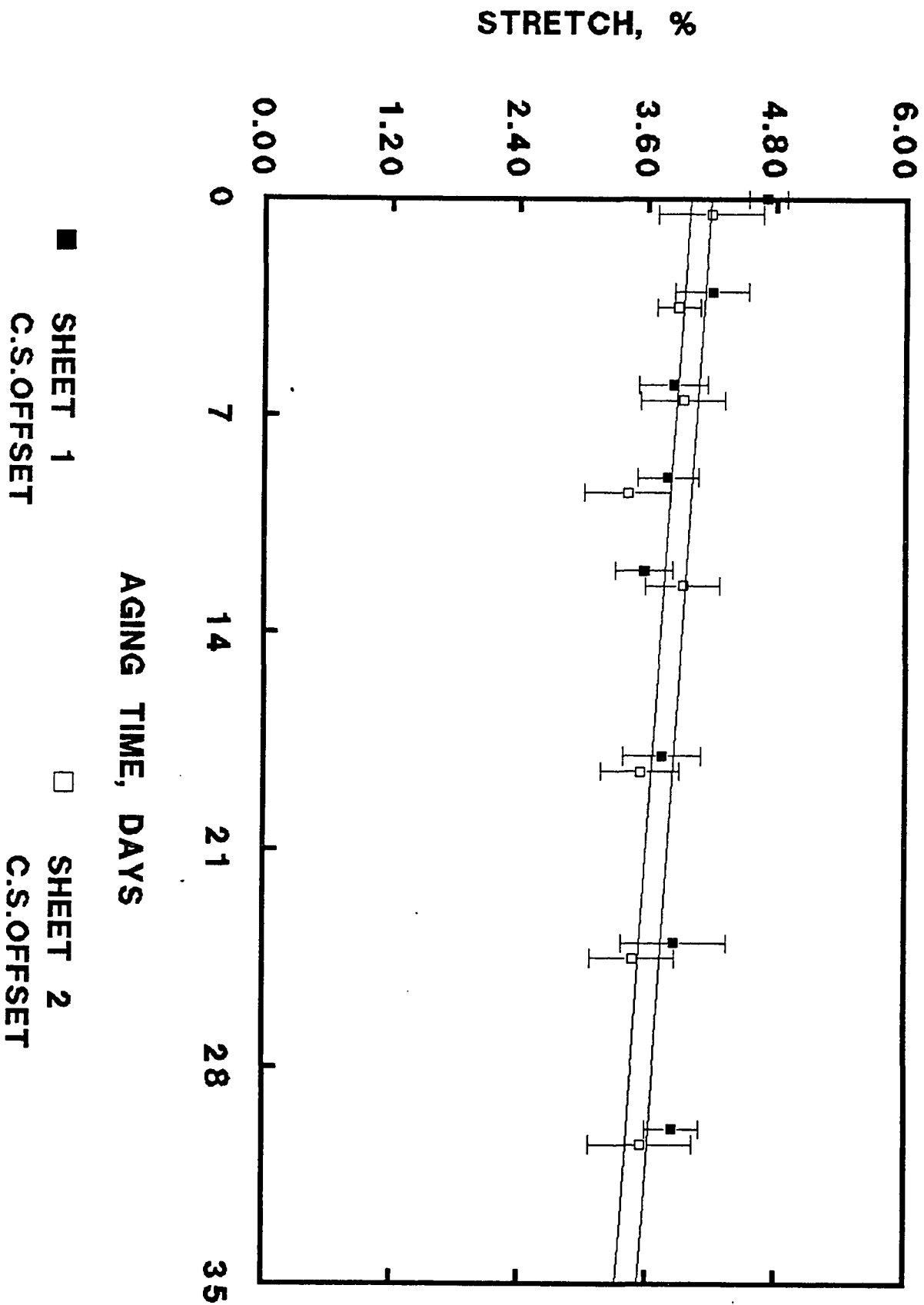
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



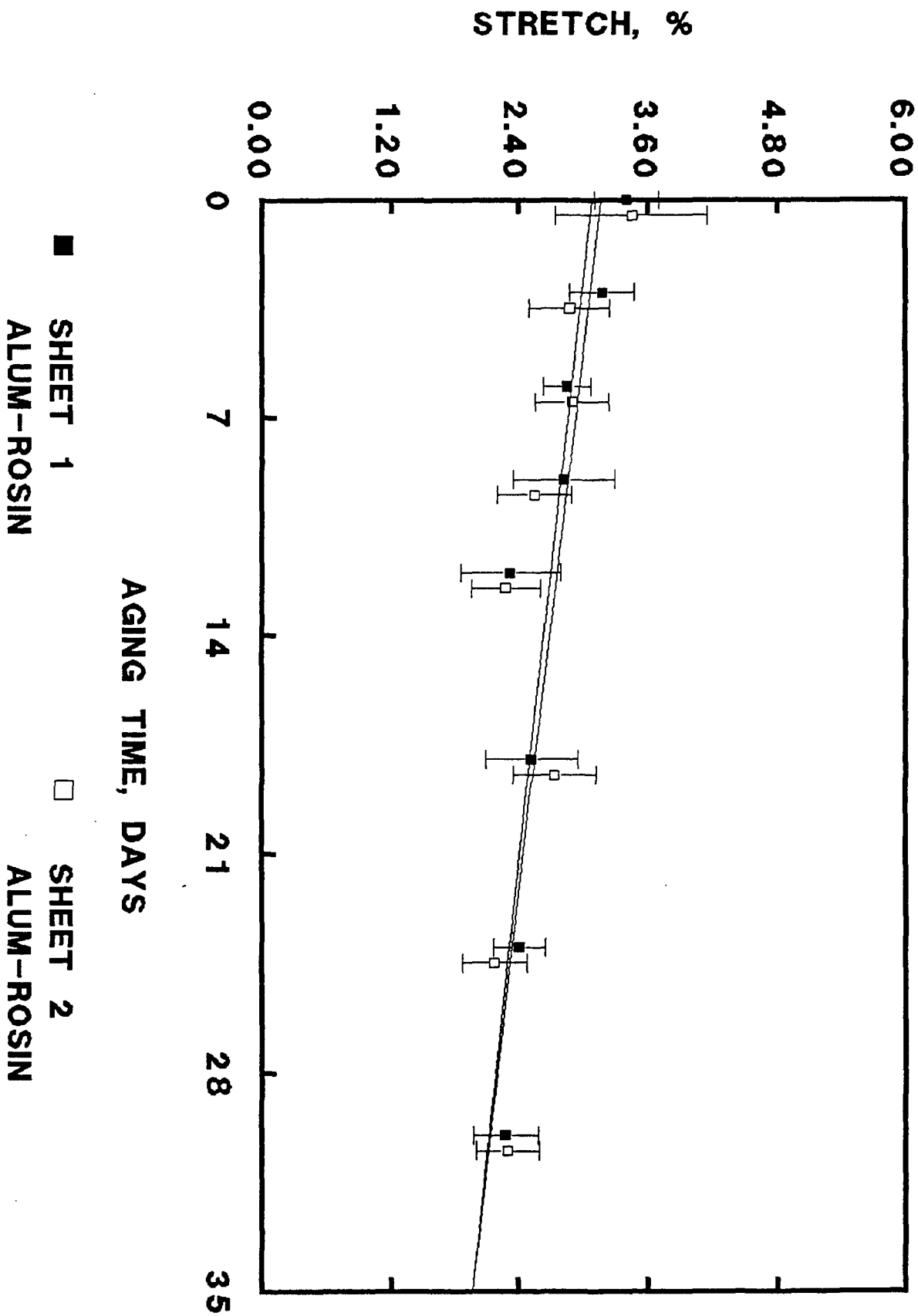
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



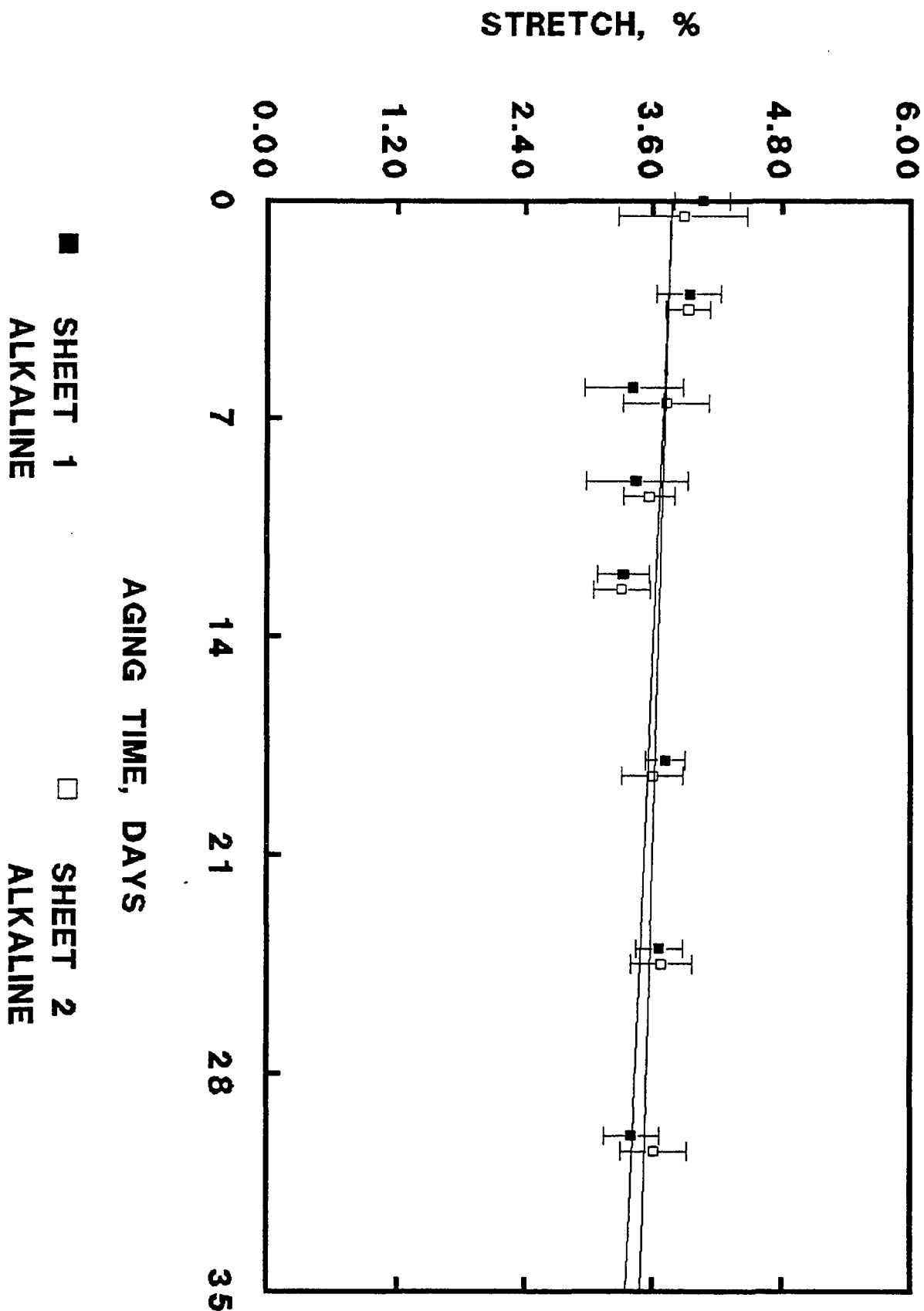
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



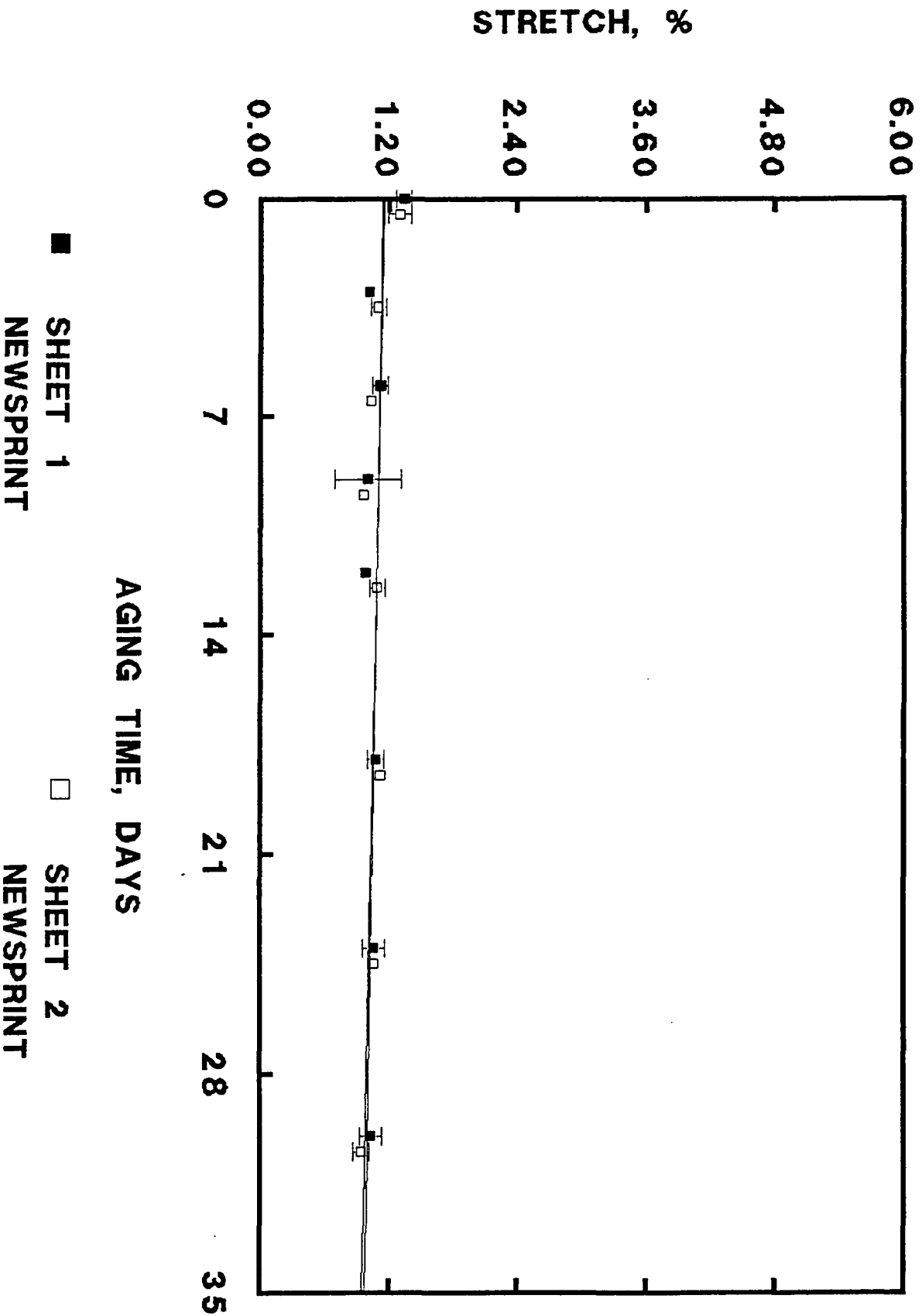
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



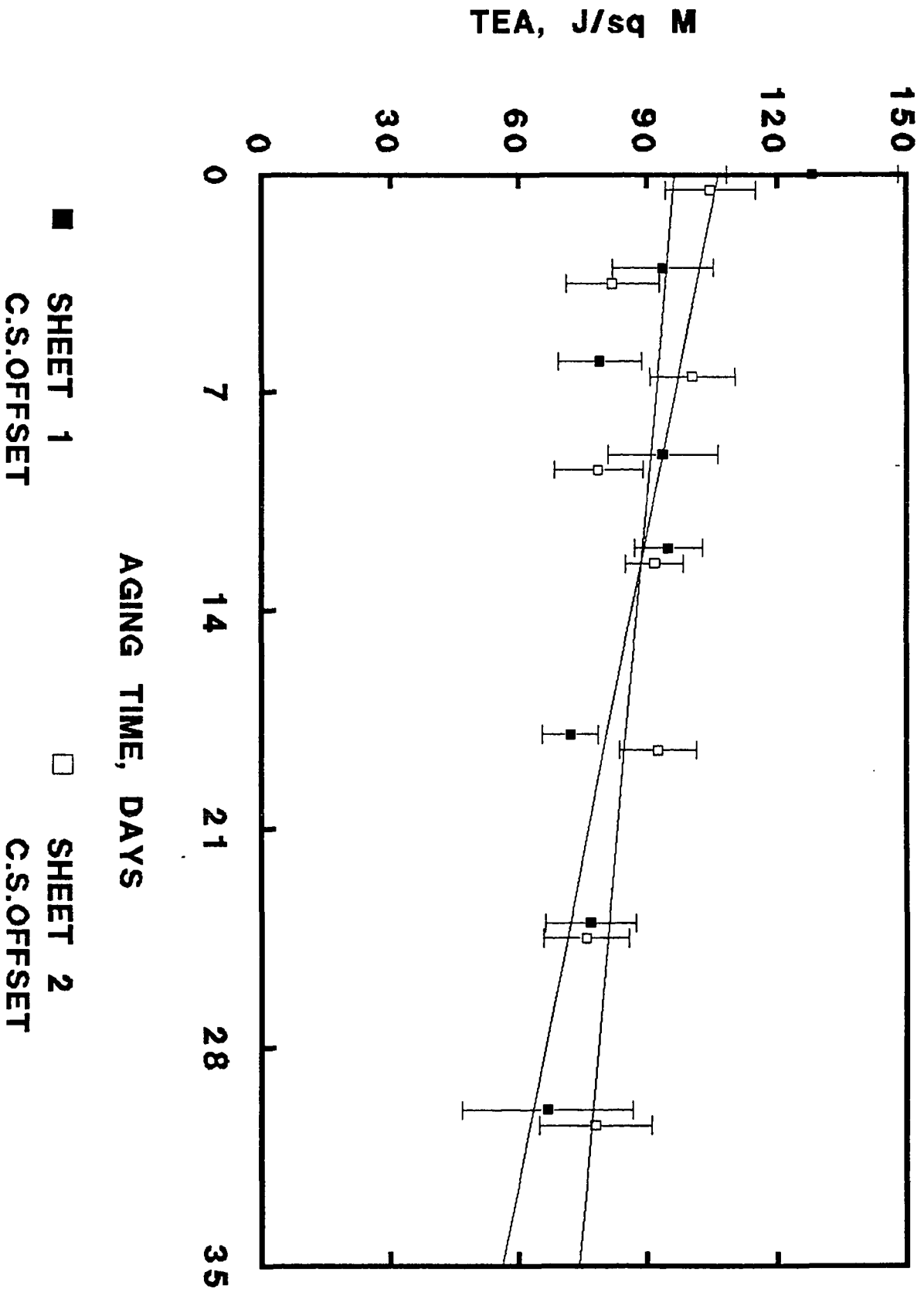
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



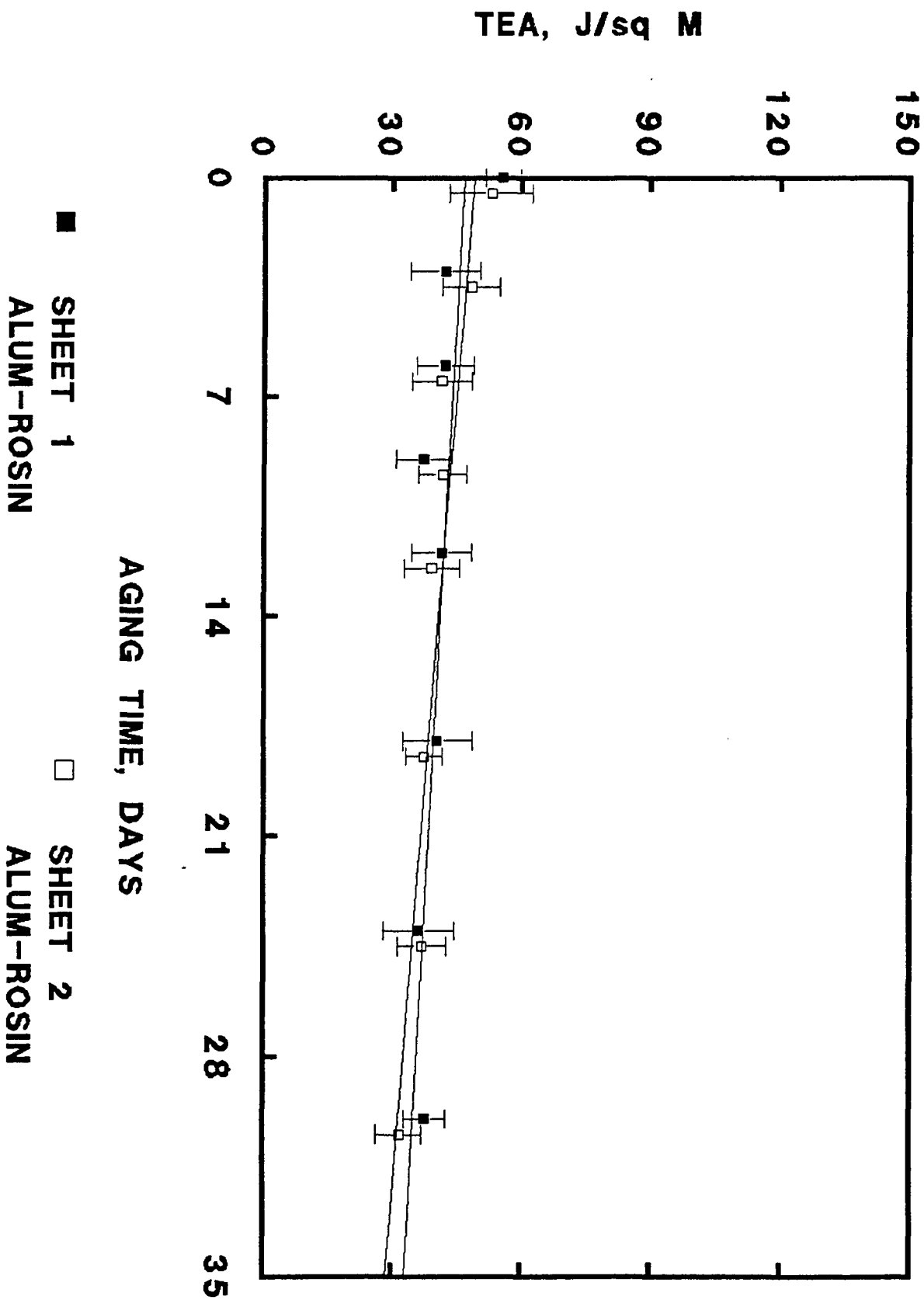
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



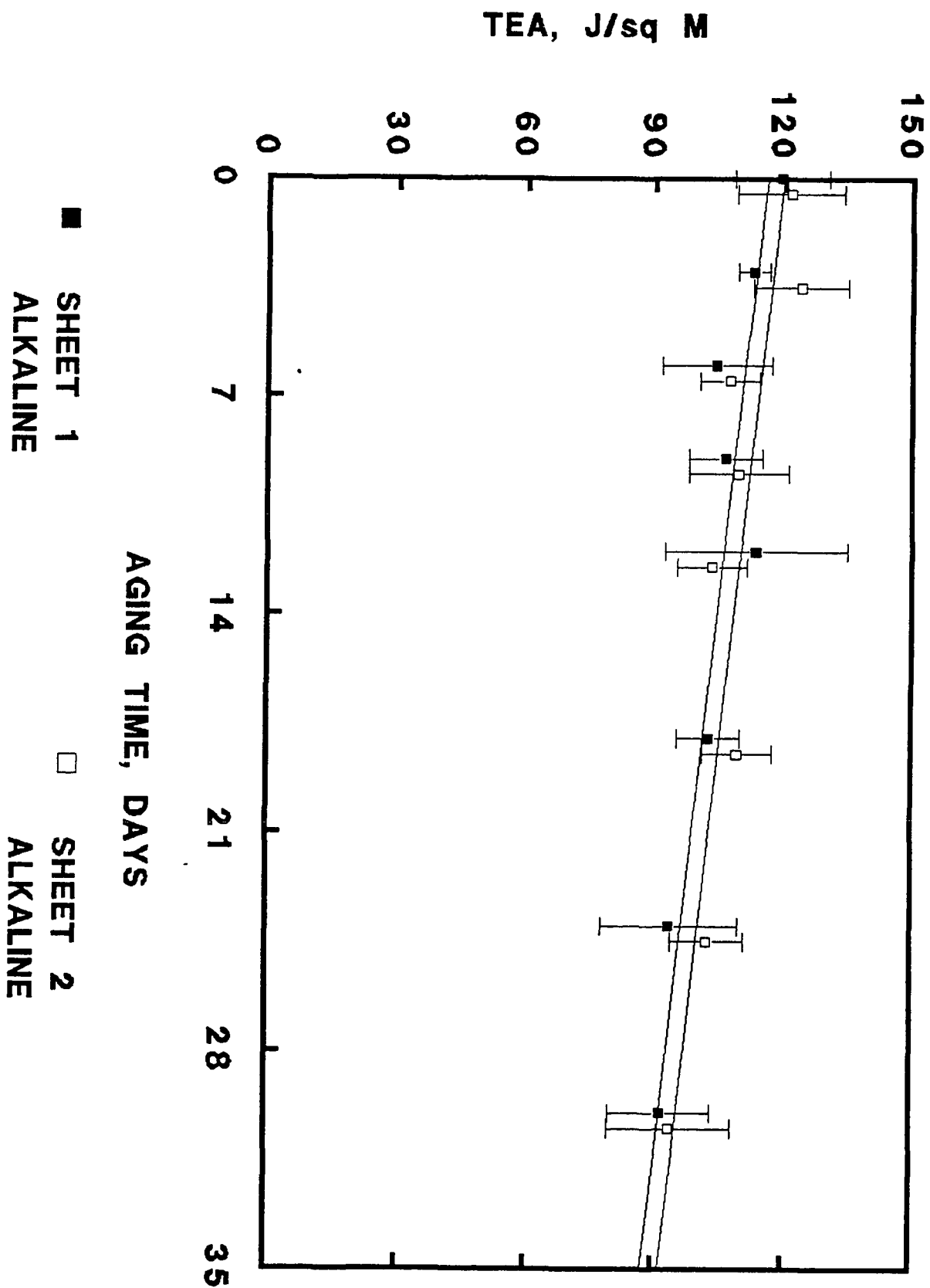
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



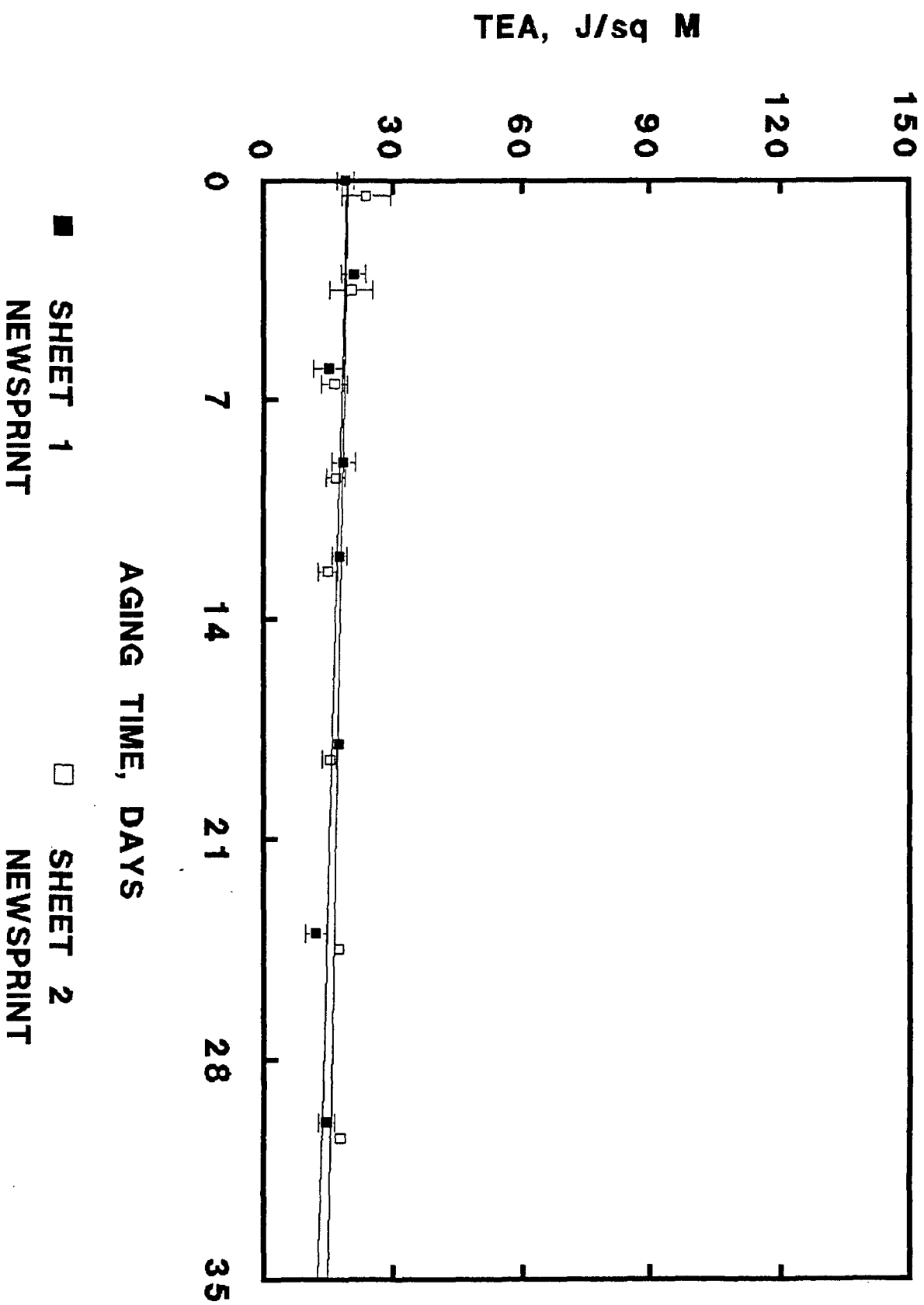
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



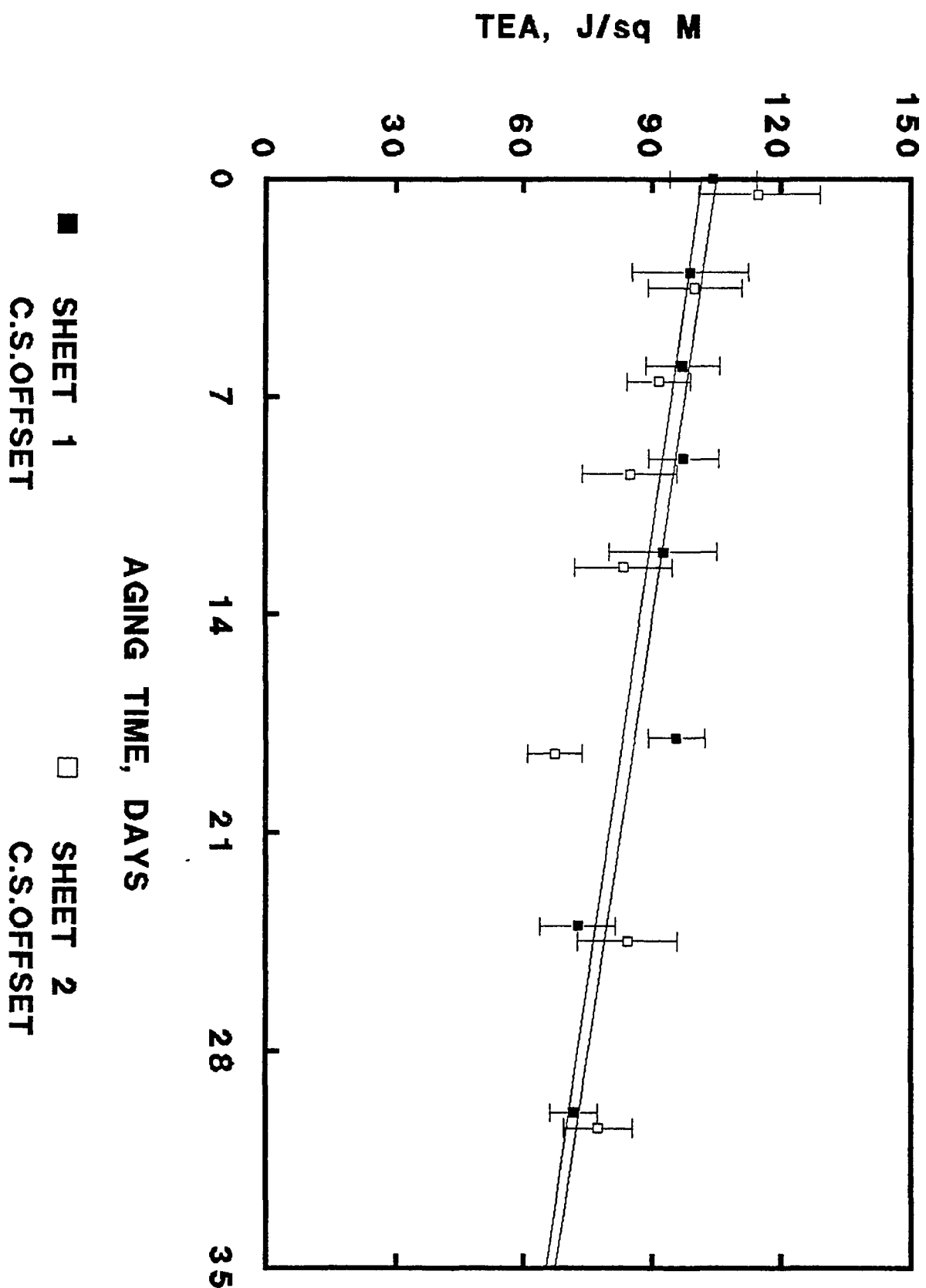
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



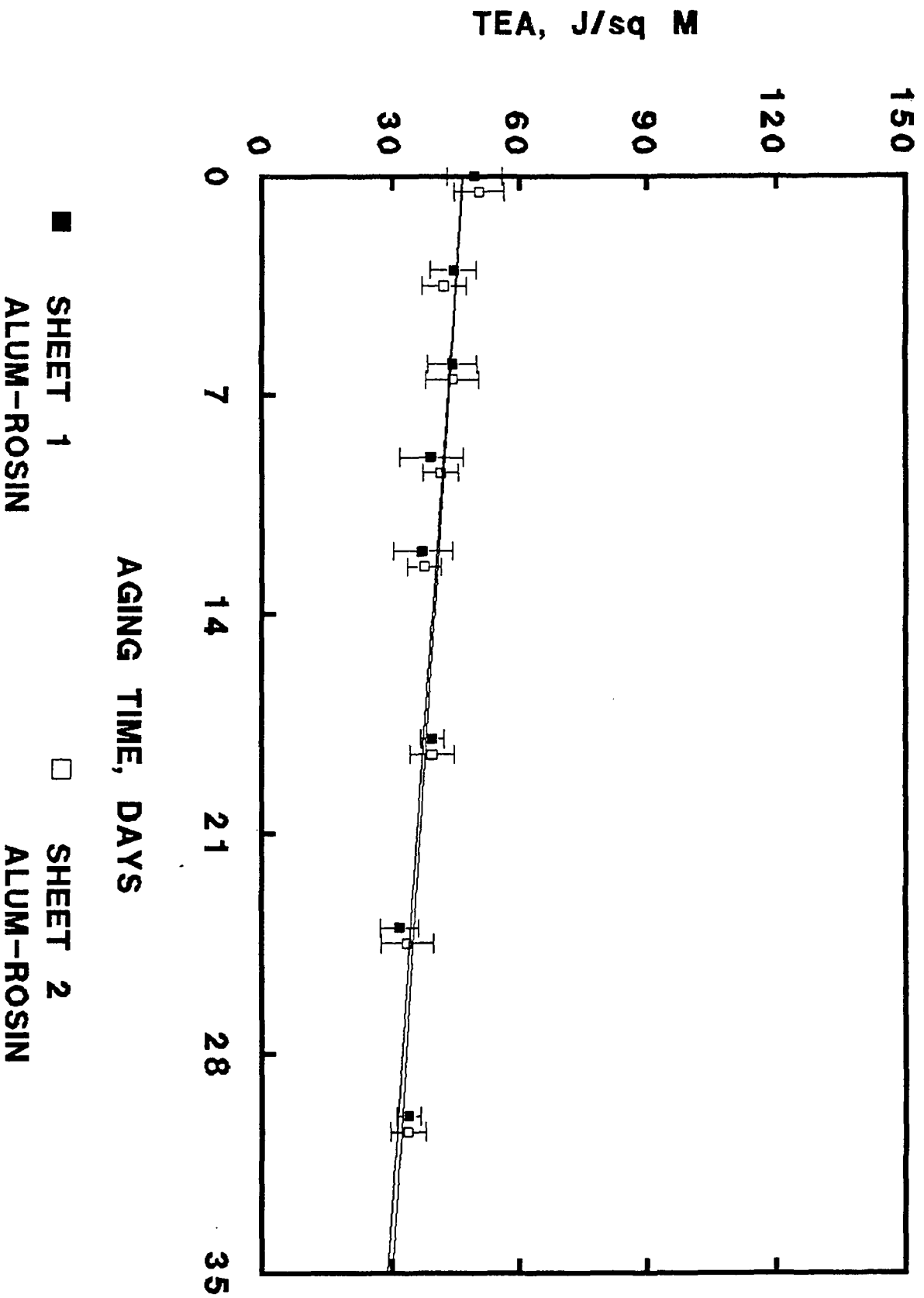
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304014



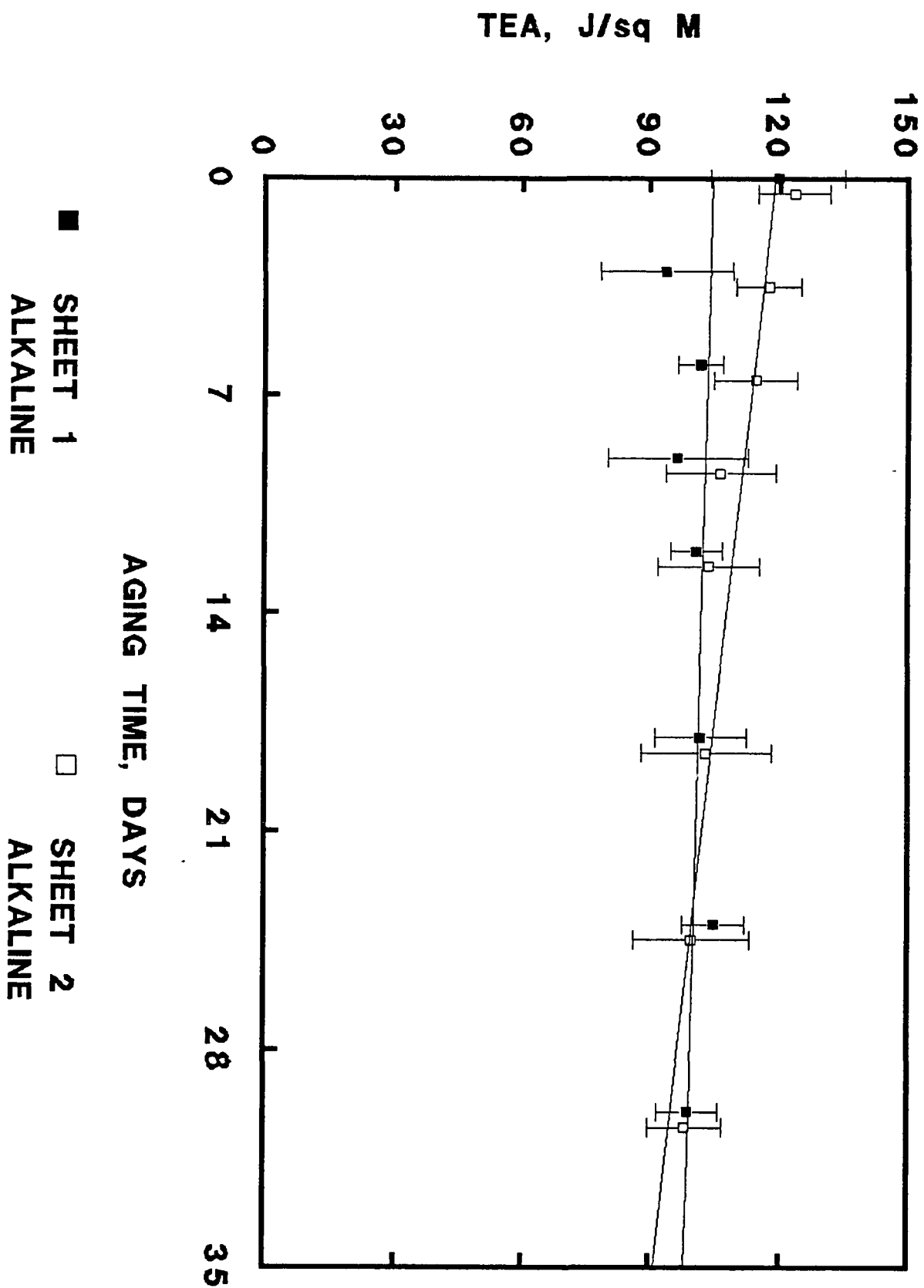
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



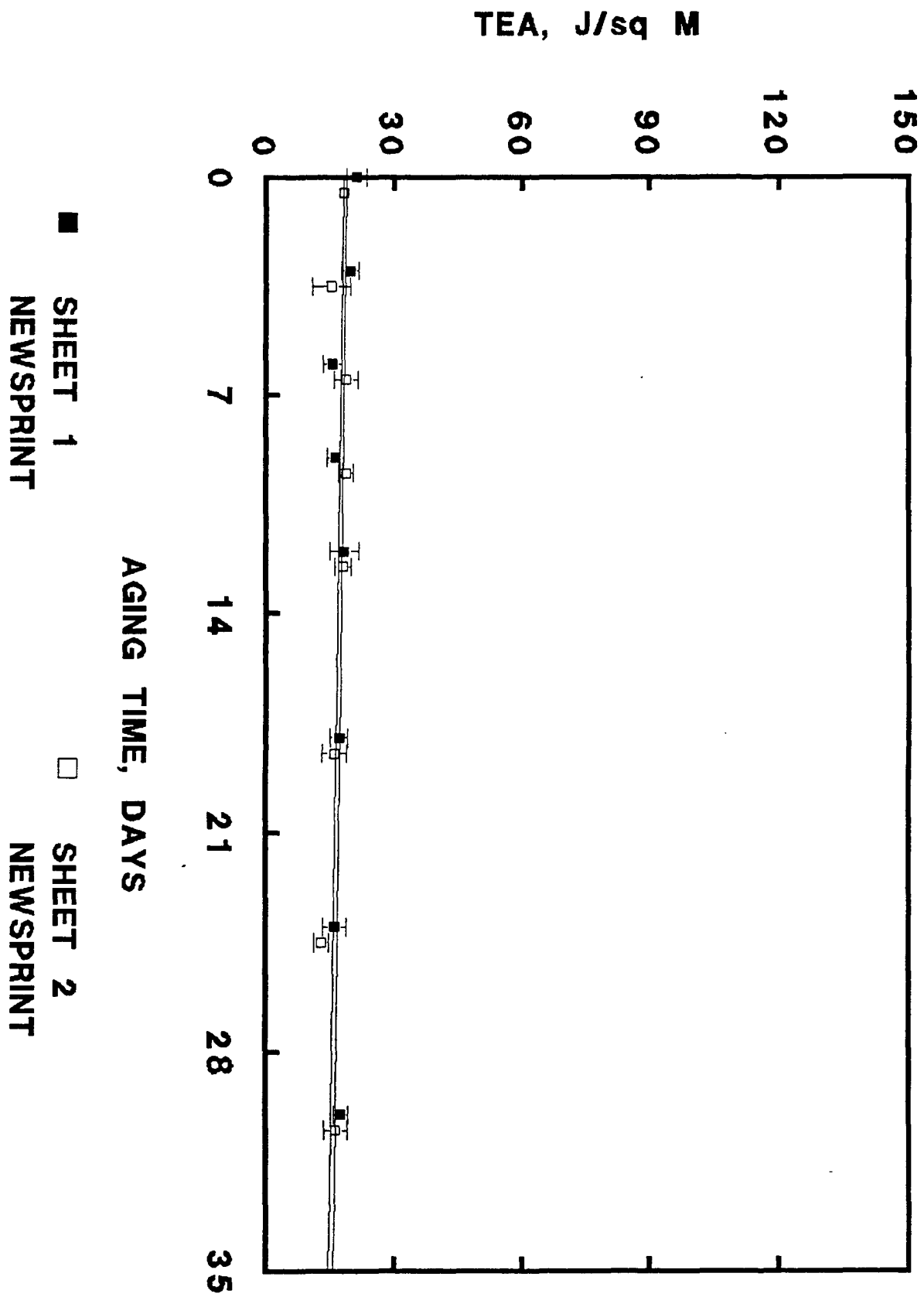
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



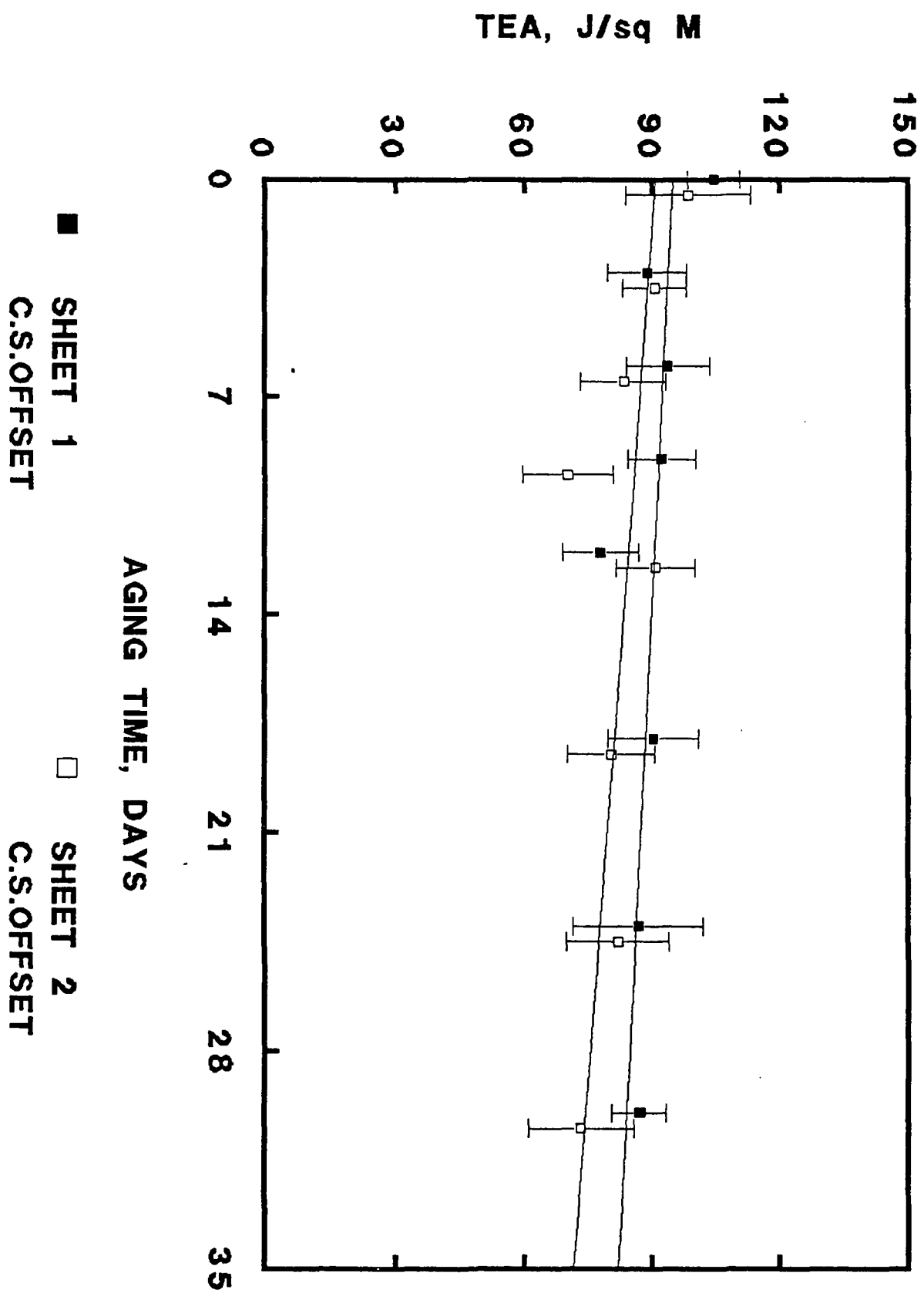
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



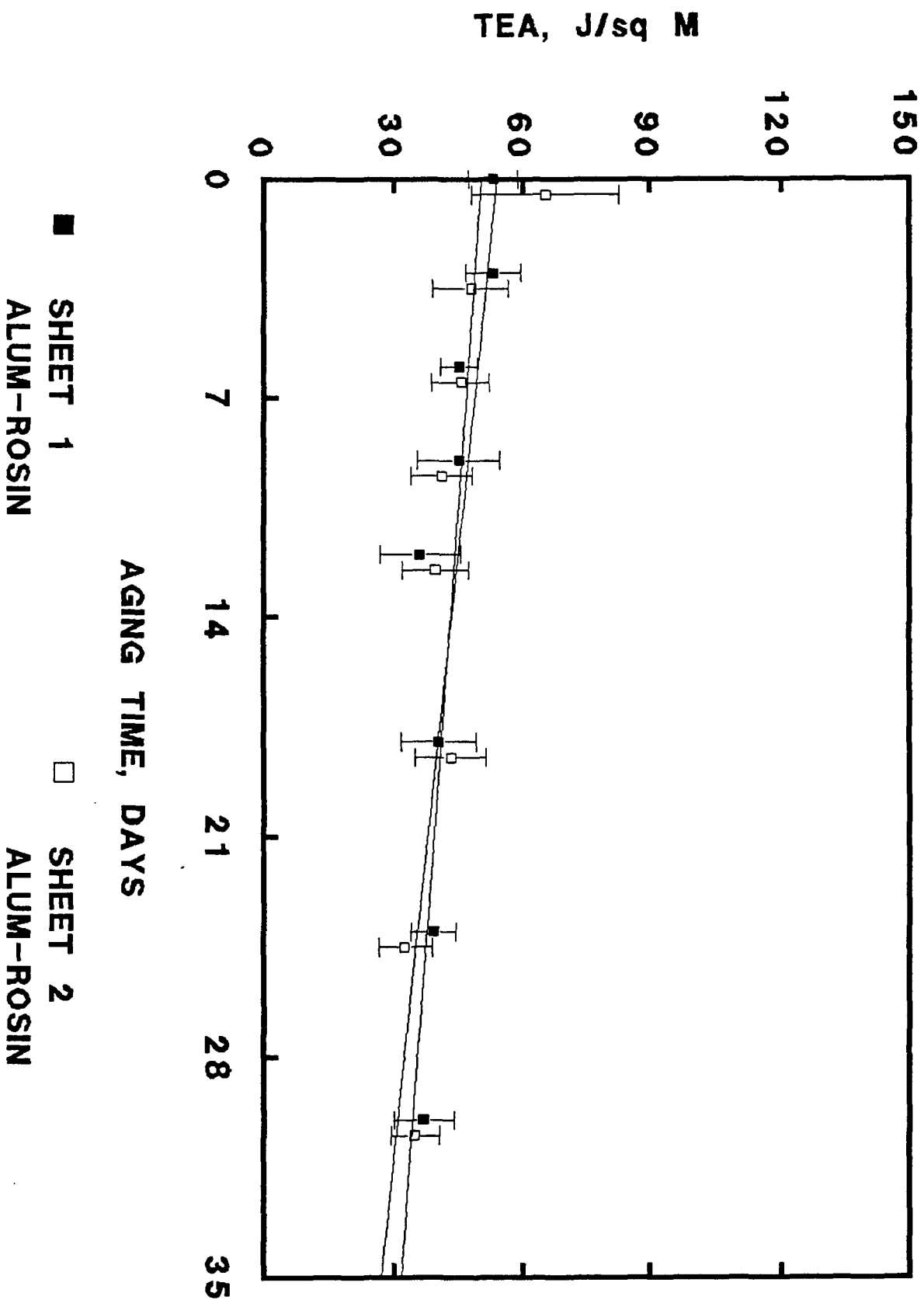
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304012



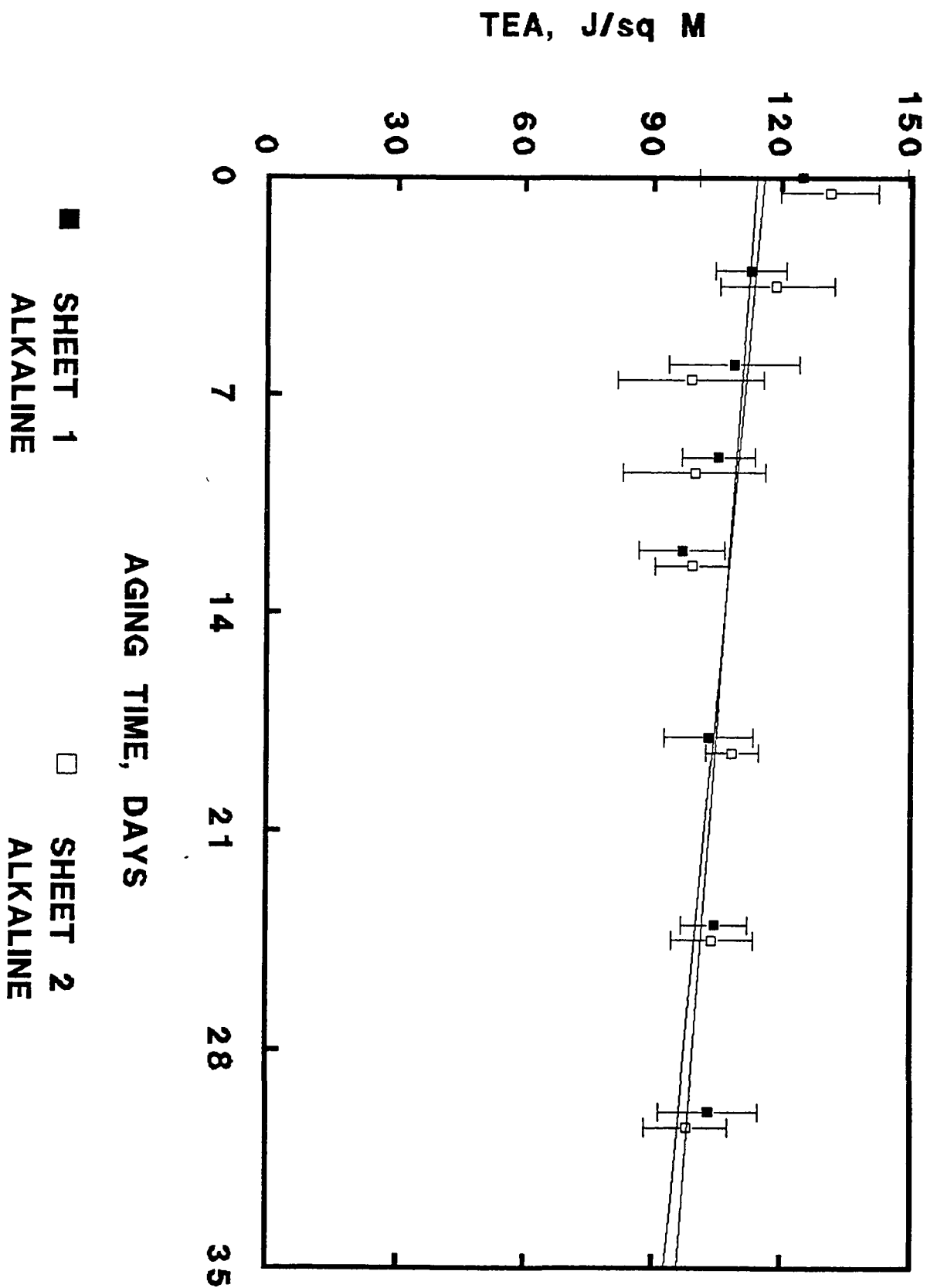
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



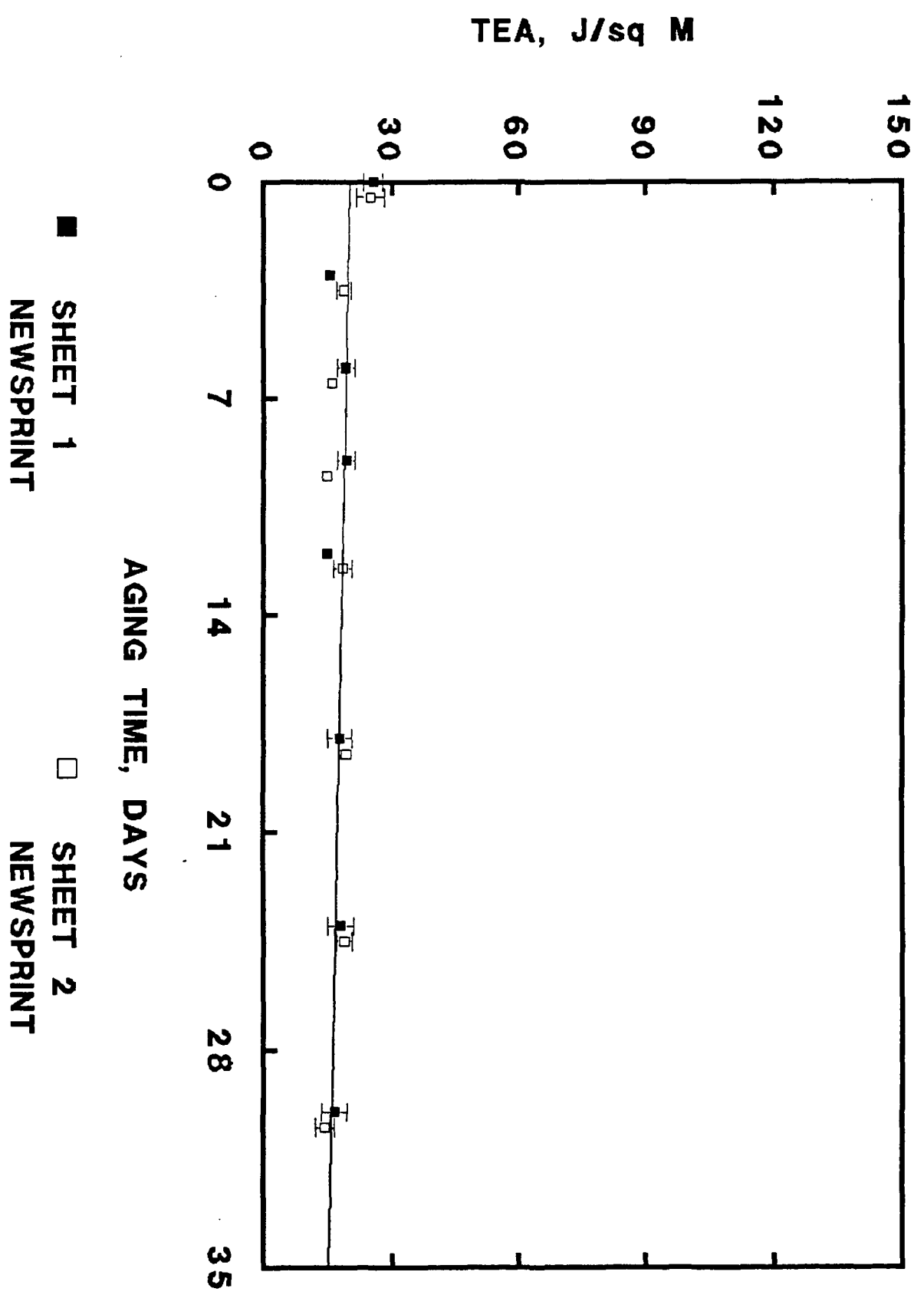
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304015



WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304019

Aging Time:

0 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
Tab Number			Tab Number		
1	<u>79.3</u>	<u>79.6</u>	1	<u>80.9</u>	<u>80.8</u>
2	<u>79.4</u>	<u>79.4</u>	2	<u>80.9</u>	<u>80.8</u>
3	<u>79.2</u>	<u>79.3</u>	3	<u>80.9</u>	<u>80.8</u>
4	<u>79.4</u>	<u>79.4</u>	4	<u>80.8</u>	<u>81.0</u>
5	<u>79.4</u>	<u>79.2</u>	5	<u>80.8</u>	<u>81.1</u>
6	<u>79.0</u>	<u>79.3</u>	6	<u>80.9</u>	<u>81.0</u>
7	<u>79.2</u>	<u>79.6</u>	7	<u>81.0</u>	<u>80.9</u>
8	<u>79.5</u>	<u>79.3</u>	8	<u>81.0</u>	<u>81.4</u>
9	<u>79.1</u>	<u>79.2</u>	9	<u>80.8</u>	<u>81.1</u>
Average	<u>79.3</u>	<u>79.4</u>	Average	<u>80.9</u>	<u>81.0</u>
Std. Dev.	<u>0.164</u>	<u>0.150</u>	Std. Dev	<u>0.078</u>	<u>0.196</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>78.9</u>	<u>78.9</u>	9	<u>77.2</u>	<u>77.6</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304019

Aging Time:

0 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>11</u>	<u>16</u>		<u>11</u>	<u>6</u>
Tab Number			Tab Number		
1	<u>85.8</u>	<u>85.6</u>	1	<u>45.6</u>	<u>47.3</u>
2	<u>85.8</u>	<u>85.7</u>	2	<u>45.9</u>	<u>47.2</u>
3	<u>85.6</u>	<u>85.7</u>	3	<u>45.4</u>	<u>46.7</u>
4	<u>85.5</u>	<u>85.6</u>	4	<u>45.7</u>	<u>47.6</u>
5	<u>85.5</u>	<u>85.4</u>	5	<u>45.9</u>	<u>47.2</u>
6	<u>85.6</u>	<u>85.6</u>	6	<u>45.6</u>	<u>46.9</u>
7	<u>85.8</u>	<u>85.6</u>	7	<u>45.9</u>	<u>47.0</u>
8	<u>85.6</u>	<u>85.5</u>	8	<u>45.8</u>	<u>47.4</u>
9	<u>85.5</u>	<u>85.4</u>	9	<u>45.7</u>	<u>46.6</u>
Average	<u>85.6</u>	<u>85.6</u>	Average	<u>45.7</u>	<u>47.1</u>
Std. Dev.	<u>0.132</u>	<u>0.112</u>	Std. Dev	<u>0.172</u>	<u>0.328</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>84.9</u>	<u>85</u>	9	<u>45.4</u>	<u>46.4</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304016

Aging Time:

0 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #

11

16

11

16

Tab
Number

Tab
Number

1

78.5

78.8

1

80.4

81.3

2

78.8

79.2

2

80.2

81.4

3

78.6

78.9

3

80.1

81.2

4

78.6

78.5

4

79.7

81.0

5

79.0

78.9

5

79.5

81.0

6

78.8

78.6

6

80.3

81.4

7

79.0

79.0

7

80.2

81.1

8

78.7

78.8

8

80.2

81.0

9

78.7

79.3

9

80.2

81.2

Average

78.7

78.9

Average

80.1

81.2

Std. Dev.

0.174

0.257

Std. Dev

0.299

0.164

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

78.4

79.1

9

77.0

77.0

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304016

Aging Time:

0 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>85.5</u>	<u>85.6</u>	1	<u>46.7</u>	<u>45.7</u>
2	<u>85.5</u>	<u>85.4</u>	2	<u>46.7</u>	<u>45.6</u>
3	<u>85.3</u>	<u>85.7</u>	3	<u>46.2</u>	<u>45.0</u>
4	<u>85.2</u>	<u>85.3</u>	4	<u>46.1</u>	<u>46.0</u>
5	<u>85.3</u>	<u>85.4</u>	5	<u>47.1</u>	<u>45.2</u>
6	<u>85.3</u>	<u>85.6</u>	6	<u>47.0</u>	<u>45.4</u>
7	<u>85.5</u>	<u>85.7</u>	7	<u>47.2</u>	<u>45.4</u>
8	<u>85.4</u>	<u>85.5</u>	8	<u>46.8</u>	<u>45.2</u>
9	<u>85.3</u>	<u>85.5</u>	9	<u>47.3</u>	<u>46.3</u>
Average	<u>85.4</u>	<u>85.5</u>	Average	<u>46.8</u>	<u>45.5</u>
Std. Dev.	<u>0.112</u>	<u>0.139</u>	Std. Dev	<u>0.420</u>	<u>0.415</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>84.9</u>	<u>85.1</u>	9	<u>47.3</u>	<u>46.2</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304018

Aging Time:

0 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>79.1</u>	<u>79.1</u>	1	<u>81.2</u>	<u>79.9</u>
2	<u>78.9</u>	<u>79.3</u>	2	<u>81.0</u>	<u>79.8</u>
3	<u>78.9</u>	<u>78.9</u>	3	<u>81.0</u>	<u>79.7</u>
4	<u>78.4</u>	<u>79.0</u>	4	<u>81.0</u>	<u>80.1</u>
5	<u>78.8</u>	<u>78.9</u>	5	<u>81.1</u>	<u>80.2</u>
6	<u>78.9</u>	<u>79.3</u>	6	<u>81.0</u>	<u>79.7</u>
7	<u>79.0</u>	<u>79.1</u>	7	<u>81.2</u>	<u>80.2</u>
8	<u>79.6</u>	<u>79.5</u>	8	<u>80.9</u>	<u>79.7</u>
9	<u>79.3</u>	<u>79.5</u>	9	<u>81.2</u>	<u>80.2</u>
Average	<u>79.0</u>	<u>79.2</u>	Average	<u>81.1</u>	<u>79.9</u>
Std. Dev.	<u>0.333</u>	<u>0.233</u>	Std. Dev	<u>0.112</u>	<u>0.230</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>78.9</u>	<u>79.1</u>	9	<u>77.6</u>	<u>77.0</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304018

Aging Time:

0 days

Brightness, %

BOOK PART LETTER KBOOK PART LETTER M

<u>Sheet #</u>	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>85.8</u>	<u>85.7</u>	1	<u>46.8</u>	<u>47.1</u>
2	<u>85.5</u>	<u>85.4</u>	2	<u>47.1</u>	<u>46.6</u>
3	<u>85.7</u>	<u>85.7</u>	3	<u>46.1</u>	<u>47.1</u>
4	<u>85.6</u>	<u>85.8</u>	4	<u>47.1</u>	<u>46.9</u>
5	<u>85.6</u>	<u>85.7</u>	5	<u>46.8</u>	<u>47.2</u>
6	<u>85.8</u>	<u>85.7</u>	6	<u>46.6</u>	<u>47.6</u>
7	<u>85.6</u>	<u>85.6</u>	7	<u>46.6</u>	<u>47.8</u>
8	<u>85.6</u>	<u>85.5</u>	8	<u>46.9</u>	<u>47.3</u>
9	<u>85.7</u>	<u>85.6</u>	9	<u>46.3</u>	<u>47.2</u>
Average	<u>85.7</u>	<u>85.6</u>	Average	<u>46.7</u>	<u>47.2</u>
Std. Dev.	<u>0.101</u>	<u>0.122</u>	Std. Dev	<u>0.339</u>	<u>0.354</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>85.2</u>	<u>85.2</u>	9	<u>45.6</u>	<u>47.0</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304019

Aging Time:

3 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #

3

7

3

7

Tab
Number

Tab
Number

1

74.3

75.4

1

73.9

72.4

2

74.6

75.4

2

73.0

72.1

3

74.8

75.6

3

73.9

72.9

4

74.2

74.8

4

73.5

72.5

5

74.2

74.6

5

73.6

72.2

6

74.4

74.8

6

74.1

72.5

7

74.0

74.8

7

73.0

72.0

8

74.2

75.2

8

73.1

72.8

9

74.5

75.0

9

74.4

72.8

Average

74.4

75.1

Average

73.6

72.5

Std. Dev.

0.246

0.346

Std. Dev

0.506

0.324

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

74.4

74.8

9

71.7

70.1

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304019

Aging Time:

3 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #

3

7

3

7

Tab
Number

Tab
Number

1

80.8

81.6

1

37.4

37.1

2

80.7

81.6

2

37.3

36.9

3

80.9

81.6

3

36.2

36.6

4

80.8

81.3

4

37.2

37.3

5

80.6

80.8

5

37.6

37.3

6

80.0

81.2

6

36.9

36.5

7

81.0

81.5

7

37.6

37.1

8

80.8

81.0

8

37.0

36.9

9

80.9

81.0

9

37.3

36.8

Average

80.7

81.3

Average

37.2

36.9

Std. Dev. 0.295

0.306

Std. Dev

0.433

0.283

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

80.5

80.9

9

37.2

36.7

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304016

Aging Time:

3 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>3</u>	<u>7</u>		<u>3</u>	<u>7</u>
<u>Tab Number</u>				<u>Tab Number</u>	
1	<u>74.7</u>	<u>73.8</u>		1	<u>73.5</u> <u>72.2</u>
2	<u>75.5</u>	<u>73.0</u>		2	<u>73.7</u> <u>72.4</u>
3	<u>74.8</u>	<u>74.0</u>		3	<u>73.4</u> <u>71.6</u>
4	<u>74.7</u>	<u>73.6</u>		4	<u>72.6</u> <u>71.0</u>
5	<u>74.5</u>	<u>73.9</u>		5	<u>73.0</u> <u>71.4</u>
6	<u>73.7</u>	<u>73.8</u>		6	<u>73.6</u> <u>71.8</u>
7	<u>74.7</u>	<u>73.8</u>		7	<u>73.6</u> <u>72.2</u>
8	<u>75.0</u>	<u>74.3</u>		8	<u>73.9</u> <u>71.9</u>
9	<u>74.6</u>	<u>74.0</u>		9	<u>74.5</u> <u>72.1</u>
Average	<u>74.7</u>	<u>73.8</u>		Average	<u>73.5</u> <u>71.8</u>
Std. Dev.	<u>0.473</u>	<u>0.357</u>		Std. Dev	<u>0.534</u> <u>0.448</u>

Brightness without
Fluorence, %

<u>Tab Number</u>				<u>Tab Number</u>	
9	<u>74.6</u>	<u>73.9</u>		9	<u>71.8</u> <u>69.6</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304016

Aging Time:

3 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

BOOK PART LETTER <u>K</u>			BOOK PART LETTER <u>M</u>		
Sheet #	<u>3</u>	<u>7</u>		<u>3</u>	<u>7</u>
Tab Number			Tab Number		
1	<u>81.2</u>	<u>80.8</u>	1	<u>34.8</u>	<u>34.3</u>
2	<u>80.9</u>	<u>80.9</u>	2	<u>35.0</u>	<u>33.5</u>
3	<u>81.2</u>	<u>80.8</u>	3	<u>34.5</u>	<u>33.4</u>
4	<u>80.7</u>	<u>80.1</u>	4	<u>34.8</u>	<u>34.4</u>
5	<u>81.3</u>	<u>80.5</u>	5	<u>34.9</u>	<u>34.2</u>
6	<u>80.6</u>	<u>80.9</u>	6	<u>33.7</u>	<u>33.4</u>
7	<u>81.0</u>	<u>81.0</u>	7	<u>35.7</u>	<u>35.8</u>
8	<u>81.2</u>	<u>80.8</u>	8	<u>35.7</u>	<u>34.0</u>
9	<u>80.8</u>	<u>80.6</u>	9	<u>34.0</u>	<u>34.1</u>
Average	<u>81.0</u>	<u>80.7</u>	Average	<u>34.8</u>	<u>34.1</u>
Std. Dev.	<u>0.252</u>	<u>0.276</u>	Std. Dev	<u>0.672</u>	<u>0.740</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>80.4</u>	<u>80.2</u>	9	<u>33.9</u>	<u>33.8</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304018

Aging Time:

3 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #

3

7

3

7

Tab
Number

Tab
Number

1

74.7

74.4

1

72.4

74.3

2

75.5

75.1

2

72.7

74.4

3

75.1

74.3

3

72.2

74.2

4

75.5

74.4

4

72.6

74.3

5

75.2

74.3

5

72.1

73.7

6

75.5

74.5

6

72.9

74.0

7

75.5

74.7

7

72.8

74.6

8

75.7

75.0

8

72.9

74.8

9

74.9

74.5

9

72.9

74.3

Average

75.3

74.6

Average

72.6

74.3

Std. Dev.

0.333

0.295

Std. Dev

0.310

0.318

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

74.7

74.2

9

70.3

71.2

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time:

3 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>3</u>	<u>7</u>		<u>3</u>	<u>7</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>81.4</u>	<u>80.8</u>	1	<u>35.1</u>	<u>35.0</u>
2	<u>81.5</u>	<u>80.9</u>	2	<u>34.9</u>	<u>35.8</u>
3	<u>81.4</u>	<u>81.2</u>	3	<u>35.2</u>	<u>34.6</u>
4	<u>81.8</u>	<u>81.2</u>	4	<u>36.3</u>	<u>36.1</u>
5	<u>81.7</u>	<u>81.3</u>	5	<u>35.7</u>	<u>36.6</u>
6	<u>81.4</u>	<u>80.9</u>	6	<u>35.5</u>	<u>36.9</u>
7	<u>81.8</u>	<u>81.7</u>	7	<u>36.1</u>	<u>37.1</u>
8	<u>81.5</u>	<u>81.1</u>	8	<u>36.5</u>	<u>37.1</u>
9	<u>81.5</u>	<u>81.0</u>	9	<u>36.3</u>	<u>37.0</u>
Average	<u>81.6</u>	<u>81.1</u>	Average	<u>35.7</u>	<u>36.2</u>
Std. Dev.	<u>0.167</u>	<u>0.273</u>	Std. Dev	<u>0.592</u>	<u>0.940</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>81.0</u>	<u>80.6</u>	9	<u>36.1</u>	<u>36.7</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304019

Aging Time:

6 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>10</u>	<u>15</u>		<u>10</u>	<u>15</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>72.8</u>	<u>73.2</u>	1	<u>71.6</u>	<u>71.2</u>
2	<u>72.9</u>	<u>73.8</u>	2	<u>71.8</u>	<u>71.3</u>
3	<u>73.3</u>	<u>73.0</u>	3	<u>71.6</u>	<u>71.2</u>
4	<u>72.3</u>	<u>73.5</u>	4	<u>70.9</u>	<u>71.0</u>
5	<u>72.4</u>	<u>72.9</u>	5	<u>71.5</u>	<u>71.7</u>
6	<u>73.2</u>	<u>72.8</u>	6	<u>72.1</u>	<u>71.6</u>
7	<u>71.9</u>	<u>72.5</u>	7	<u>71.8</u>	<u>71.1</u>
8	<u>72.9</u>	<u>73.2</u>	8	<u>71.9</u>	<u>71.6</u>
9	<u>72.5</u>	<u>72.6</u>	9	<u>71.8</u>	<u>71.5</u>
Average	<u>72.7</u>	<u>73.1</u>	Average	<u>71.7</u>	<u>71.4</u>
Std. Dev.	<u>0.451</u>	<u>0.419</u>	Std. Dev	<u>0.339</u>	<u>0.251</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>72.2</u>	<u>72.3</u>	9	<u>69.2</u>	<u>69.2</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

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Aging Time:

6 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet # 10

15

10

15

Tab
Number

Tab
Number

1 79.7

78.7

1 33.5

31.7

2 79.4

79.1

2 32.3

35.8

3 80.2

79.5

3 29.5

35.2

4 78.9

78.5

4 30.6

33.4

5 79.0

78.5

5 32.0

33.8

6 81.0

79.6

6 32.1

36.5

7 80.0

78.3

7 31.6

32.5

8 78.9

77.9

8 32.1

34.9

9 80.0

78.5

9 31.0

33.8

Average 79.7

78.7

Average 31.6

34.2

Std. Dev. 0.705

0.561

Std. Dev 1.147

1.559

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9 79.7

78.1

9 30.8

33.7

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time:

6 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>10</u>	<u>15</u>		<u>10</u>	<u>15</u>	
<u>Tab Number</u>				<u>Tab Number</u>		
1	<u>71.7</u>	<u>72.7</u>		1	<u>71.5</u>	<u>71.6</u>
2	<u>72.9</u>	<u>72.1</u>		2	<u>72.1</u>	<u>71.7</u>
3	<u>72.8</u>	<u>72.6</u>		3	<u>71.4</u>	<u>72.1</u>
4	<u>71.5</u>	<u>72.3</u>		4	<u>70.6</u>	<u>70.5</u>
5	<u>72.0</u>	<u>72.2</u>		5	<u>70.8</u>	<u>71.5</u>
6	<u>73.5</u>	<u>72.5</u>		6	<u>71.9</u>	<u>72.3</u>
7	<u>72.4</u>	<u>72.5</u>		7	<u>71.2</u>	<u>71.6</u>
8	<u>72.7</u>	<u>72.6</u>		8	<u>71.2</u>	<u>71.0</u>
9	<u>72.4</u>	<u>72.8</u>		9	<u>71.3</u>	<u>71.5</u>
Average	<u>72.4</u>	<u>72.5</u>		Average	<u>71.3</u>	<u>71.5</u>
Std. Dev.	0.628	0.233		Std. Dev	0.474	0.536

Brightness without
Fluorence, %

<u>Tab Number</u>				<u>Tab Number</u>		
9	<u>72.2</u>	<u>72.7</u>		9	<u>68.9</u>	<u>69.2</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

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Aging Time:

6 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet # 10

15

10

15

Tab
Number

Tab
Number

1 79.5

79.0

1 29.0

32.9

2 80.0

78.3

2 29.4

34.4

3 80.9

79.0

3 27.9

30.2

4 78.6

78.5

4 28.1

36.5

5 79.0

77.9

5 29.1

32.5

6 79.4

79.9

6 30.3

32.0

7 80.6

79.4

7 32.4

32.6

8 80.0

78.8

8 28.5

35.6

9 79.5

79.2

9 31.8

35.8

Average 79.7

78.9

Average 29.6

33.6

Std. Dev. 0.733

0.601

Std. Dev 1.588

2.083

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9 79.1

78.9

9 31.8

35.3

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time:

6 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #	<u>10</u>	<u>15</u>		<u>10</u>	<u>15</u>
Tab Number			Tab Number		
1	<u>72.5</u>	<u>72.4</u>	1	<u>70.2</u>	<u>70.8</u>
2	<u>73.7</u>	<u>72.7</u>	2	<u>70.0</u>	<u>70.3</u>
3	<u>72.7</u>	<u>72.7</u>	3	<u>70.2</u>	<u>70.6</u>
4	<u>72.8</u>	<u>72.2</u>	4	<u>70.4</u>	<u>70.9</u>
5	<u>72.2</u>	<u>72.5</u>	5	<u>70.2</u>	<u>70.9</u>
6	<u>72.7</u>	<u>72.8</u>	6	<u>70.0</u>	<u>70.7</u>
7	<u>73.7</u>	<u>72.7</u>	7	<u>70.5</u>	<u>71.8</u>
8	<u>73.7</u>	<u>73.4</u>	8	<u>70.4</u>	<u>70.5</u>
9	<u>73.6</u>	<u>72.6</u>	9	<u>70.2</u>	<u>71.2</u>
Average	<u>73.1</u>	<u>72.7</u>	Average	<u>70.2</u>	<u>70.9</u>
Std. Dev.	<u>0.602</u>	<u>0.332</u>	Std. Dev	<u>0.173</u>	<u>0.439</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>73.4</u>	<u>72.4</u>	9	<u>68.0</u>	<u>69.0</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

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6 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>10</u>	<u>15</u>		<u>10</u>	<u>15</u>
<u>Tab Number</u>				<u>Tab Number</u>	
1	<u>80.3</u>	<u>80.2</u>		1	<u>31.6</u> <u>31.0</u>
2	<u>79.8</u>	<u>79.2</u>		2	<u>31.5</u> <u>31.0</u>
3	<u>80.1</u>	<u>79.1</u>		3	<u>29.8</u> <u>32.5</u>
4	<u>80.4</u>	<u>79.9</u>		4	<u>32.7</u> <u>31.2</u>
5	<u>80.4</u>	<u>79.6</u>		5	<u>31.6</u> <u>31.0</u>
6	<u>80.2</u>	<u>80.0</u>		6	<u>34.3</u> <u>33.5</u>
7	<u>80.6</u>	<u>79.8</u>		7	<u>32.3</u> <u>32.8</u>
8	<u>80.3</u>	<u>79.7</u>		8	<u>33.7</u> <u>32.7</u>
9	<u>80.2</u>	<u>80.0</u>		9	<u>33.8</u> <u>32.3</u>
Average	<u>80.3</u>	<u>79.7</u>		Average	<u>32.4</u> <u>32.0</u>
Std. Dev.	<u>0.224</u>	<u>0.370</u>		Std. Dev	<u>1.423</u> <u>0.959</u>

Brightness without
Fluorence, %

<u>Tab Number</u>				<u>Tab Number</u>	
9	<u>79.8</u>	<u>79.7</u>		9	<u>33.5</u> <u>32.1</u>

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BRIGHTNESS DATA

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Aging Time:

9 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #

4

6

4

6

Tab
Number

Tab
Number

1

71.9

71.7

1

71.2

71.0

2

72.0

72.4

2

70.8

70.9

3

72.4

72.8

3

71.0

71.6

4

72.4

71.2

4

71.4

71.8

5

71.8

70.8

5

71.0

71.4

6

71.6

70.9

6

70.9

71.6

7

72.3

71.5

7

71.3

71.8

8

72.1

72.2

8

70.9

72.0

9

71.8

71.8

9

70.9

71.2

Average

72.0

71.7

Average

71.0

71.5

Std. Dev.

0.287

0.680

Std. Dev

0.207

0.380

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

71.5

71.6

9

68.6

68.8

WEI T'ò ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time:

9 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #					
<u>4</u>			<u>6</u>		
Tab Number			Tab Number		
1	<u>78.7</u>	<u>78.3</u>	1	<u>33.4</u>	*No Sheet
2	<u>78.7</u>	<u>78.0</u>	2	<u>30.6</u>	
3	<u>79.1</u>	<u>78.4</u>	3	<u>29.0</u>	
4	<u>78.9</u>	<u>78.4</u>	4	<u>30.9</u>	
5	<u>78.7</u>	<u>78.0</u>	5	<u>31.3</u>	
6	<u>79.8</u>	<u>79.7</u>	6	<u>30.2</u>	
7	<u>79.1</u>	<u>78.6</u>	7	<u>32.8</u>	
8	<u>79.1</u>	<u>78.9</u>	8	<u>31.1</u>	
9	<u>79.5</u>	<u>78.9</u>	9	<u>30.1</u>	
Average	<u>79.1</u>	<u>78.6</u>	Average	<u>31.0</u>	
Std. Dev.	<u>0.381</u>	<u>0.533</u>	Std. Dev	<u>1.356</u>	

Brightness without
Fluorence, %

Tab Number					
9	<u>79.2</u>	<u>78.5</u>		<u>30.1</u>	

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BRIGHTNESS DATA

CONTROL NUMBER

304016

Aging Time:

9 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #					
<u>4</u>			<u>6</u>		
Tab Number			Tab Number		
1	<u>71.1</u>	<u>71.7</u>	1	<u>78.8</u>	<u>69.2</u>
2	<u>71.1</u>	<u>71.5</u>	2	<u>78.4</u>	<u>69.3</u>
3	<u>71.6</u>	<u>71.2</u>	3	<u>78.2</u>	<u>68.7</u>
4	<u>71.2</u>	<u>71.8</u>	4	<u>78.5</u>	<u>68.3</u>
5	<u>70.8</u>	<u>71.1</u>	5	<u>78.6</u>	<u>68.5</u>
6	<u>70.2</u>	<u>70.5</u>	6	<u>78.8</u>	<u>69.3</u>
7	<u>72.6</u>	<u>72.2</u>	7	<u>79.1</u>	<u>69.7</u>
8	<u>71.8</u>	<u>71.4</u>	8	<u>78.5</u>	<u>69.1</u>
9	<u>71.6</u>	<u>70.9</u>	9	<u>78.3</u>	<u>69.5</u>
Average	<u>71.3</u>	<u>71.4</u>	Average	<u>78.6</u>	<u>69.1</u>
Std. Dev.	<u>0.676</u>	<u>0.510</u>	Std. Dev	<u>0.282</u>	<u>0.469</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>71.4</u>	<u>70.8</u>	9	<u>68.4</u>	<u>67.2</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304016

Aging Time:

9 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>4</u>	<u>6</u>		<u>4</u>	<u>6</u>
Tab Number				Tab Number	
1	<u>79.6</u>	<u>78.8</u>		1	<u>29.1</u> <u>29.7</u>
2	<u>78.8</u>	<u>78.4</u>		2	<u>29.6</u> <u>28.5</u>
3	<u>79.7</u>	<u>78.4</u>		3	<u>28.1</u> <u>27.7</u>
4	<u>79.8</u>	<u>78.4</u>		4	<u>28.6</u> <u>29.3</u>
5	<u>80.0</u>	<u>78.4</u>		5	<u>29.9</u> <u>28.2</u>
6	<u>78.7</u>	<u>79.1</u>		6	<u>29.5</u> <u>31.3</u>
7	<u>79.8</u>	<u>79.2</u>		7	<u>30.6</u> <u>31.1</u>
8	<u>79.3</u>	<u>78.6</u>		8	<u>30.7</u> <u>30.1</u>
9	<u>79.1</u>	<u>78.3</u>		9	<u>29.2</u> <u>30.7</u>
Average	<u>79.4</u>	<u>78.6</u>		Average	<u>29.5</u> <u>29.6</u>
Std. Dev.	<u>0.468</u>	<u>0.335</u>		Std. Dev	<u>0.854</u> <u>1.298</u>

Brightness without
Fluorence, %

Tab Number				Tab Number	
9	<u>78.8</u>	<u>78.0</u>		9	<u>29.0</u> <u>30.6</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304018

Aging Time:

9 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #					
<u>4</u>			<u>6</u>		
Tab Number			Tab Number		
1	<u>72.1</u>	<u>72.9</u>	1	<u>79.1</u>	<u>71.2</u>
2	<u>73.1</u>	<u>74.3</u>	2	<u>78.5</u>	<u>70.9</u>
3	<u>72.5</u>	<u>73.4</u>	3	<u>79.8</u>	<u>70.8</u>
4	<u>73.1</u>	<u>73.8</u>	4	<u>79.7</u>	<u>71.1</u>
5	<u>72.9</u>	<u>73.6</u>	5	<u>79.3</u>	<u>70.8</u>
6	<u>72.4</u>	<u>73.5</u>	6	<u>78.8</u>	<u>71.3</u>
7	<u>73.2</u>	<u>73.8</u>	7	<u>80.0</u>	<u>71.4</u>
8	<u>73.8</u>	<u>74.6</u>	8	<u>79.0</u>	<u>71.3</u>
9	<u>72.6</u>	<u>73.3</u>	9	<u>78.9</u>	<u>71.4</u>
Average	<u>72.9</u>	<u>73.7</u>	Average	<u>79.2</u>	<u>71.1</u>
Std. Dev.	<u>0.513</u>	<u>0.516</u>	Std. Dev	<u>0.505</u>	<u>0.245</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>72.4</u>	<u>73.0</u>	9	<u>78.7</u>	<u>68.9</u>

WEI T'o ASSOCIATES, INC.

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Aging Time:

9 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #					
<u>4</u>			<u>6</u>		
Tab Number			Tab Number		
1	<u>79.9</u>	<u>69.2</u>	1	<u>31.4</u>	<u>30.6</u>
2	<u>79.9</u>	<u>69.7</u>	2	<u>30.8</u>	<u>30.4</u>
3	<u>79.7</u>	<u>69.2</u>	3	<u>31.1</u>	<u>29.9</u>
4	<u>80.4</u>	<u>69.5</u>	4	<u>31.1</u>	<u>30.9</u>
5	<u>80.7</u>	<u>69.1</u>	5	<u>31.7</u>	<u>30.9</u>
6	<u>79.8</u>	<u>69.0</u>	6	<u>33.5</u>	<u>33.9</u>
7	<u>80.3</u>	<u>69.7</u>	7	<u>32.3</u>	<u>31.5</u>
8	<u>80.1</u>	<u>69.2</u>	8	<u>32.6</u>	<u>33.0</u>
9	<u>80.0</u>	<u>69.1</u>	9	<u>33.4</u>	<u>33.1</u>
Average	<u>80.1</u>	<u>69.3</u>	Average	<u>32.0</u>	<u>31.6</u>
Std. Dev.	<u>0.322</u>	<u>0.265</u>	Std. Dev	<u>1.011</u>	<u>1.406</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>79.7</u>	<u>67.2</u>	9	<u>33.1</u>	<u>33.1</u>

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BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time:

12 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>9</u>	<u>14</u>		<u>9</u>	<u>14</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>72.6</u>	<u>72.2</u>	1	<u>69.9</u>	<u>68.6</u>
2	<u>72.1</u>	<u>71.6</u>	2	<u>69.7</u>	<u>68.7</u>
3	<u>72.8</u>	<u>72.0</u>	3	<u>68.0</u>	<u>67.8</u>
4	<u>72.2</u>	<u>72.5</u>	4	<u>69.9</u>	<u>68.6</u>
5	<u>72.1</u>	<u>72.3</u>	5	<u>70.0</u>	<u>68.9</u>
6	<u>72.7</u>	<u>71.5</u>	6	<u>69.6</u>	<u>68.7</u>
7	<u>70.9</u>	<u>71.2</u>	7	<u>69.0</u>	<u>68.9</u>
8	<u>72.8</u>	<u>72.1</u>	8	<u>69.9</u>	<u>68.9</u>
9	<u>72.4</u>	<u>71.7</u>	9	<u>70.2</u>	<u>69.1</u>
Average	<u>72.3</u>	<u>71.9</u>	Average	<u>69.6</u>	<u>68.7</u>
Std. Dev.	<u>0.593</u>	<u>0.424</u>	Std. Dev	<u>0.682</u>	<u>0.372</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>72.1</u>	<u>71.4</u>	9	<u>67.9</u>	<u>66.8</u>

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BRIGHTNESS DATA

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Aging Time:

12 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>9</u>	<u>14</u>		<u>9</u>	<u>14</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>70.5</u>	<u>68.5</u>	1	<u>67.2</u>	<u>68.4</u>
2	<u>71.1</u>	<u>68.8</u>	2	<u>67.3</u>	<u>68.7</u>
3	<u>71.0</u>	<u>69.1</u>	3	<u>68.0</u>	<u>68.7</u>
4	<u>70.7</u>	<u>68.8</u>	4	<u>66.9</u>	<u>68.5</u>
5	<u>70.4</u>	<u>69.2</u>	5	<u>67.2</u>	<u>67.2</u>
6	<u>71.1</u>	<u>68.2</u>	6	<u>67.7</u>	<u>68.4</u>
7	<u>71.7</u>	<u>68.9</u>	7	<u>68.3</u>	<u>69.6</u>
8	<u>71.5</u>	<u>68.5</u>	8	<u>67.4</u>	<u>68.9</u>
9	<u>71.8</u>	<u>68.6</u>	9	<u>67.1</u>	<u>69.2</u>
Average	<u>71.1</u>	<u>68.7</u>	Average	<u>67.5</u>	<u>68.6</u>
Std. Dev.	<u>0.504</u>	<u>0.316</u>	Std. Dev	<u>0.456</u>	<u>0.663</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>71.4</u>	<u>68.5</u>	9	<u>65.2</u>	<u>66.8</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

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Aging Time: 12 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

BOOK PART LETTER <u>K</u>			BOOK PART LETTER <u>M</u>		
Sheet #	<u>9</u>	<u>14</u>		<u>9</u>	<u>14</u>
Tab Number			Tab Number		
1	<u>78.4</u>	<u>78.7</u>	1	<u>30.7</u>	<u>29.9</u>
2	<u>77.3</u>	<u>76.9</u>	2	<u>28.4</u>	<u>28.4</u>
3	<u>78.5</u>	<u>77.5</u>	3	<u>29.8</u>	<u>30.9</u>
4	<u>78.8</u>	<u>77.4</u>	4	<u>29.7</u>	<u>28.4</u>
5	<u>78.4</u>	<u>77.2</u>	5	<u>28.7</u>	<u>28.5</u>
6	<u>77.6</u>	<u>77.7</u>	6	<u>32.7</u>	<u>32.4</u>
7	<u>79.6</u>	<u>78.0</u>	7	<u>30.3</u>	<u>31.1</u>
8	<u>79.0</u>	<u>77.8</u>	8	<u>31.8</u>	<u>31.1</u>
9	<u>78.8</u>	<u>79.3</u>	9	<u>31.4</u>	<u>30.5</u>
Average	<u>78.5</u>	<u>77.8</u>	Average	<u>30.4</u>	<u>30.1</u>
Std. Dev.	<u>0.699</u>	<u>0.752</u>	Std. Dev	<u>1.418</u>	<u>1.434</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>78.5</u>	<u>79.0</u>	9	<u>31.3</u>	<u>30.5</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304016

Aging Time:

12 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>9</u>	<u>14</u>		<u>9</u>	<u>14</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>71.0</u>	<u>69.7</u>	1	<u>69.0</u>	<u>69.2</u>
2	<u>70.3</u>	<u>69.3</u>	2	<u>68.8</u>	<u>69.1</u>
3	<u>70.1</u>	<u>67.7</u>	3	<u>69.0</u>	<u>69.4</u>
4	<u>70.9</u>	<u>69.8</u>	4	<u>69.0</u>	<u>69.2</u>
5	<u>71.1</u>	<u>68.5</u>	5	<u>69.2</u>	<u>69.0</u>
6	<u>70.2</u>	<u>67.9</u>	6	<u>69.1</u>	<u>68.0</u>
7	<u>71.3</u>	<u>68.7</u>	7	<u>69.3</u>	<u>69.7</u>
8	<u>70.7</u>	<u>68.3</u>	8	<u>69.0</u>	<u>69.3</u>
9	<u>70.8</u>	<u>69.0</u>	9	<u>69.4</u>	<u>69.7</u>
Average	<u>70.7</u>	<u>68.8</u>	Average	<u>69.1</u>	<u>69.2</u>
Std. Dev.	<u>0.423</u>	<u>0.747</u>	Std. Dev	<u>0.183</u>	<u>0.504</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>70.6</u>	<u>68.9</u>	9	<u>66.2</u>	<u>67.4</u>

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Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet # 9

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Tab
Number

Tab
Number

1 76.7

77.9

1 28.5

33.5

2 77.3

75.5

2 26.2

31.2

3 78.1

76.3

3 27.5

29.2

4 76.5

77.8

4 26.3

34.4

5 76.2

75.2

5 26.8

31.6

6 78.3

77.1

6 31.0

33.2

7 79.2

75.7

7 30.9

33.5

8 77.5

77.5

8 27.7

33.5

9 78.0

77.0

9 28.8

34.1

Average 77.5

76.7

Average 28.2

32.7

Std. Dev. 0.968

1.023

Std. Dev 1.799

1.686

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9 77.7

76.7

9 28.6

33.8

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

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Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #

1

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1

5

Tab
Number

Tab
Number

1

70.6

69.8

1

64.0

68.2

2

70.7

69.7

2

66.3

68.5

3

70.2

69.3

3

65.4

68.2

4

71.2

70.0

4

67.3

69.0

5

69.6

68.4

5

66.1

68.5

6

70.9

69.8

6

65.9

69.1

7

70.8

69.6

7

66.9

69.3

8

70.1

70.5

8

63.5

68.8

9

70.6

70.1

9

66.8

68.7

Average

70.5

69.7

Average

65.8

68.7

Std. Dev.

0.482

0.588

Std. Dev

1.299

0.387

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

70.9

69.9

9

64.1

66.6

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

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Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>1</u>	<u>5</u>		<u>1</u>	<u>5</u>
<u>Tab Number</u>				<u>Tab Number</u>	
1	<u>75.1</u>	<u>76.9</u>		1	<u>29.7</u> <u>31.2</u>
2	<u>76.4</u>	<u>75.7</u>		2	<u>29.8</u> <u>28.5</u>
3	<u>78.1</u>	<u>76.5</u>		3	<u>29.2</u> <u>26.8</u>
4	<u>76.5</u>	<u>76.3</u>		4	<u>28.3</u> <u>27.8</u>
5	<u>76.5</u>	<u>75.9</u>		5	<u>29.7</u> <u>27.8</u>
6	<u>75.5</u>	<u>78.2</u>		6	<u>29.7</u> <u>28.1</u>
7	<u>77.3</u>	<u>77.7</u>		7	<u>30.4</u> <u>30.0</u>
8	<u>76.1</u>	<u>76.9</u>		8	<u>28.1</u> <u>28.0</u>
9	<u>76.3</u>	<u>77.5</u>		9	<u>32.1</u> <u>27.0</u>
Average	<u>76.4</u>	<u>76.8</u>		Average	<u>29.7</u> <u>28.4</u>
Std. Dev.	<u>0.889</u>	<u>0.838</u>		Std. Dev	<u>1.174</u> <u>1.409</u>

Brightness without
Fluorence, %

<u>Tab Number</u>				<u>Tab Number</u>	
9	<u>76.0</u>	<u>77.2</u>		9	<u>32.1</u> <u>27.8</u>

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18 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #

1

5

1

5

Tab
Number

Tab
Number

1

68.6

68.4

1

66.1

66.8

2

67.6

66.7

2

64.0

67.0

3

68.1

66.6

3

65.0

67.0

4

66.4

68.3

4

66.4

67.4

5

68.5

67.9

5

65.3

66.4

6

67.8

68.0

6

66.0

67.5

7

69.4

68.5

7

64.6

66.3

8

68.7

68.9

8

65.4

66.2

9

68.9

68.8

9

62.7

67.7

Average

68.2

68.0

Average

65.1

66.9

Std. Dev. 0.880

0.837

Std. Dev

1.164

0.545

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

68.6

68.6

9

61.0

65.5

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Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>1</u>	<u>5</u>		<u>1</u>	<u>5</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>76.7</u>	<u>76.6</u>	1	<u>28.4</u>	<u>30.5</u>
2	<u>74.8</u>	<u>75.4</u>	2	<u>27.6</u>	<u>28.6</u>
3	<u>75.6</u>	<u>76.7</u>	3	<u>29.9</u>	<u>29.9</u>
4	<u>75.8</u>	<u>76.1</u>	4	<u>27.3</u>	<u>27.1</u>
5	<u>75.7</u>	<u>76.2</u>	5	<u>25.9</u>	<u>26.8</u>
6	<u>76.4</u>	<u>77.1</u>	6	<u>28.7</u>	<u>30.0</u>
7	<u>76.6</u>	<u>77.0</u>	7	<u>29.7</u>	<u>28.9</u>
8	<u>74.5</u>	<u>75.6</u>	8	<u>27.0</u>	<u>30.0</u>
9	<u>78.2</u>	<u>76.7</u>	9	<u>26.5</u>	<u>29.3</u>
Average	<u>76.0</u>	<u>76.4</u>	Average	<u>27.9</u>	<u>29.0</u>
Std. Dev.	<u>1.108</u>	<u>0.595</u>	Std. Dev	<u>1.385</u>	<u>1.312</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>77.7</u>	<u>76.4</u>	9	<u>26.3</u>	<u>29.1</u>

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18 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #	<u>1</u>	<u>5</u>		<u>1</u>	<u>5</u>
Tab Number			Tab Number		
1	<u>67.8</u>	<u>68.6</u>	1	<u>64.9</u>	<u>66.4</u>
2	<u>68.1</u>	<u>64.3</u>	2	<u>65.0</u>	<u>66.6</u>
3	<u>68.1</u>	<u>66.7</u>	3	<u>66.9</u>	<u>67.0</u>
4	<u>67.3</u>	<u>63.4</u>	4	<u>67.2</u>	<u>65.9</u>
5	<u>68.1</u>	<u>67.0</u>	5	<u>66.7</u>	<u>66.7</u>
6	<u>66.3</u>	<u>64.2</u>	6	<u>65.1</u>	<u>67.5</u>
7	<u>67.7</u>	<u>65.9</u>	7	<u>67.1</u>	<u>66.8</u>
8	<u>67.4</u>	<u>69.4</u>	8	<u>63.8</u>	<u>65.6</u>
9	<u>68.9</u>	<u>62.8</u>	9	<u>64.6</u>	<u>67.1</u>
Average	<u>67.7</u>	<u>65.8</u>	Average	<u>65.7</u>	<u>66.6</u>
Std. Dev.	<u>0.718</u>	<u>2.308</u>	Std. Dev	<u>1.273</u>	<u>0.591</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>68.7</u>	<u>61.9</u>	9	<u>62.4</u>	<u>65.0</u>

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18 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #

1

5

1

5

Tab
Number

Tab
Number

1

76.3

76.5

1

32.3

28.5

2

76.2

76.1

2

29.2

28.8

3

76.7

76.9

3

28.8

28.2

4

77.7

77.4

4

30.6

28.6

5

78.5

77.0

5

27.2

28.2

6

76.9

77.2

6

28.5

32.2

7

77.3

78.0

7

30.3

29.5

8

76.7

77.1

8

31.1

31.1

9

78.3

77.2

9

30.2

30.6

Average

77.2

77.0

Average

29.8

29.5

Std. Dev.

0.833

0.536

Std. Dev

1.533

1.446

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

78.0

76.8

9

30.1

30.5

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304019

Aging Time:

24 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #

8

13

8

13

Tab
Number

Tab
Number

1

68.8

68.1

1

64.1

63.9

2

68.4

68.9

2

62.9

63.8

3

68.7

68.5

3

60.6

63.1

4

67.9

67.9

4

64.7

63.5

5

66.8

68.9

5

64.0

63.2

6

69.0

69.1

6

63.4

63.7

7

68.3

69.7

7

63.9

63.8

8

69.0

68.1

8

63.6

63.5

9

68.8

69.3

9

63.8

64.7

Average

68.4

68.7

Average

63.4

63.7

Std. Dev.

0.703

0.612

Std. Dev

1.176

0.468

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

68.6

69.1

9

61.7

62.8

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time:

24 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

BOOK PART LETTER <u>K</u>			BOOK PART LETTER <u>M</u>		
<u>Sheet #</u>	<u>8</u>	<u>13</u>	<u>8</u>	<u>13</u>	
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>75.6</u>	<u>75.4</u>	1	<u>28.2</u>	<u>29.2</u>
2	<u>74.7</u>	<u>75.4</u>	2	<u>27.4</u>	<u>29.9</u>
3	<u>76.7</u>	<u>76.0</u>	3	<u>27.0</u>	<u>28.6</u>
4	<u>74.2</u>	<u>73.7</u>	4	<u>26.8</u>	<u>27.6</u>
5	<u>74.0</u>	<u>73.5</u>	5	<u>27.2</u>	<u>30.5</u>
6	<u>76.9</u>	<u>76.4</u>	6	<u>27.5</u>	<u>32.3</u>
7	<u>73.9</u>	<u>76.7</u>	7	<u>27.3</u>	<u>28.1</u>
8	<u>74.4</u>	<u>74.3</u>	8	<u>26.6</u>	<u>28.1</u>
9	<u>75.7</u>	<u>75.4</u>	9	<u>26.7</u>	<u>29.2</u>
Average	<u>75.1</u>	<u>75.2</u>	Average	<u>27.2</u>	<u>29.3</u>
Std. Dev.	<u>1.146</u>	<u>1.140</u>	Std. Dev	<u>0.494</u>	<u>1.461</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>75.4</u>	<u>75.0</u>	9	<u>26.6</u>	<u>29.1</u>

WEI T'o ASSOCIATES, INC.

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24 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>8</u>	<u>13</u>		<u>8</u>	<u>13</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>67.7</u>	<u>67.4</u>	1	<u>62.2</u>	<u>61.0</u>
2	<u>67.2</u>	<u>64.1</u>	2	<u>61.6</u>	<u>61.2</u>
3	<u>67.9</u>	<u>63.3</u>	3	<u>64.1</u>	<u>61.5</u>
4	<u>68.8</u>	<u>68.6</u>	4	<u>66.5</u>	<u>63.8</u>
5	<u>66.9</u>	<u>66.2</u>	5	<u>65.6</u>	<u>61.5</u>
6	<u>67.5</u>	<u>65.7</u>	6	<u>63.8</u>	<u>59.0</u>
7	<u>68.7</u>	<u>62.7</u>	7	<u>63.2</u>	<u>61.3</u>
8	<u>68.1</u>	<u>66.6</u>	8	<u>63.2</u>	<u>62.7</u>
9	<u>67.9</u>	<u>64.7</u>	9	<u>65.3</u>	<u>62.8</u>
Average	<u>67.9</u>	<u>65.5</u>	Average	<u>63.9</u>	<u>61.6</u>
Std. Dev.	<u>0.629</u>	<u>1.944</u>	Std. Dev	<u>1.613</u>	<u>1.363</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>67.7</u>	<u>64.2</u>	9	<u>63.4</u>	<u>60.8</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time:

24 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #					
<u>8</u>			<u>13</u>		
Tab Number			Tab Number		
1	<u>72.8</u>	<u>74.7</u>	1	<u>27.5</u>	<u>29.7</u>
2	<u>73.6</u>	<u>73.7</u>	2	<u>25.0</u>	<u>27.9</u>
3	<u>75.9</u>	<u>73.9</u>	3	<u>27.0</u>	<u>28.4</u>
4	<u>72.8</u>	<u>72.7</u>	4	<u>25.6</u>	<u>30.4</u>
5	<u>73.6</u>	<u>72.1</u>	5	<u>26.0</u>	<u>28.0</u>
6	<u>75.3</u>	<u>74.6</u>	6	<u>28.4</u>	<u>29.8</u>
7	<u>74.8</u>	<u>73.7</u>	7	<u>28.6</u>	<u>31.8</u>
8	<u>74.5</u>	<u>75.3</u>	8	<u>26.8</u>	<u>28.5</u>
9	<u>75.5</u>	<u>76.2</u>	9	<u>28.4</u>	<u>29.1</u>
Average	<u>74.3</u>	<u>74.1</u>	Average	<u>27.0</u>	<u>29.3</u>
Std. Dev.	<u>1.160</u>	<u>1.264</u>	Std. Dev	<u>1.310</u>	<u>1.275</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>75.2</u>	<u>75.9</u>	9	<u>28.1</u>	<u>28.9</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

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304018

Aging Time:

24 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>8</u>	<u>13</u>		<u>8</u>	<u>13</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>68.8</u>	<u>66.5</u>	1	<u>64.3</u>	<u>65.6</u>
2	<u>68.5</u>	<u>66.1</u>	2	<u>64.4</u>	<u>65.9</u>
3	<u>68.4</u>	<u>68.6</u>	3	<u>64.9</u>	<u>66.6</u>
4	<u>67.1</u>	<u>66.0</u>	4	<u>62.8</u>	<u>65.6</u>
5	<u>67.1</u>	<u>68.6</u>	5	<u>64.8</u>	<u>64.4</u>
6	<u>68.8</u>	<u>68.6</u>	6	<u>65.6</u>	<u>65.9</u>
7	<u>68.7</u>	<u>68.4</u>	7	<u>64.7</u>	<u>65.1</u>
8	<u>67.8</u>	<u>63.3</u>	8	<u>62.1</u>	<u>65.9</u>
9	<u>68.4</u>	<u>67.9</u>	9	<u>62.5</u>	<u>64.9</u>
Average	<u>68.2</u>	<u>67.1</u>	Average	<u>64.0</u>	<u>65.5</u>
Std. Dev.	<u>0.682</u>	<u>1.806</u>	Std. Dev	<u>1.227</u>	<u>0.654</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>68.3</u>	<u>67.7</u>	9	<u>61.0</u>	<u>63.0</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time: 24 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #					
<u>8</u>			<u>13</u>		
Tab Number			Tab Number		
1	<u>77.1</u>	<u>77.9</u>	1	<u>27.7</u>	<u>29.5</u>
2	<u>77.5</u>	<u>76.3</u>	2	<u>29.7</u>	<u>28.6</u>
3	<u>78.2</u>	<u>76.9</u>	3	<u>27.5</u>	<u>28.6</u>
4	<u>78.1</u>	<u>77.0</u>	4	<u>27.9</u>	<u>28.1</u>
5	<u>78.3</u>	<u>76.8</u>	5	<u>28.3</u>	<u>27.9</u>
6	<u>77.4</u>	<u>76.8</u>	6	<u>30.7</u>	<u>31.4</u>
7	<u>78.8</u>	<u>77.9</u>	7	<u>28.3</u>	<u>30.3</u>
8	<u>78.0</u>	<u>76.9</u>	8	<u>29.9</u>	<u>29.9</u>
9	<u>77.8</u>	<u>77.4</u>	9	<u>30.0</u>	<u>30.5</u>
Average	<u>77.9</u>	<u>77.1</u>	Average	<u>28.9</u>	<u>29.4</u>
Std. Dev.	<u>0.521</u>	<u>0.534</u>	Std. Dev	<u>1.184</u>	<u>1.199</u>

Brightness without
Fluorence, %

Tab Number			Tab Number		
9	<u>77.5</u>	<u>77.1</u>	9	<u>29.9</u>	<u>30.3</u>

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BRIGHTNESS DATA

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Aging Time:

30 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #

2

12

2

12

Tab
Number

Tab
Number

1

68.7

68.1

1

60.6

65.6

2

69.0

67.1

2

63.3

65.8

3

68.5

67.5

3

61.4

64.9

4

68.5

68.6

4

62.2

65.8

5

68.0

67.8

5

62.1

65.8

6

68.4

66.9

6

62.9

65.5

7

68.3

67.7

7

62.7

65.7

8

68.2

67.9

8

63.3

66.5

9

68.5

67.6

9

62.3

66.3

Average

68.5

67.7

Average

62.3

65.8

Std. Dev. 0.288

0.509

Std. Dev

0.885

0.458

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9

68.3

67.6

9

60.8

64.4

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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Aging Time:

30 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>				<u>Tab Number</u>	
1	<u>74.1</u>	<u>75.9</u>		1	<u>29.8</u> <u>29.7</u>
2	<u>75.1</u>	<u>76.0</u>		2	<u>28.6</u> <u>29.4</u>
3	<u>76.9</u>	<u>76.3</u>		3	<u>28.0</u> <u>26.9</u>
4	<u>75.6</u>	<u>75.0</u>		4	<u>27.2</u> <u>27.7</u>
5	<u>74.9</u>	<u>74.5</u>		5	<u>27.7</u> <u>29.4</u>
6	<u>76.4</u>	<u>75.9</u>		6	<u>27.7</u> <u>30.7</u>
7	<u>74.6</u>	<u>76.2</u>		7	<u>29.8</u> <u>29.8</u>
8	<u>75.5</u>	<u>75.6</u>		8	<u>29.5</u> <u>28.5</u>
9	<u>76.5</u>	<u>75.5</u>		9	<u>29.1</u> <u>29.1</u>
Average	<u>75.5</u>	<u>75.7</u>		Average	<u>28.6</u> <u>29.0</u>
Std. Dev.	<u>0.940</u>	<u>0.585</u>		Std. Dev	<u>0.992</u> <u>1.156</u>

Brightness without
Fluorence, %

<u>Tab Number</u>				<u>Tab Number</u>	
9	<u>76.5</u>	<u>75.4</u>		9	<u>29.0</u> <u>29.0</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304016

Aging Time:

30 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet # 2 12

2 12

Tab
Number

Tab
Number

1 65.4 66.6

1 64.0 62.5

2 65.4 64.5

2 62.5 63.0

3 65.0 64.3

3 64.1 62.4

4 64.0 67.4

4 64.5 63.2

5 65.2 65.8

5 64.8 62.2

6 65.3 64.3

6 63.2 63.6

7 66.1 64.3

7 61.7 63.3

8 65.4 64.2

8 63.4 63.3

9 65.8 65.3

9 60.3 63.7

Average 65.3 65.2

Average 63.2 63.0

Std. Dev. 0.582 1.177

Std. Dev 1.453 0.538

Brightness without
Fluorence, %

Tab
Number

Tab
Number

9 65.6 65.1

9 58.9 62.1

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BRIGHTNESS DATA

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Aging Time:

30 days

Brightness, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>74.6</u>	<u>75.3</u>	1	<u>28.7</u>	<u>30.3</u>
2	<u>74.3</u>	<u>75.0</u>	2	<u>26.6</u>	<u>29.0</u>
3	<u>75.9</u>	<u>75.6</u>	3	<u>30.6</u>	<u>27.9</u>
4	<u>74.2</u>	<u>73.8</u>	4	<u>28.5</u>	<u>30.4</u>
5	<u>75.2</u>	<u>73.6</u>	5	<u>28.1</u>	<u>27.8</u>
6	<u>75.5</u>	<u>75.1</u>	6	<u>28.5</u>	<u>28.7</u>
7	<u>74.2</u>	<u>74.7</u>	7	<u>29.6</u>	<u>29.3</u>
8	<u>74.3</u>	<u>75.2</u>	8	<u>27.3</u>	<u>28.0</u>
9	<u>75.4</u>	<u>75.4</u>	9	<u>27.6</u>	<u>31.1</u>
Average	<u>74.8</u>	<u>74.9</u>	Average	<u>28.4</u>	<u>29.2</u>
Std. Dev.	<u>0.658</u>	<u>0.704</u>	Std. Dev	<u>1.203</u>	<u>1.206</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>75.0</u>	<u>75.1</u>	9	<u>27.5</u>	<u>31.0</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

304018

Aging Time:

30 days

Brightness, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>64.7</u>	<u>65.0</u>	1	<u>62.6</u>	<u>62.5</u>
2	<u>65.6</u>	<u>62.3</u>	2	<u>62.4</u>	<u>64.1</u>
3	<u>65.0</u>	<u>62.2</u>	3	<u>63.7</u>	<u>64.4</u>
4	<u>63.6</u>	<u>62.5</u>	4	<u>61.6</u>	<u>63.2</u>
5	<u>64.9</u>	<u>65.5</u>	5	<u>63.7</u>	<u>63.9</u>
6	<u>65.5</u>	<u>64.2</u>	6	<u>62.3</u>	<u>64.8</u>
7	<u>65.0</u>	<u>64.1</u>	7	<u>63.0</u>	<u>63.8</u>
8	<u>65.1</u>	<u>61.4</u>	8	<u>63.2</u>	<u>64.1</u>
9	<u>65.8</u>	<u>63.6</u>	9	<u>62.1</u>	<u>64.6</u>
Average	<u>65.0</u>	<u>63.4</u>	Average	<u>62.7</u>	<u>63.9</u>
Std. Dev.	<u>0.644</u>	<u>1.396</u>	Std. Dev	<u>0.721</u>	<u>0.714</u>

Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>65.7</u>	<u>63.3</u>	9	<u>60.6</u>	<u>62.7</u>

WEI T'o ASSOCIATES, INC.

BRIGHTNESS DATA

CONTROL NUMBER

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30 days

Brightness, %

BOOK PART LETTER K

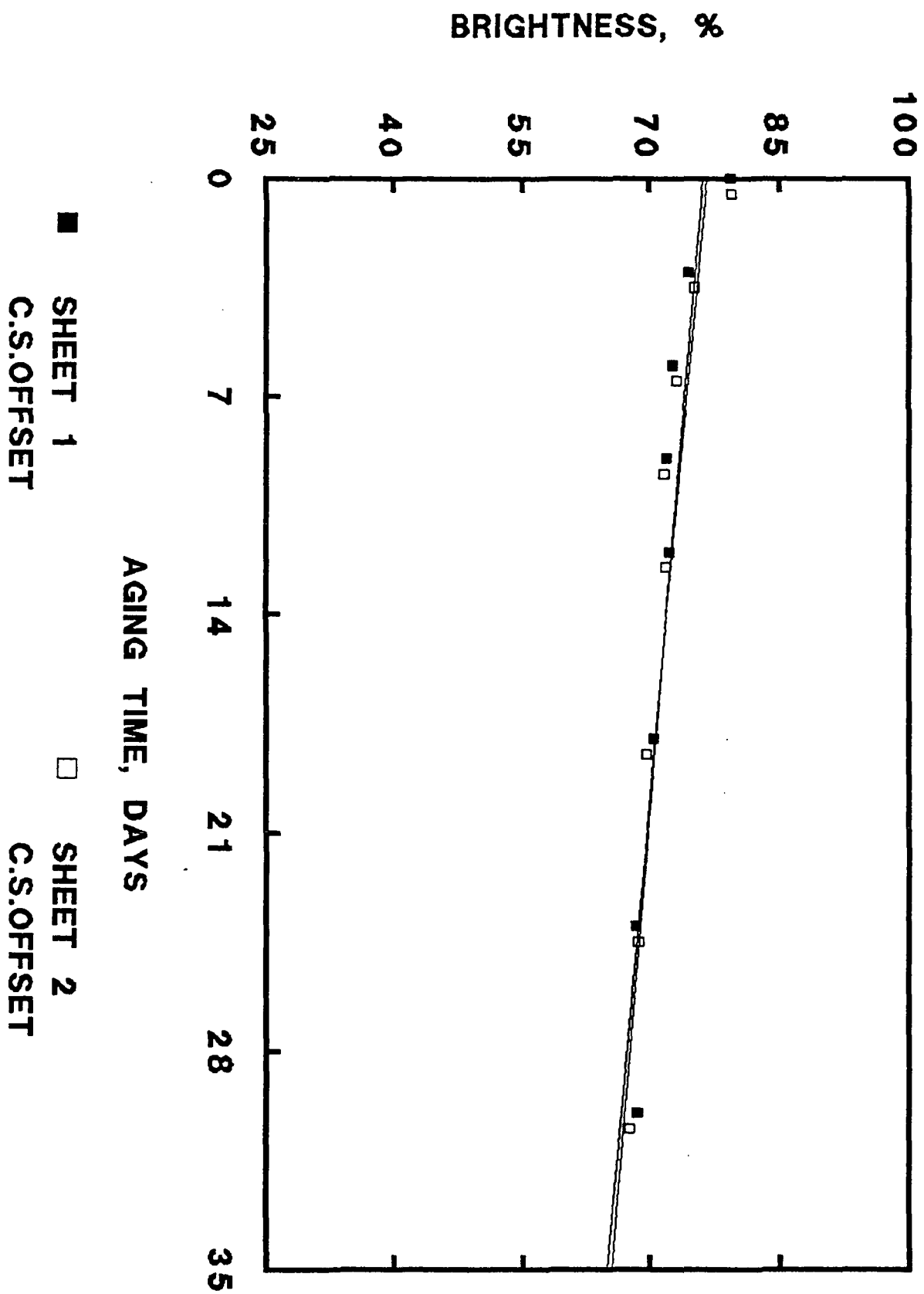
BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>75.7</u>	<u>76.7</u>	1	<u>29.9</u>	<u>28.9</u>
2	<u>76.2</u>	<u>75.4</u>	2	<u>27.8</u>	<u>28.4</u>
3	<u>76.7</u>	<u>76.1</u>	3	<u>28.8</u>	<u>28.6</u>
4	<u>77.2</u>	<u>75.5</u>	4	<u>28.9</u>	<u>28.3</u>
5	<u>78.0</u>	<u>76.5</u>	5	<u>27.5</u>	<u>28.0</u>
6	<u>77.1</u>	<u>76.7</u>	6	<u>29.4</u>	<u>31.1</u>
7	<u>76.7</u>	<u>76.6</u>	7	<u>30.0</u>	<u>29.1</u>
8	<u>77.0</u>	<u>76.5</u>	8	<u>28.9</u>	<u>29.4</u>
9	<u>77.6</u>	<u>77.3</u>	9	<u>30.1</u>	<u>29.6</u>
Average	<u>76.9</u>	<u>76.4</u>	Average	<u>29.0</u>	<u>29.0</u>
Std. Dev.	<u>0.694</u>	<u>0.606</u>	Std. Dev	<u>0.930</u>	<u>0.932</u>

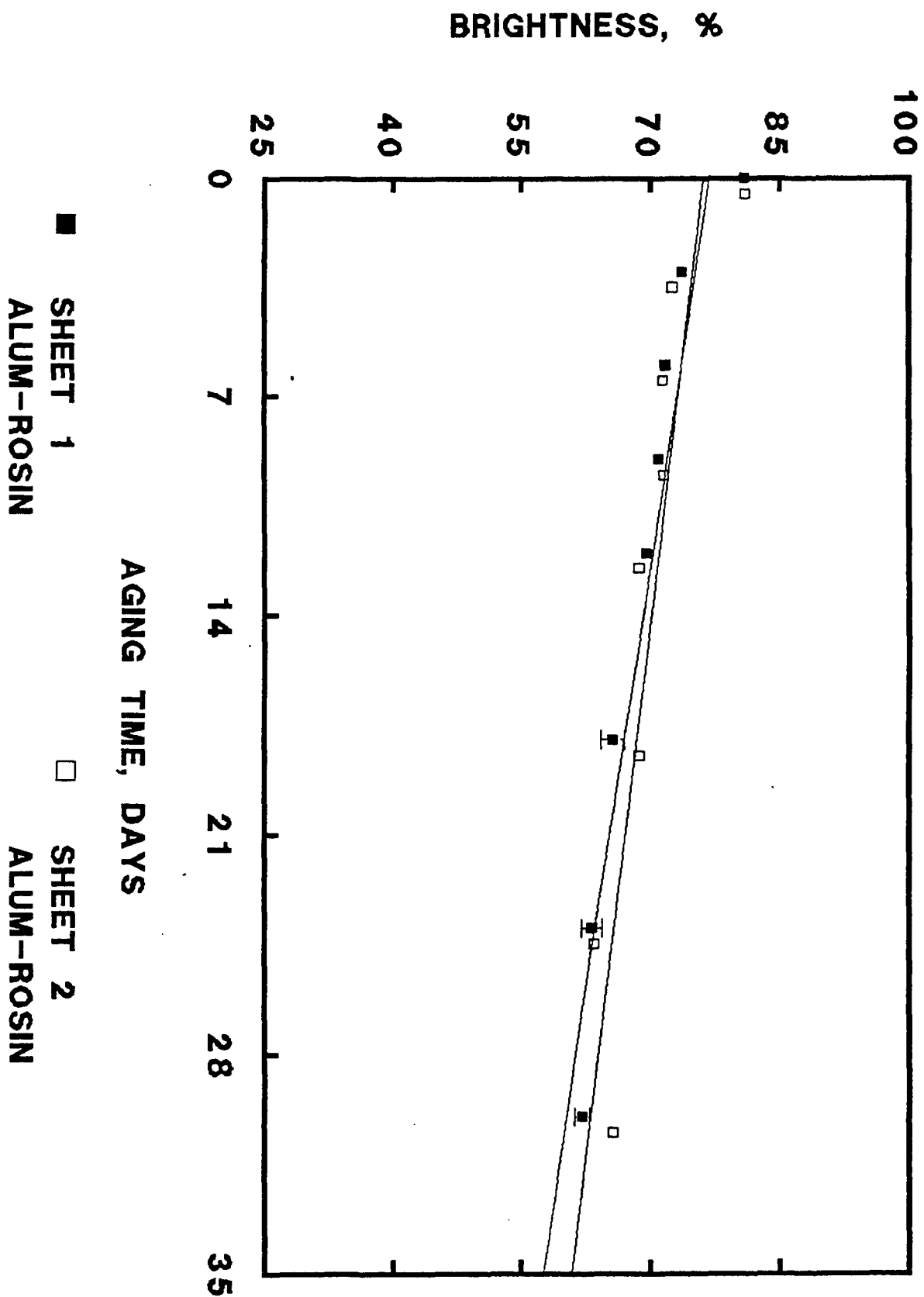
Brightness without
Fluorence, %

<u>Tab Number</u>			<u>Tab Number</u>		
9	<u>77.4</u>	<u>77.1</u>	9	<u>30.0</u>	<u>29.6</u>

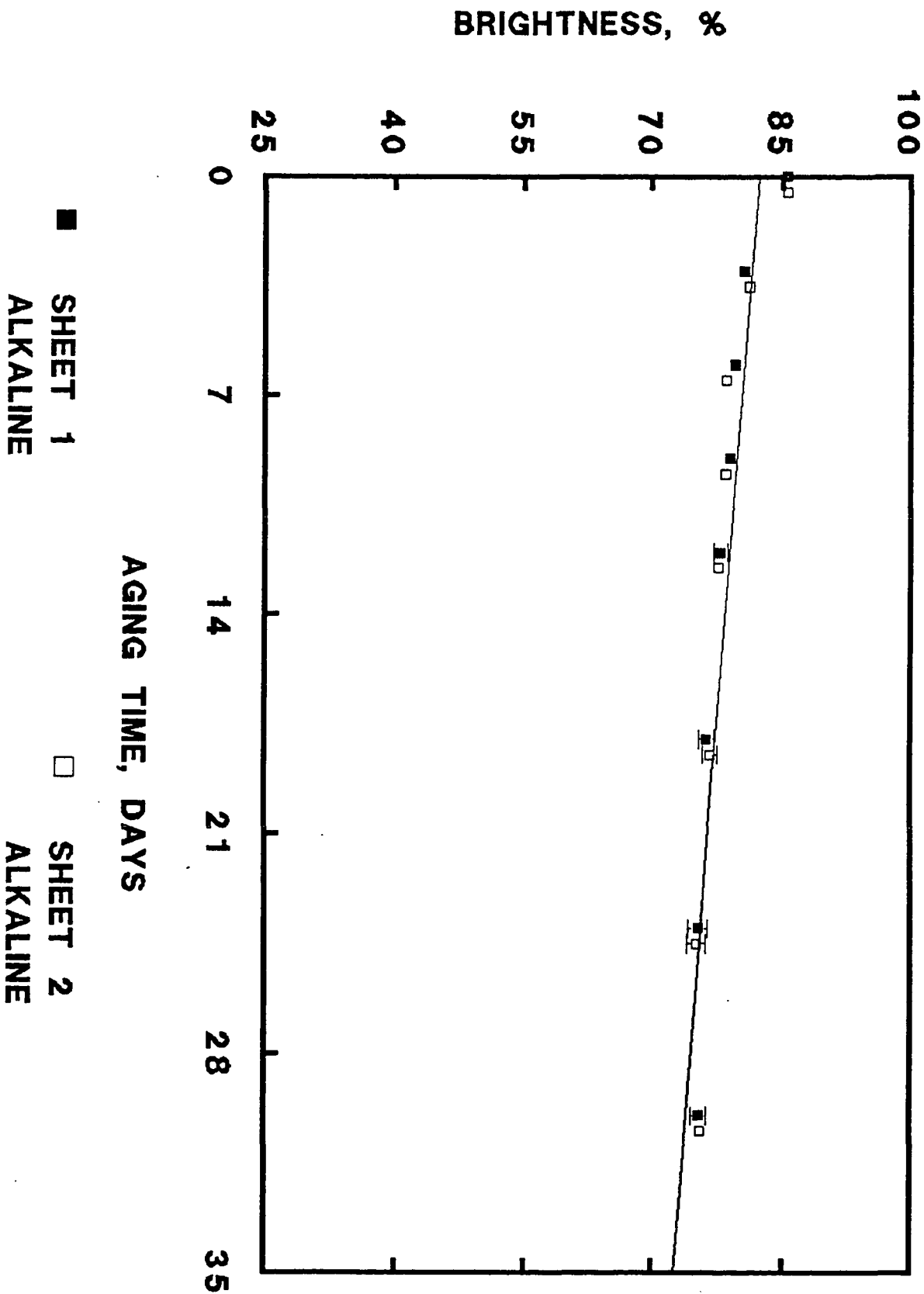
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304019



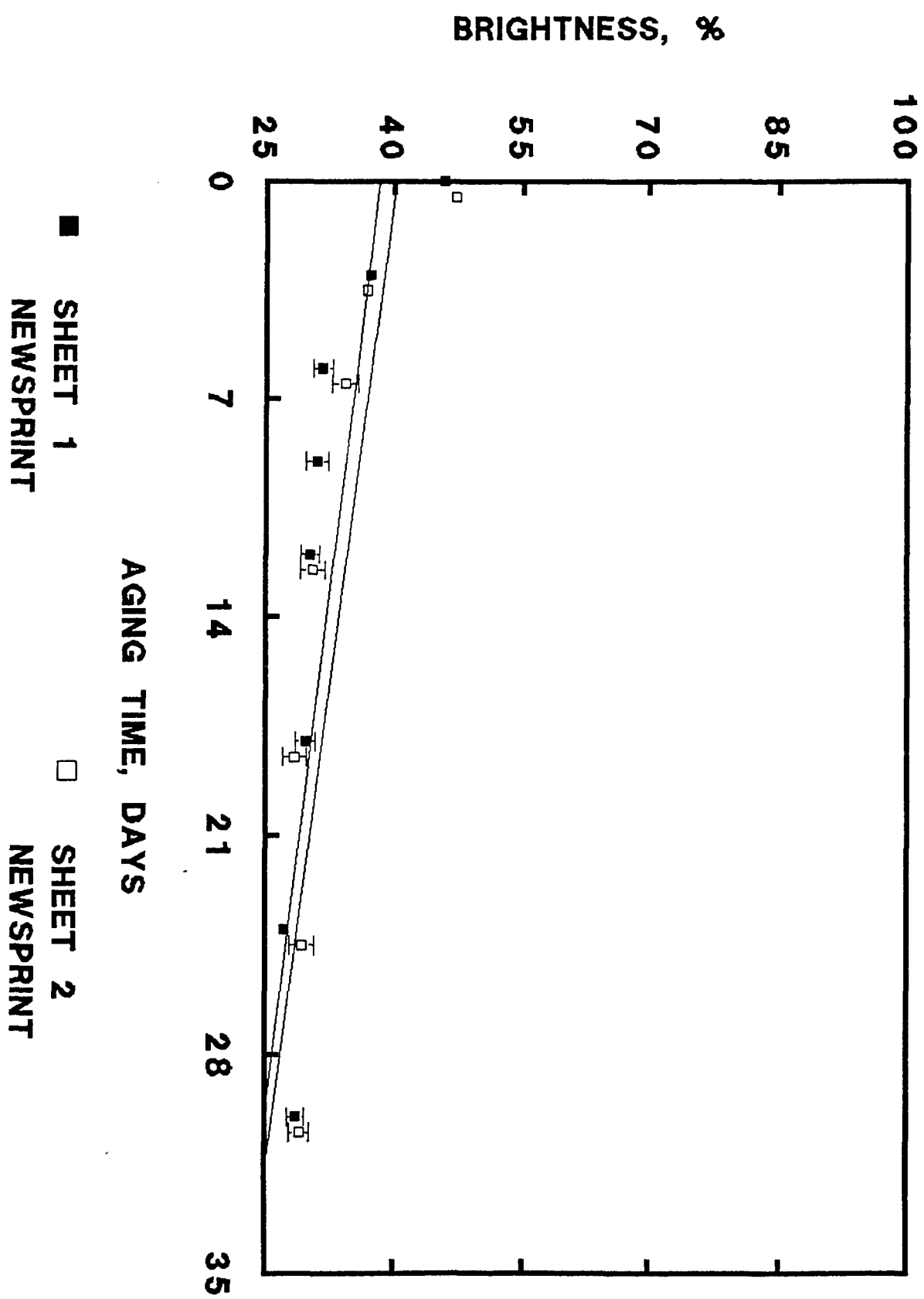
WEI T'O ASSOCIATES, INC.
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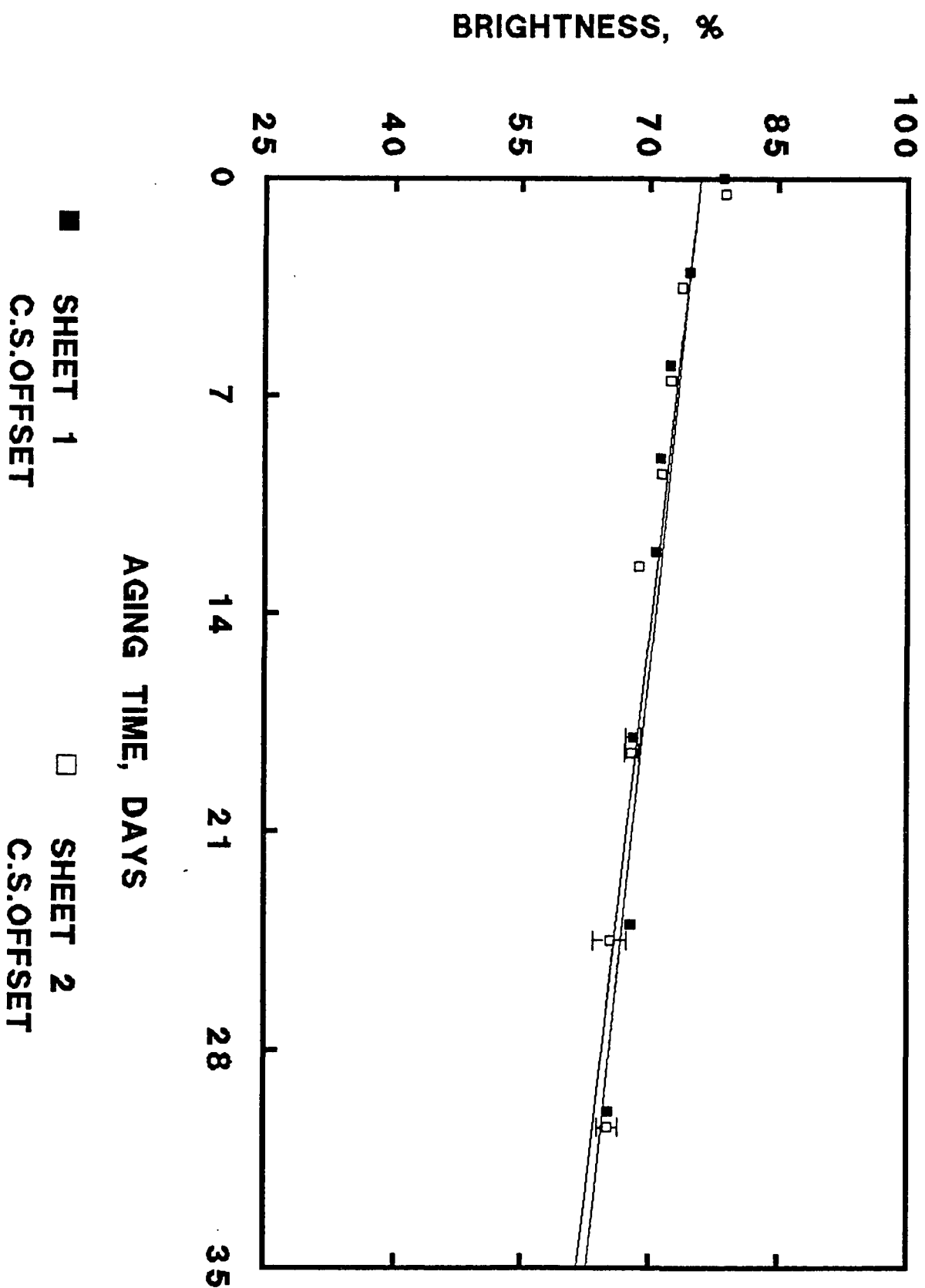
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304019



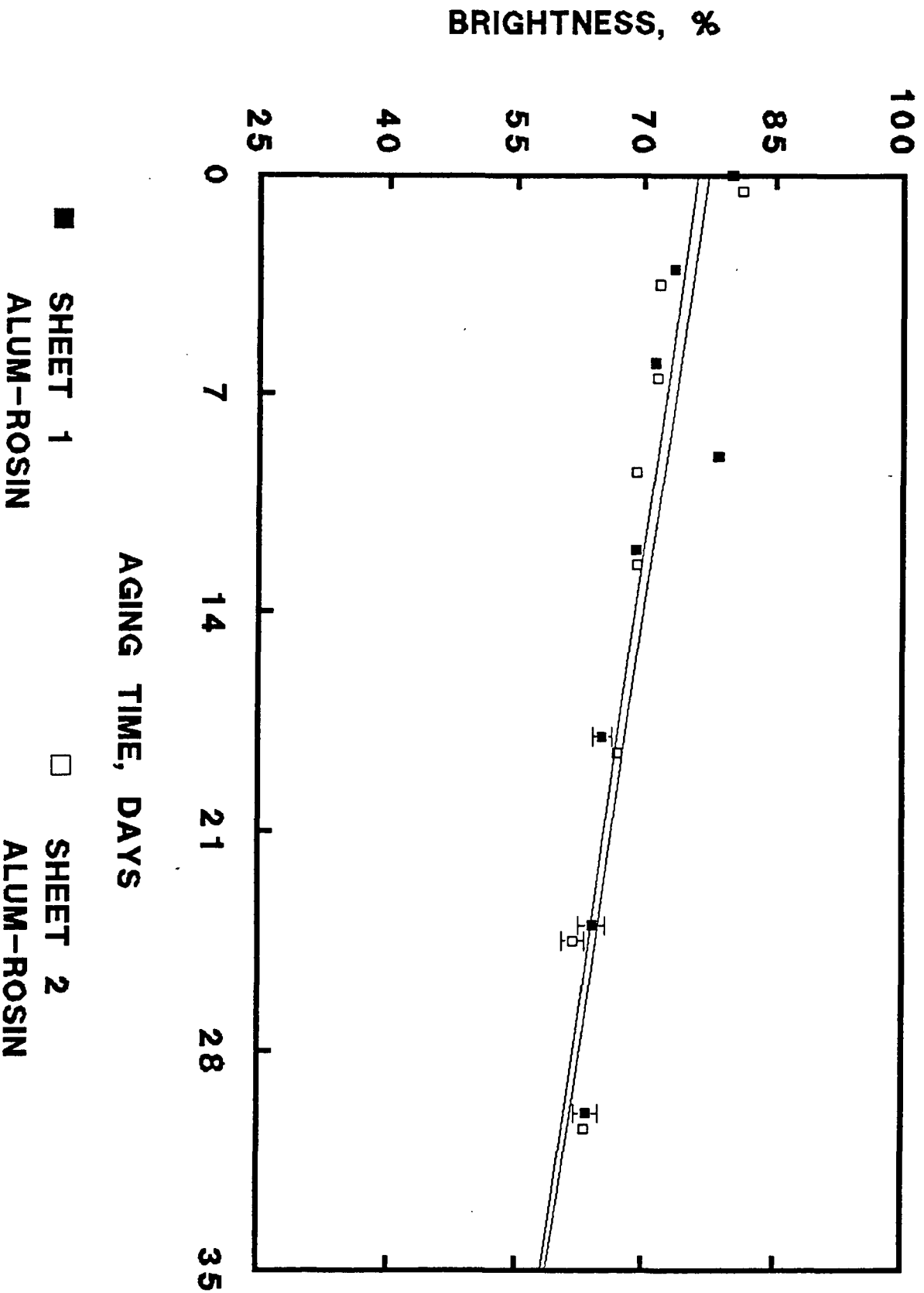
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304019



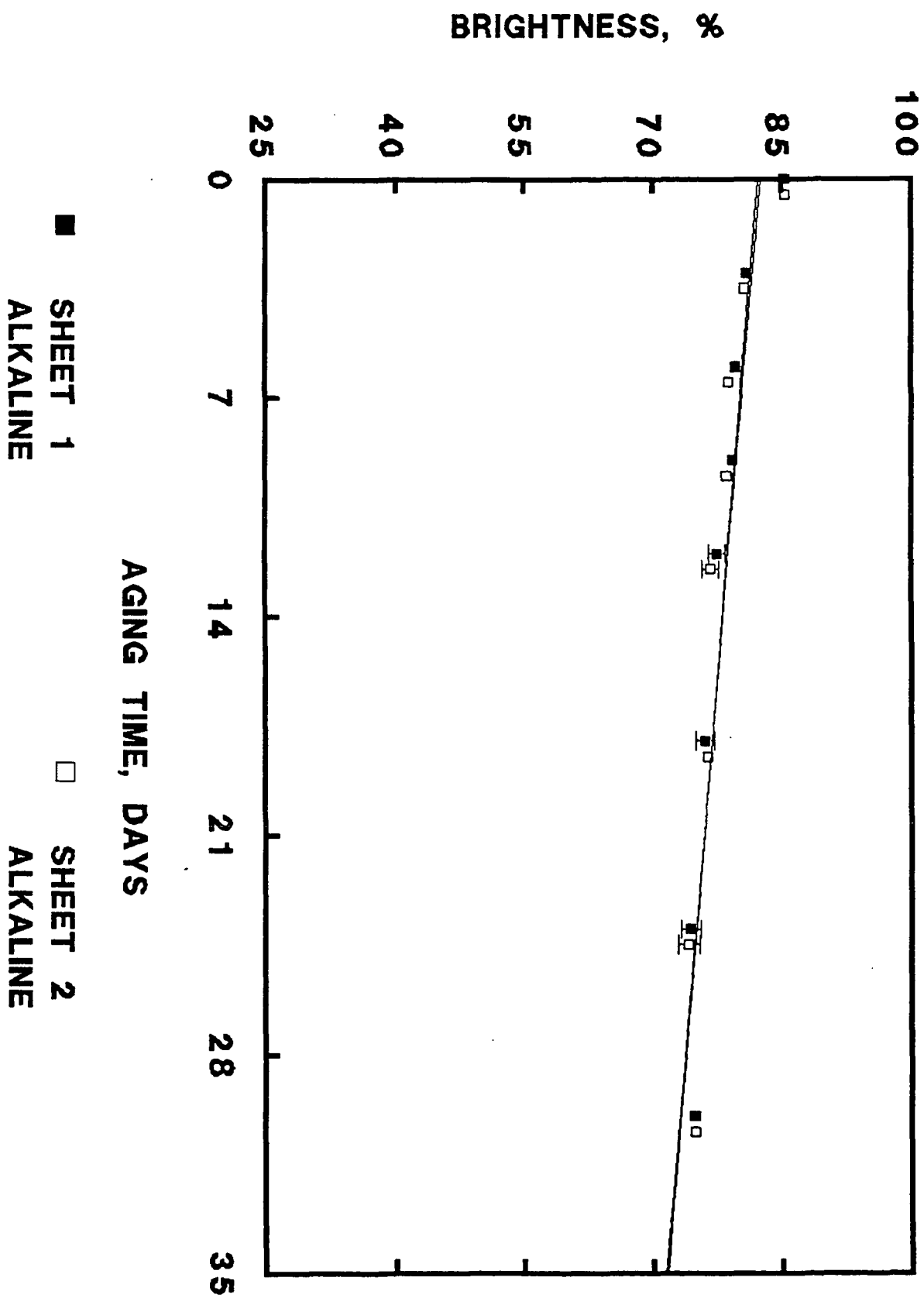
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304016



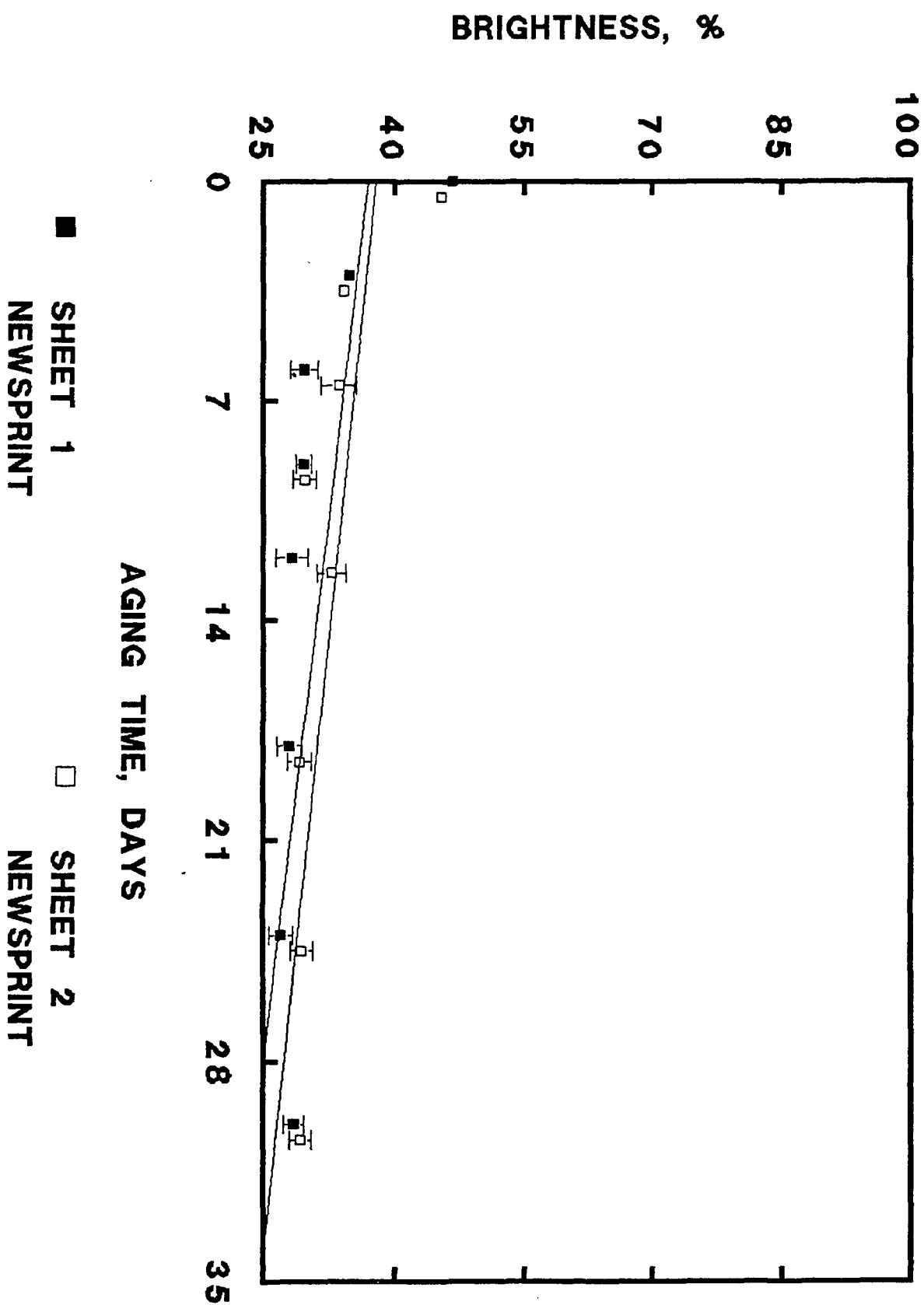
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304016



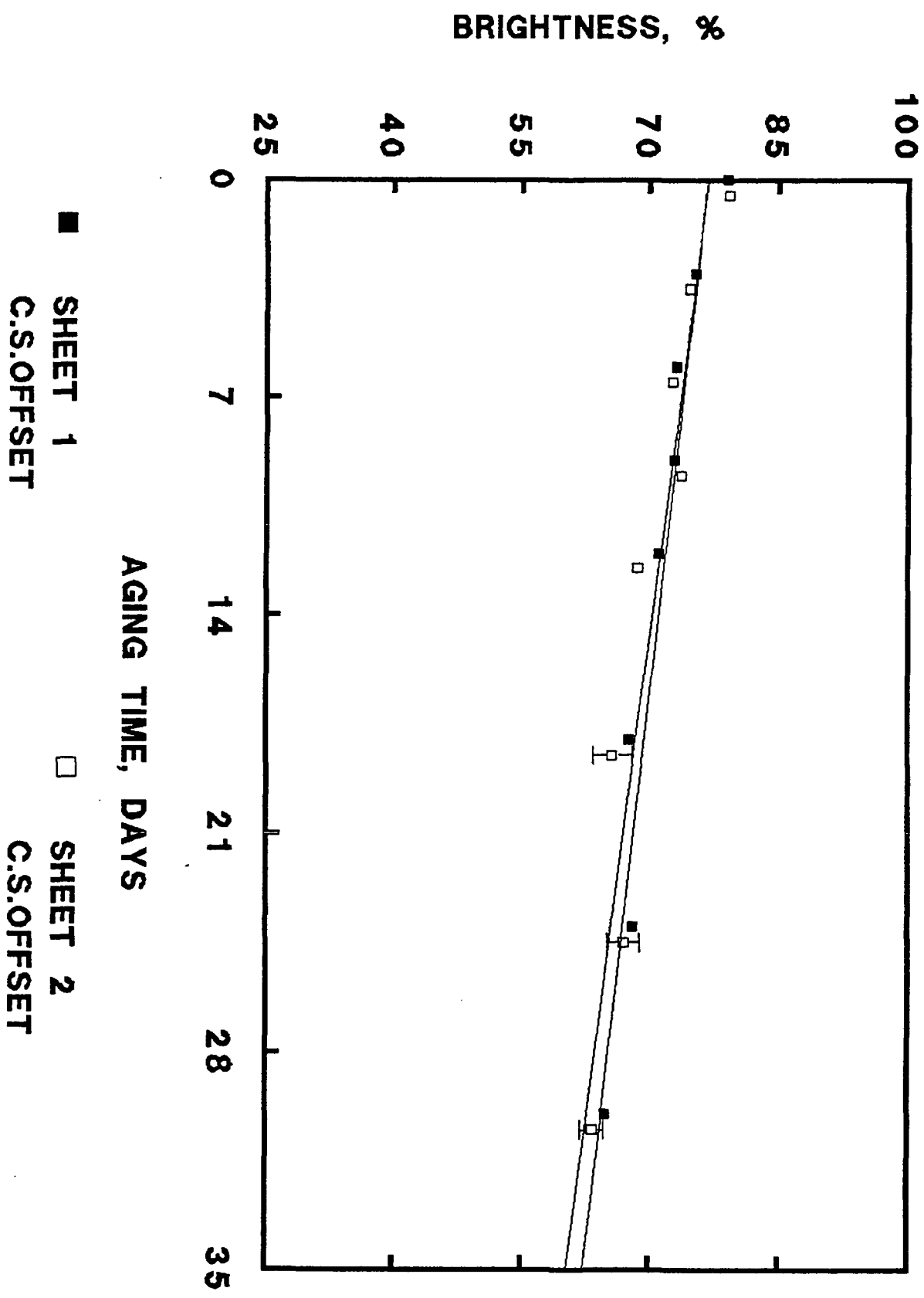
WEI T'O ASSOCIATES, INC.
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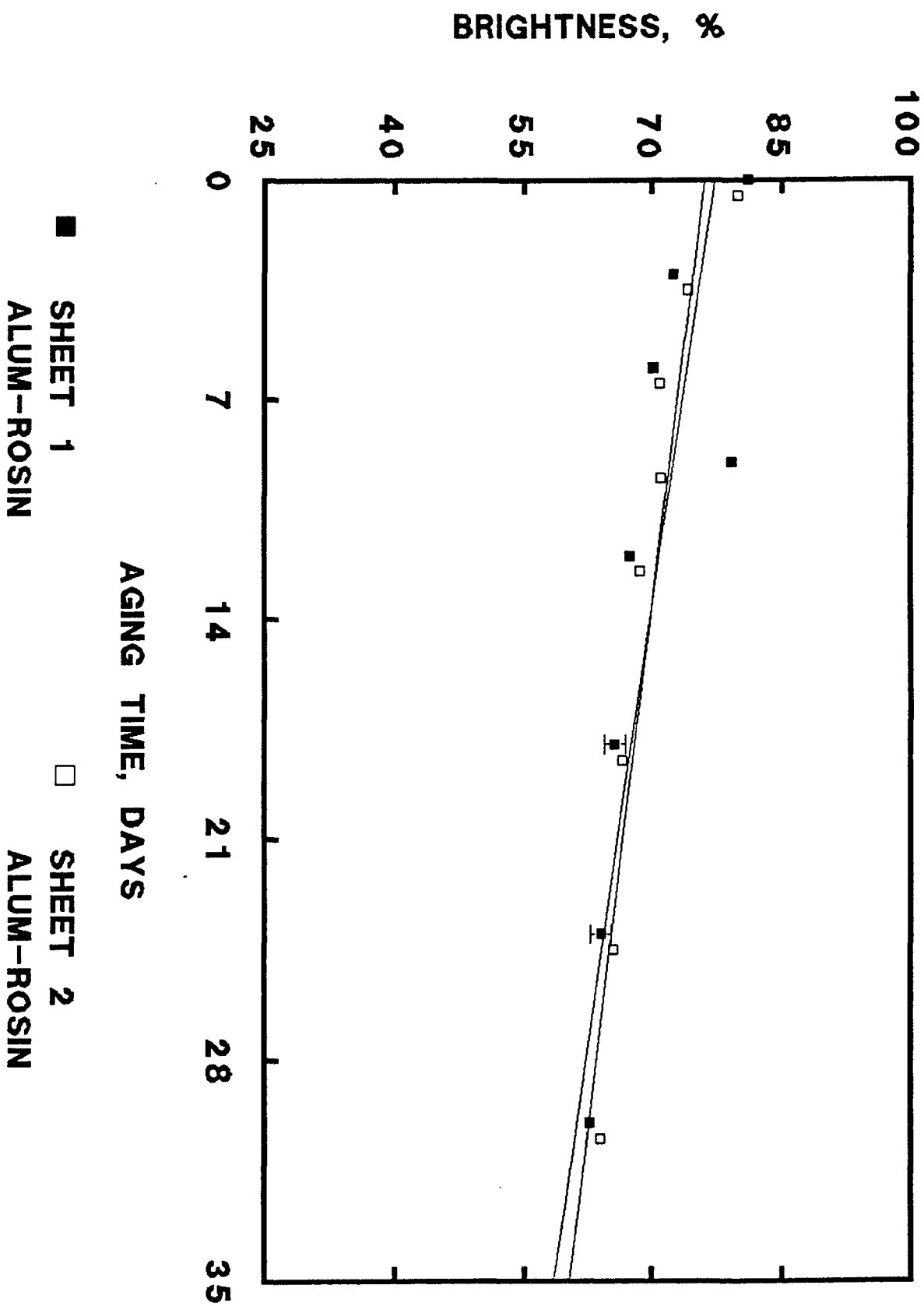
WEI T'O ASSOCIATES, INC.
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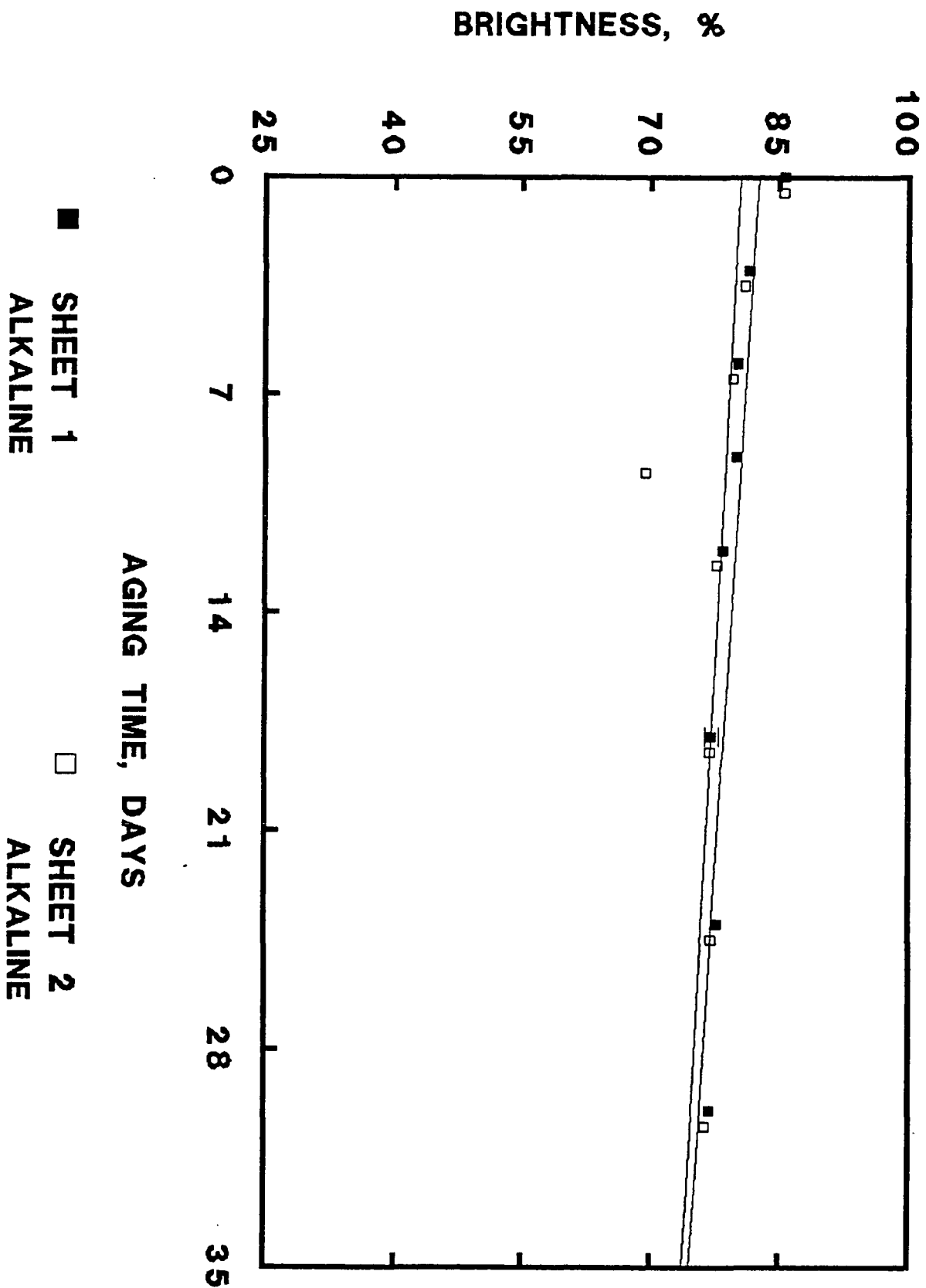
WEI T'O ASSOCIATES, INC.
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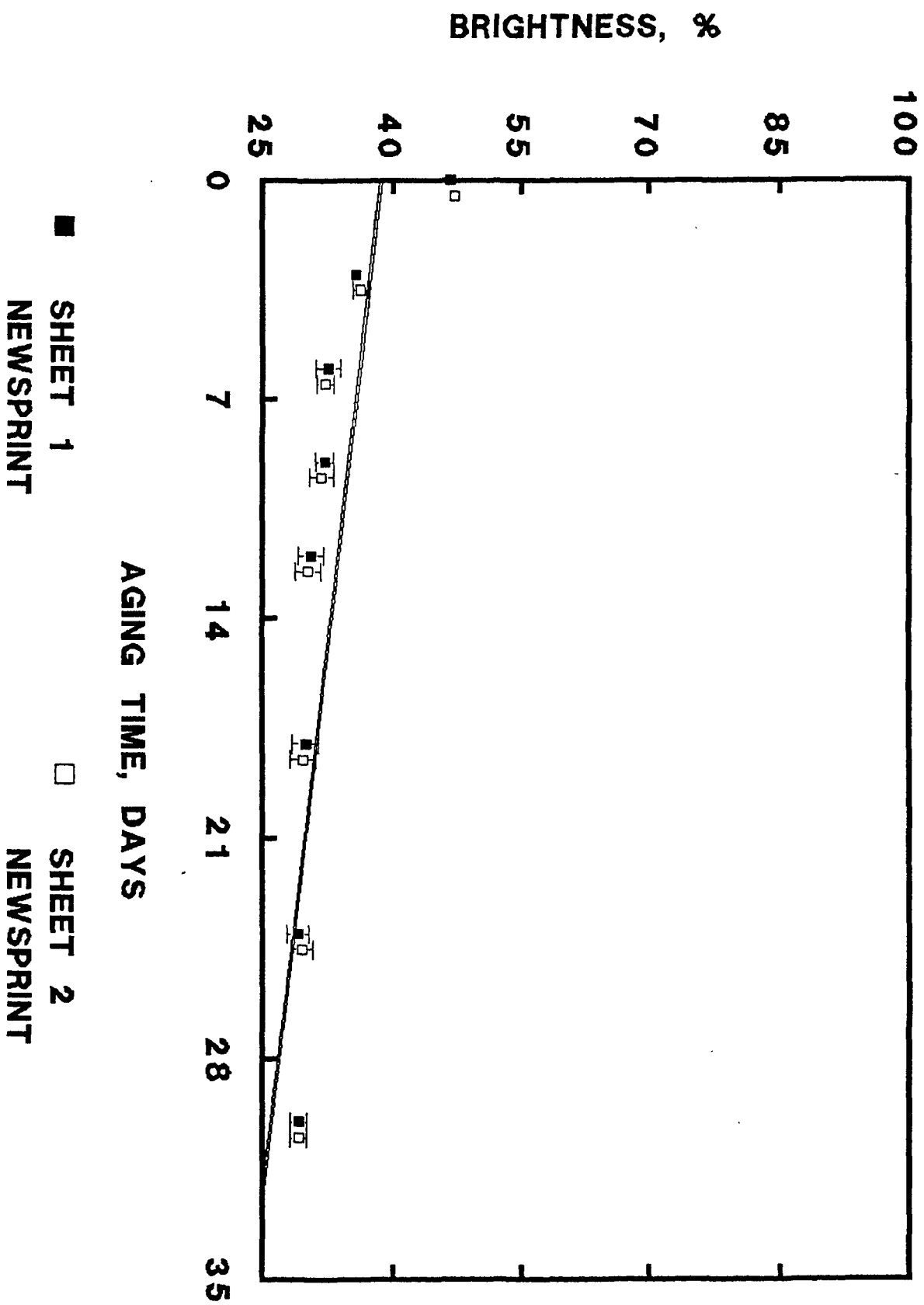
WEI T'O ASSOCIATES, INC.
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OPACITY DATA

CONTROL NUMBER

304018

Aging Time:

0 days

Opacity, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
Tab Number			Tab Number		
1	<u>92.5</u>	<u>93.3</u>	1	<u>87.4</u>	<u>88.3</u>
2	<u>92.5</u>	<u>93.3</u>	2	<u>88.2</u>	<u>86.2</u>
3	<u>92.6</u>	<u>92.7</u>	3	<u>86.1</u>	<u>86.1</u>
4	<u>92.4</u>	<u>93.0</u>	4	<u>87.9</u>	<u>88.2</u>
5	<u>92.1</u>	<u>93.1</u>	5	<u>87.3</u>	<u>84.9</u>
6	<u>92.9</u>	<u>92.6</u>	6	<u>86.2</u>	<u>87.8</u>
7	<u>92.3</u>	<u>94.0</u>	7	<u>88.3</u>	<u>88.1</u>
8	<u>93.1</u>	<u>92.7</u>	8	<u>88.0</u>	<u>84.6</u>
9	<u>93.2</u>	<u>93.3</u>	9	<u>86.0</u>	<u>86.3</u>
Average	<u>92.6</u>	<u>93.1</u>	Average	<u>87.3</u>	<u>86.7</u>
Std. Dev.	<u>0.370</u>	<u>0.434</u>	Std. Dev	<u>0.935</u>	<u>1.432</u>

WEI T'o ASSOCIATES, INC.

OPACITY DATA

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Aging Time:

0 days

Opacity, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
Tab Number			Tab Number		
1	<u>93.1</u>	<u>93.7</u>	1	<u>87.6</u>	<u>89.0</u>
2	<u>92.9</u>	<u>93.1</u>	2	<u>87.0</u>	<u>89.2</u>
3	<u>93.4</u>	<u>93.0</u>	3	<u>88.6</u>	<u>89.7</u>
4	<u>93.0</u>	<u>93.0</u>	4	<u>86.6</u>	<u>86.6</u>
5	<u>92.8</u>	<u>92.9</u>	5	<u>88.6</u>	<u>87.3</u>
6	<u>93.6</u>	<u>93.2</u>	6	<u>88.2</u>	<u>88.3</u>
7	<u>92.9</u>	<u>93.8</u>	7	<u>88.2</u>	<u>89.4</u>
8	<u>93.0</u>	<u>92.8</u>	8	<u>88.0</u>	<u>89.1</u>
9	<u>93.3</u>	<u>93.3</u>	9	<u>88.1</u>	<u>88.4</u>
Average	<u>93.1</u>	<u>93.2</u>	Average	<u>87.9</u>	<u>88.6</u>
Std. Dev.	<u>0.267</u>	<u>0.346</u>	Std. Dev	<u>0.689</u>	<u>1.026</u>

WEI T'o ASSOCIATES, INC.

OPACITY DATA

CONTROL NUMBER

304016

Aging Time:

0 days

Opacity, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>93.1</u>	<u>92.9</u>	1	<u>87.3</u>	<u>88.0</u>
2	<u>92.9</u>	<u>92.9</u>	2	<u>87.3</u>	<u>88.9</u>
3	<u>93.4</u>	<u>93.2</u>	3	<u>88.5</u>	<u>88.3</u>
4	<u>93.1</u>	<u>93.0</u>	4	<u>86.3</u>	<u>89.1</u>
5	<u>92.9</u>	<u>92.8</u>	5	<u>88.0</u>	<u>88.7</u>
6	<u>92.6</u>	<u>92.7</u>	6	<u>87.9</u>	<u>88.8</u>
7	<u>93.6</u>	<u>93.4</u>	7	<u>87.2</u>	<u>89.1</u>
8	<u>93.2</u>	<u>93.1</u>	8	<u>88.4</u>	<u>89.5</u>
9	<u>93.5</u>	<u>93.4</u>	9	<u>87.8</u>	<u>88.3</u>
Average	<u>93.1</u>	<u>93.0</u>	Average	<u>87.6</u>	<u>88.7</u>
Std. Dev.	<u>0.321</u>	<u>0.251</u>	Std. Dev	<u>0.686</u>	<u>0.475</u>

WEI T'o ASSOCIATES, INC.

OPACITY DATA

CONTROL NUMBER

304016

Aging Time:

0 days

Opacity, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
Tab Number			Tab Number		
1	<u>94.0</u>	<u>93.8</u>	1	<u>88.2</u>	<u>87.5</u>
2	<u>93.8</u>	<u>93.5</u>	2	<u>86.1</u>	<u>88.2</u>
3	<u>93.6</u>	<u>94.3</u>	3	<u>85.2</u>	<u>87.4</u>
4	<u>93.6</u>	<u>94.0</u>	4	<u>89.3</u>	<u>87.7</u>
5	<u>93.4</u>	<u>94.1</u>	5	<u>87.6</u>	<u>87.4</u>
6	<u>93.1</u>	<u>93.8</u>	6	<u>87.3</u>	<u>87.7</u>
7	<u>93.7</u>	<u>93.9</u>	7	<u>87.8</u>	<u>87.5</u>
8	<u>93.2</u>	<u>93.8</u>	8	<u>86.4</u>	<u>86.9</u>
9	<u>93.4</u>	<u>94.2</u>	9	<u>87.3</u>	<u>87.7</u>
Average	<u>93.5</u>	<u>93.9</u>	Average	<u>87.2</u>	<u>87.6</u>
Std. Dev.	<u>0.287</u>	<u>0.245</u>	Std. Dev	<u>1.214</u>	<u>0.347</u>

WEI T'o ASSOCIATES, INC.

OPACITY DATA

CONTROL NUMBER

304019

Aging Time:

0 days

Opacity, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>11</u>	<u>16</u>		<u>11</u>	<u>16</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>93.0</u>	<u>94.2</u>	1	<u>88.7</u>	<u>86.6</u>
2	<u>93.2</u>	<u>93.7</u>	2	<u>89.3</u>	<u>88.8</u>
3	<u>93.5</u>	<u>93.9</u>	3	<u>89.8</u>	<u>88.2</u>
4	<u>93.2</u>	<u>94.0</u>	4	<u>88.8</u>	<u>86.7</u>
5	<u>93.5</u>	<u>93.9</u>	5	<u>89.6</u>	<u>89.2</u>
6	<u>93.0</u>	<u>94.1</u>	6	<u>88.1</u>	<u>87.5</u>
7	<u>93.0</u>	<u>93.6</u>	7	<u>87.9</u>	<u>86.5</u>
8	<u>93.3</u>	<u>93.5</u>	8	<u>89.0</u>	<u>88.4</u>
9	<u>93.2</u>	<u>93.6</u>	9	<u>88.2</u>	<u>86.9</u>
Average	<u>93.2</u>	<u>93.8</u>	Average	<u>88.8</u>	<u>87.6</u>
Std. Dev.	<u>0.196</u>	<u>0.245</u>	Std. Dev	<u>0.670</u>	<u>1.031</u>

WEI T'o ASSOCIATES, INC.

OPACITY DATA

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304019

Aging Time:

0 days

Opacity, %

BOOK PART LETTER K

BOOK PART LETTER M

Sheet #	<u>11</u>	<u>16</u>		<u>11</u>	<u>6</u>
Tab Number			Tab Number		
1	<u>93.6</u>	<u>93.8</u>	1	<u>88.8</u>	<u>87.2</u>
2	<u>93.7</u>	<u>93.9</u>	2	<u>89.0</u>	<u>87.5</u>
3	<u>94.0</u>	<u>93.7</u>	3	<u>88.2</u>	<u>88.9</u>
4	<u>93.5</u>	<u>93.6</u>	4	<u>87.9</u>	<u>86.1</u>
5	<u>93.9</u>	<u>93.5</u>	5	<u>88.2</u>	<u>89.5</u>
6	<u>93.8</u>	<u>93.5</u>	6	<u>87.3</u>	<u>87.3</u>
7	<u>93.7</u>	<u>93.5</u>	7	<u>88.8</u>	<u>87.2</u>
8	<u>93.8</u>	<u>93.3</u>	8	<u>88.8</u>	<u>87.5</u>
9	<u>93.9</u>	<u>93.5</u>	9	<u>88.4</u>	<u>88.5</u>
Average	<u>93.8</u>	<u>93.6</u>	Average	<u>88.4</u>	<u>87.7</u>
Std. Dev.	<u>0.158</u>	<u>0.183</u>	Std. Dev	<u>0.545</u>	<u>1.037</u>

WEI T'o ASSOCIATES, INC.

OPACITY DATA

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Aging Time:

30 days

Opacity, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>94.5</u>	<u>95.5</u>	1	<u>90.8</u>	<u>92.0</u>
2	<u>94.8</u>	<u>96.2</u>	2	<u>91.1</u>	<u>90.4</u>
3	<u>94.4</u>	<u>96.7</u>	3	<u>90.3</u>	<u>90.1</u>
4	<u>95.4</u>	<u>96.2</u>	4	<u>91.9</u>	<u>91.3</u>
5	<u>95.4</u>	<u>95.8</u>	5	<u>90.8</u>	<u>90.5</u>
6	<u>95.0</u>	<u>96.0</u>	6	<u>91.4</u>	<u>90.1</u>
7	<u>95.3</u>	<u>96.3</u>	7	<u>91.0</u>	<u>92.4</u>
8	<u>95.2</u>	<u>96.1</u>	8	<u>91.5</u>	<u>91.5</u>
9	<u>95.2</u>	<u>96.2</u>	9	<u>89.8</u>	<u>90.4</u>
Average	<u>95.0</u>	<u>96.1</u>	Average	<u>91.0</u>	<u>91.0</u>
Std. Dev.	<u>0.377</u>	<u>0.333</u>	Std. Dev	<u>0.635</u>	<u>0.857</u>

WEI T'o ASSOCIATES, INC.

OPACITY DATA

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Aging Time:

30 days

Opacity, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>				<u>Tab Number</u>	
1	<u>94.8</u>	<u>95.5</u>		1	<u>92.5</u> <u>91.6</u>
2	<u>95.1</u>	<u>96.0</u>		2	<u>91.8</u> <u>91.2</u>
3	<u>95.2</u>	<u>95.5</u>		3	<u>91.8</u> <u>91.9</u>
4	<u>95.4</u>	<u>95.8</u>		4	<u>92.4</u> <u>91.8</u>
5	<u>94.4</u>	<u>95.9</u>		5	<u>92.5</u> <u>92.5</u>
6	<u>94.9</u>	<u>96.0</u>		6	<u>92.3</u> <u>92.5</u>
7	<u>95.0</u>	<u>95.6</u>		7	<u>92.6</u> <u>92.3</u>
8	<u>94.7</u>	<u>95.5</u>		8	<u>93.5</u> <u>92.5</u>
9	<u>94.3</u>	<u>95.6</u>		9	<u>93.0</u> <u>92.2</u>
Average	<u>94.9</u>	<u>95.7</u>		Average	<u>92.5</u> <u>92.1</u>
Std. Dev.	<u>0.361</u>	<u>0.215</u>		Std. Dev	<u>0.535</u> <u>0.461</u>

WEI T'o ASSOCIATES, INC.

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304016

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30 days

Opacity, %

BOOK PART LETTER G

BOOK PART LETTER H

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>94.7</u>	<u>96.1</u>	1	<u>90.2</u>	<u>86.9</u>
2	<u>94.4</u>	<u>95.4</u>	2	<u>92.8</u>	<u>89.9</u>
3	<u>95.1</u>	<u>96.8</u>	3	<u>92.0</u>	<u>90.1</u>
4	<u>94.9</u>	<u>95.2</u>	4	<u>89.7</u>	<u>89.5</u>
5	<u>94.8</u>	<u>95.7</u>	5	<u>91.8</u>	<u>90.7</u>
6	<u>94.9</u>	<u>95.8</u>	6	<u>91.7</u>	<u>90.6</u>
7	<u>95.2</u>	<u>96.0</u>	7	<u>90.3</u>	<u>90.4</u>
8	<u>95.6</u>	<u>95.8</u>	8	<u>92.2</u>	<u>91.6</u>
9	<u>95.3</u>	<u>95.7</u>	9	<u>91.3</u>	<u>90.4</u>
Average	<u>95.0</u>	<u>95.8</u>	Average	<u>91.3</u>	<u>90.0</u>
Std. Dev.	<u>0.355</u>	<u>0.456</u>	Std. Dev	<u>1.044</u>	<u>1.304</u>

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30 days

Opacity, %

BOOK PART LETTER K

BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>95.4</u>	<u>95.1</u>	1	<u>92.1</u>	<u>91.7</u>
2	<u>95.3</u>	<u>95.5</u>	2	<u>92.4</u>	<u>90.7</u>
3	<u>95.6</u>	<u>95.4</u>	3	<u>92.3</u>	<u>90.3</u>
4	<u>95.1</u>	<u>95.7</u>	4	<u>92.4</u>	<u>92.2</u>
5	<u>95.5</u>	<u>95.6</u>	5	<u>92.8</u>	<u>91.7</u>
6	<u>95.2</u>	<u>95.6</u>	6	<u>91.9</u>	<u>92.0</u>
7	<u>95.4</u>	<u>95.5</u>	7	<u>90.8</u>	<u>92.1</u>
8	<u>95.7</u>	<u>95.5</u>	8	<u>92.7</u>	<u>91.7</u>
9	<u>95.2</u>	<u>96.0</u>	9	<u>92.1</u>	<u>92.4</u>
Average	<u>95.4</u>	<u>95.5</u>	Average	<u>92.2</u>	<u>91.6</u>
Std. Dev.	<u>0.199</u>	<u>0.240</u>	Std. Dev	<u>0.587</u>	<u>0.700</u>

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30 days

Opacity, %

BOOK PART LETTER G

BOOK PART LETTER H

Sheet #	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
Tab Number			Tab Number		
1	<u>94.8</u>	<u>94.8</u>	1	<u>88.4</u>	<u>91.1</u>
2	<u>94.8</u>	<u>95.1</u>	2	<u>90.6</u>	<u>92.1</u>
3	<u>94.6</u>	<u>95.4</u>	3	<u>89.4</u>	<u>91.3</u>
4	<u>94.7</u>	<u>94.4</u>	4	<u>89.3</u>	<u>91.7</u>
5	<u>94.5</u>	<u>94.4</u>	5	<u>90.6</u>	<u>91.9</u>
6	<u>94.1</u>	<u>95.1</u>	6	<u>89.5</u>	<u>91.7</u>
7	<u>95.0</u>	<u>94.9</u>	7	<u>89.4</u>	<u>90.4</u>
8	<u>94.5</u>	<u>94.3</u>	8	<u>91.0</u>	<u>91.8</u>
9	<u>94.4</u>	<u>94.9</u>	9	<u>90.5</u>	<u>90.4</u>
Average	<u>94.6</u>	<u>94.8</u>	Average	<u>89.9</u>	<u>91.4</u>
Std. Dev.	<u>0.265</u>	<u>0.376</u>	Std. Dev	<u>0.852</u>	<u>0.630</u>

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304019

Aging Time:

30 days

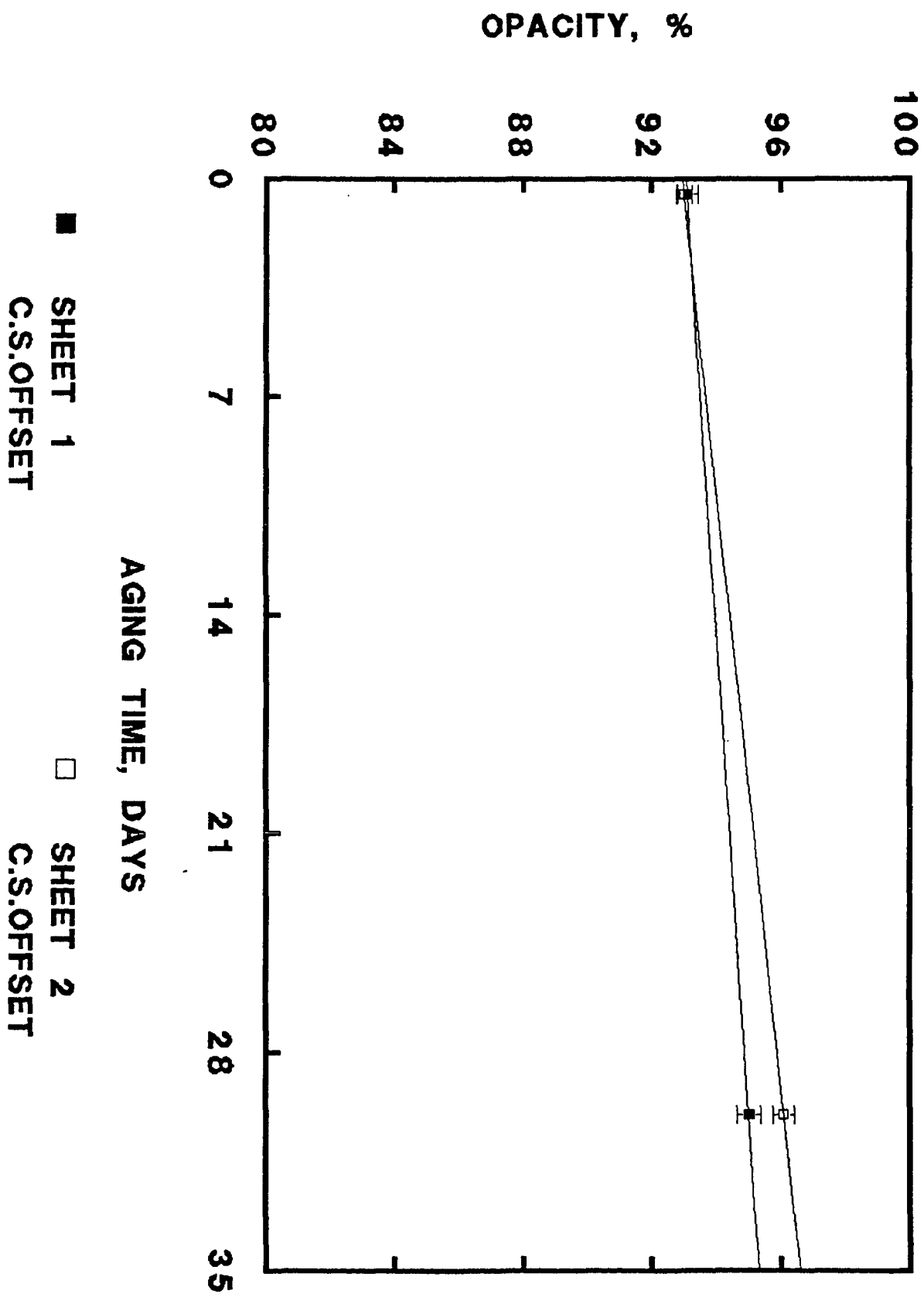
Opacity, %

BOOK PART LETTER K

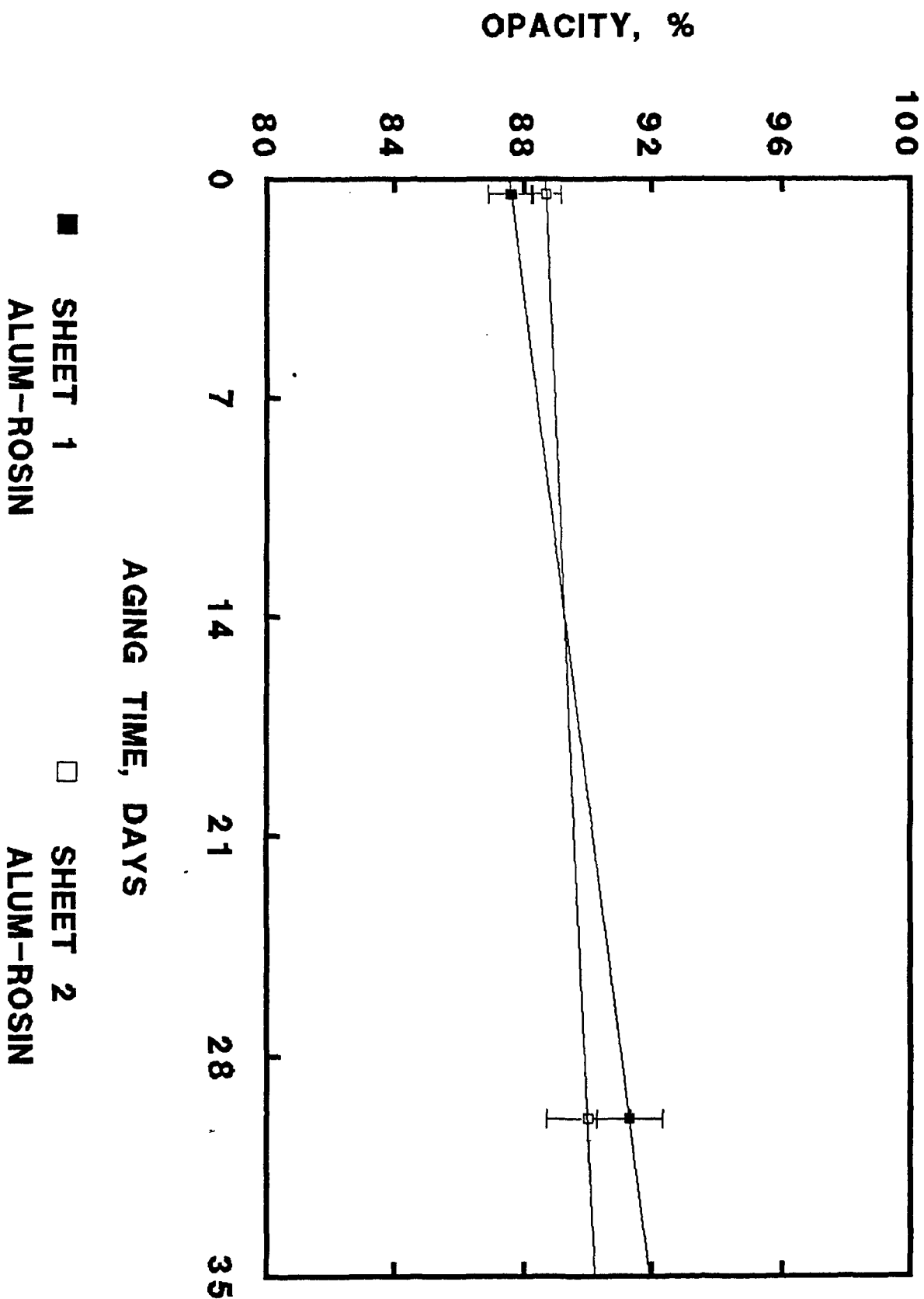
BOOK PART LETTER M

<u>Sheet #</u>	<u>2</u>	<u>12</u>		<u>2</u>	<u>12</u>
<u>Tab Number</u>			<u>Tab Number</u>		
1	<u>95.0</u>	<u>95.2</u>	1	<u>92.1</u>	<u>92.8</u>
2	<u>95.5</u>	<u>95.0</u>	2	<u>92.1</u>	<u>92.3</u>
3	<u>95.2</u>	<u>95.2</u>	3	<u>91.9</u>	<u>92.5</u>
4	<u>95.0</u>	<u>95.1</u>	4	<u>92.0</u>	<u>92.8</u>
5	<u>95.1</u>	<u>95.1</u>	5	<u>93.1</u>	<u>92.3</u>
6	<u>95.2</u>	<u>95.6</u>	6	<u>93.1</u>	<u>92.7</u>
7	<u>95.2</u>	<u>95.1</u>	7	<u>92.5</u>	<u>90.4</u>
8	<u>95.3</u>	<u>94.9</u>	8	<u>91.9</u>	<u>93.3</u>
9	<u>95.1</u>	<u>95.1</u>	9	<u>92.4</u>	<u>91.9</u>
Average	<u>95.2</u>	<u>95.1</u>	Average	<u>92.3</u>	<u>92.3</u>
Std. Dev.	<u>0.156</u>	<u>0.194</u>	Std. Dev	<u>0.475</u>	<u>0.826</u>

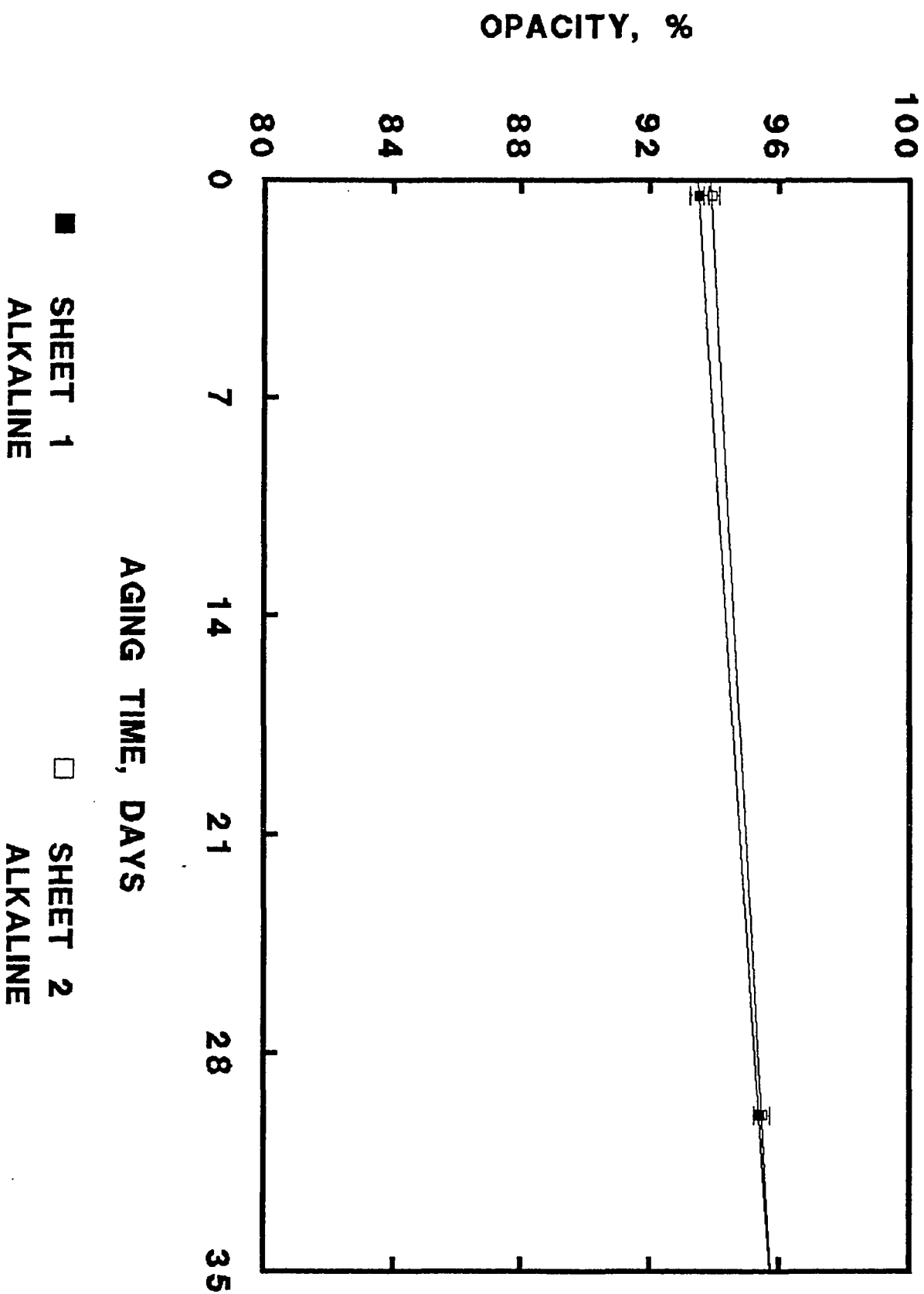
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304016



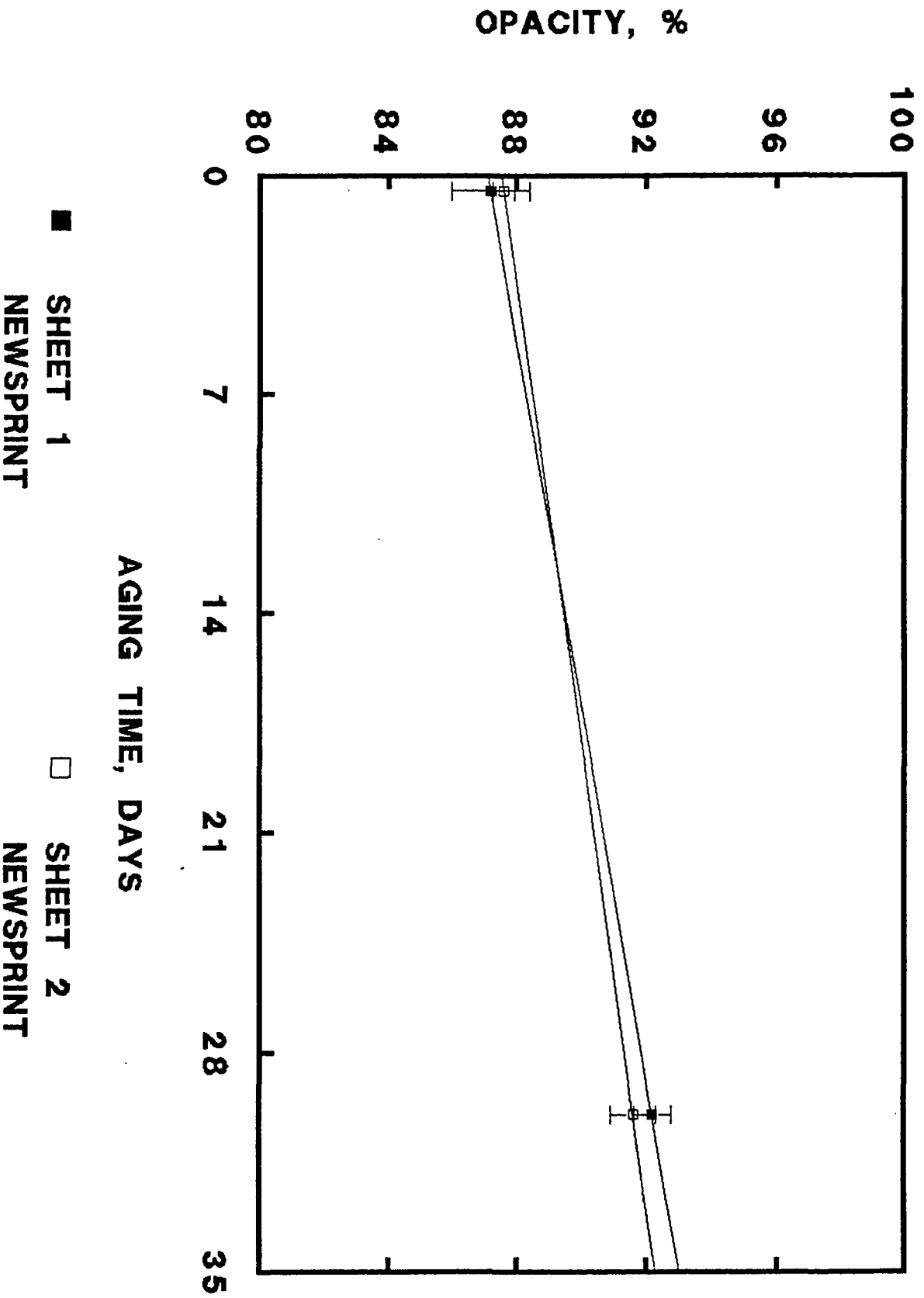
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304016



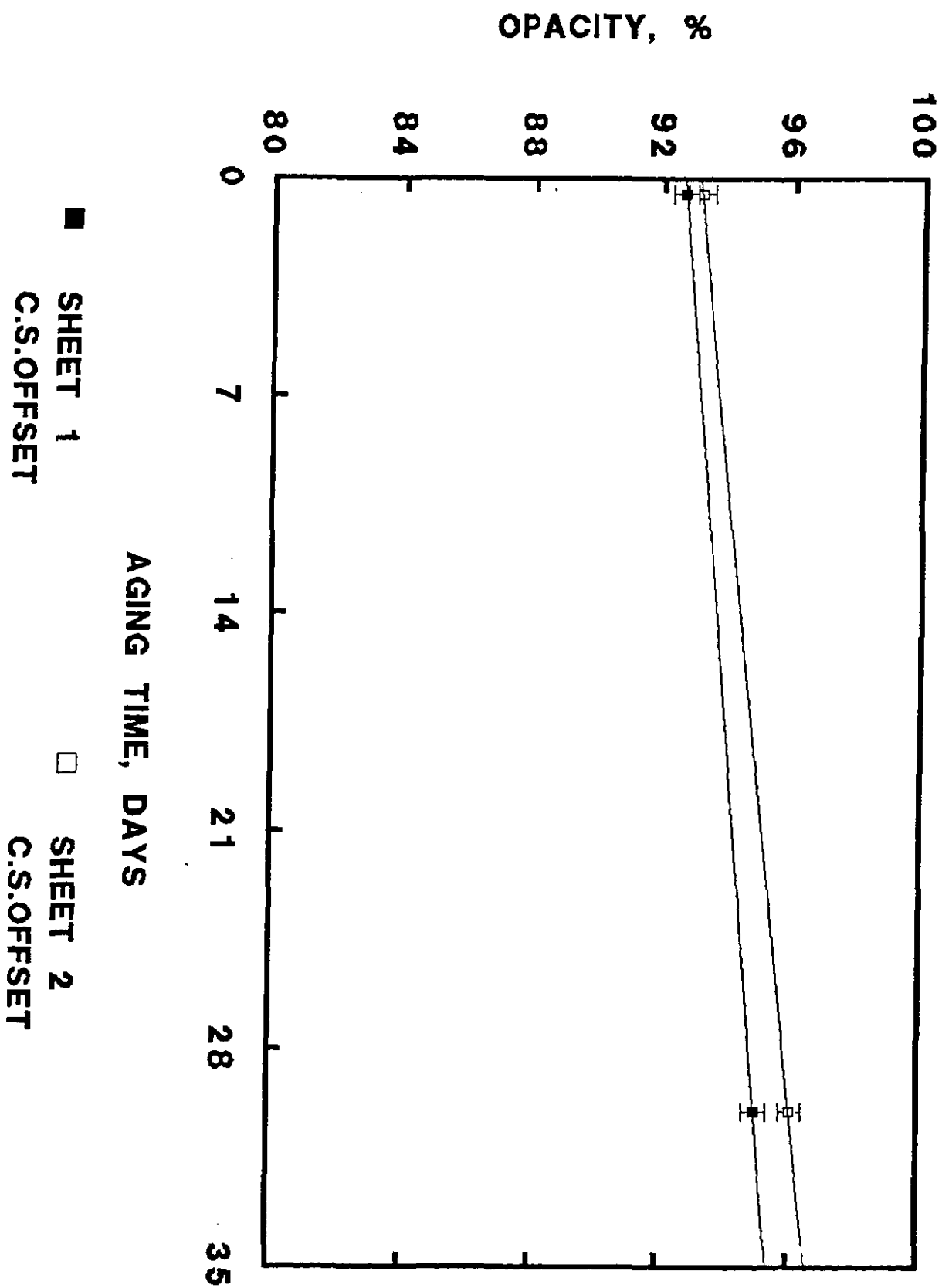
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304016



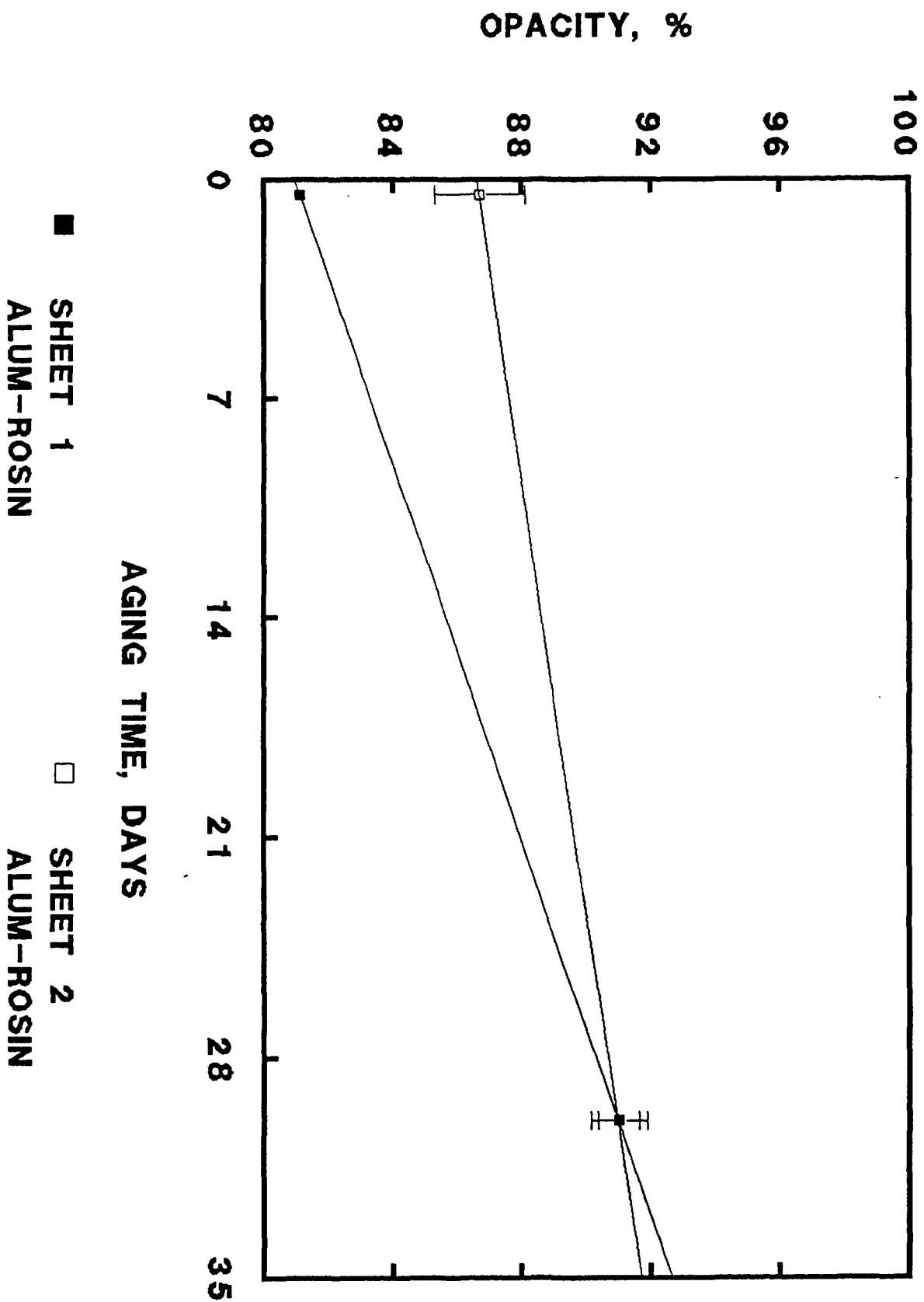
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304016



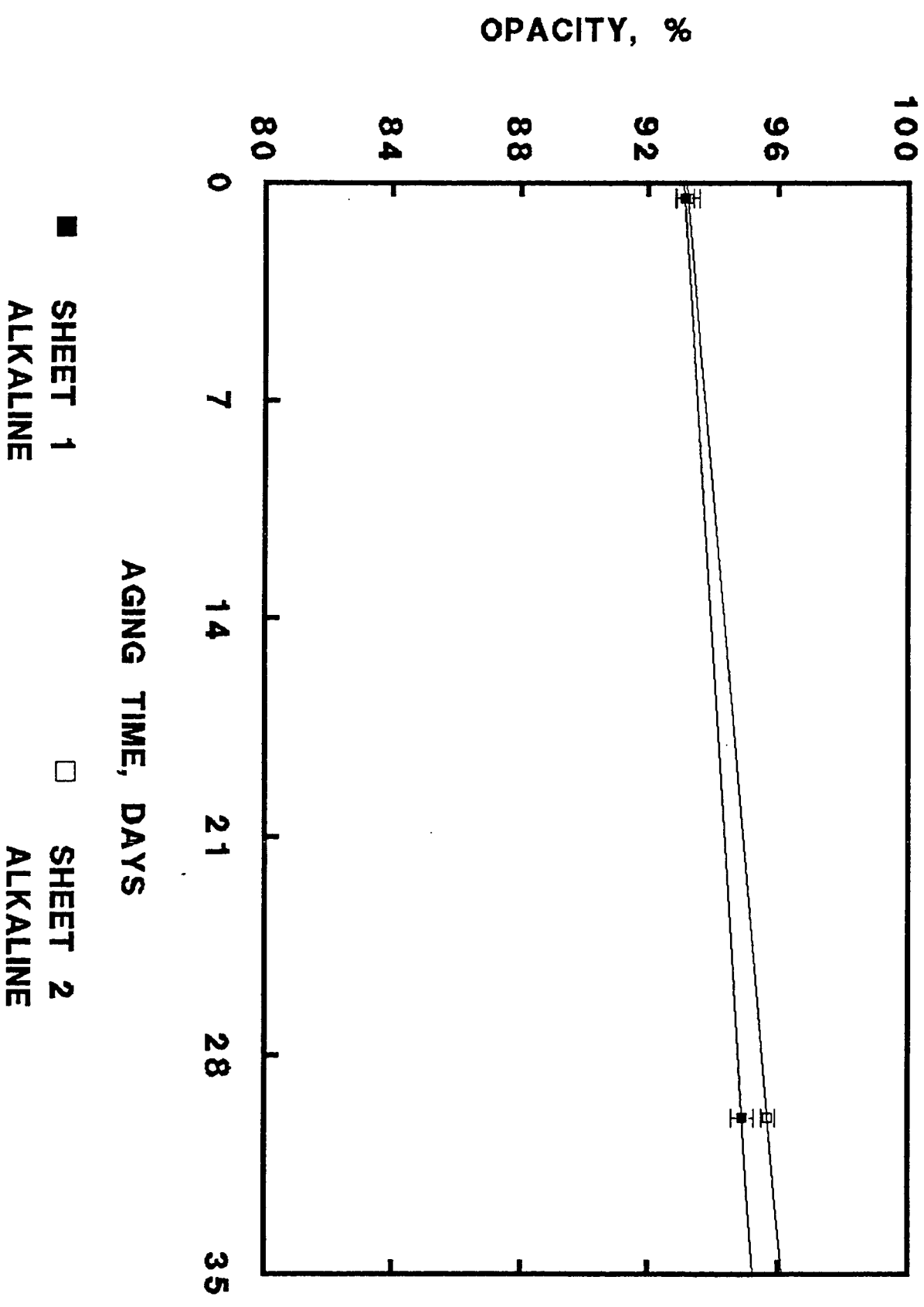
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304018



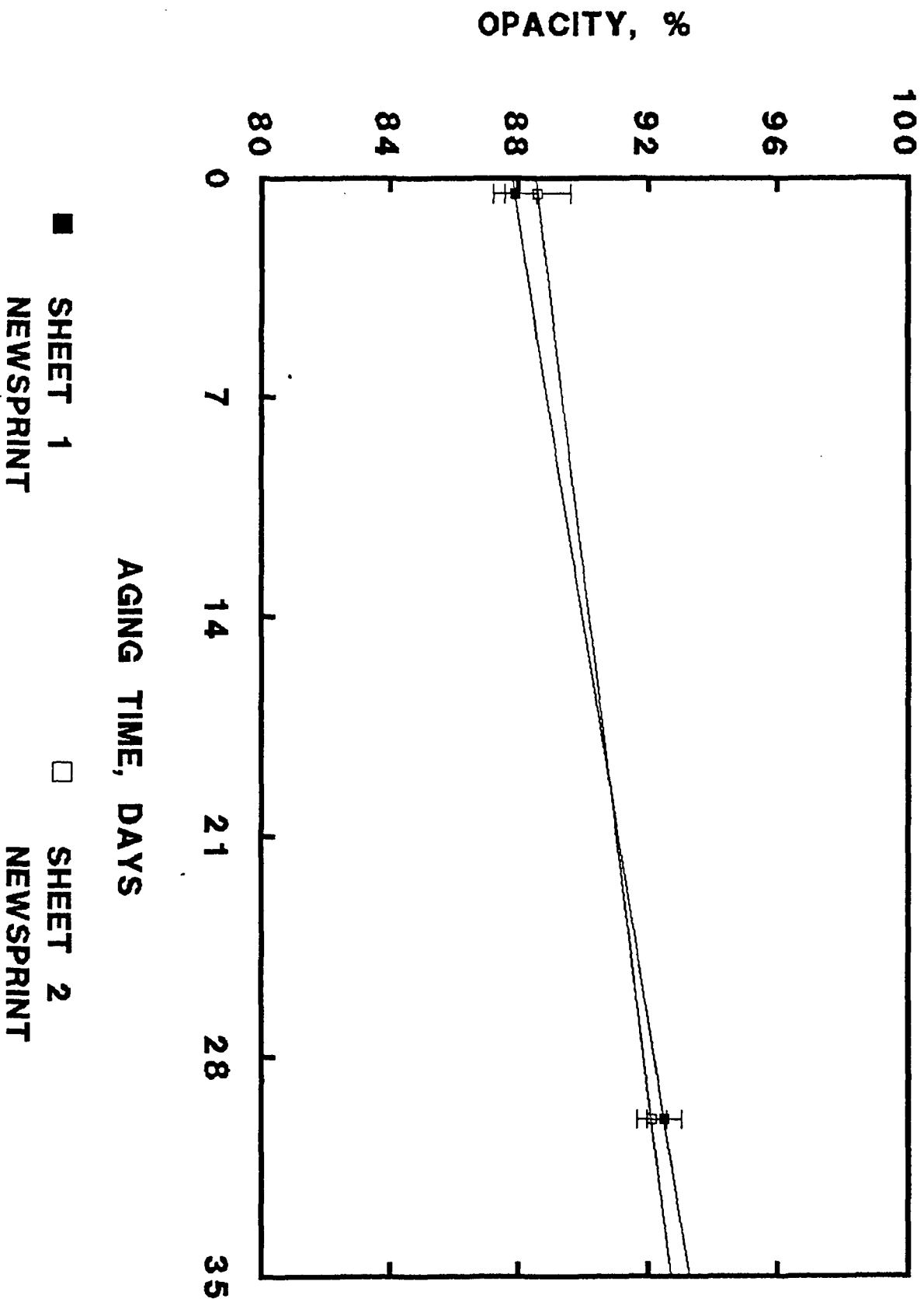
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304018



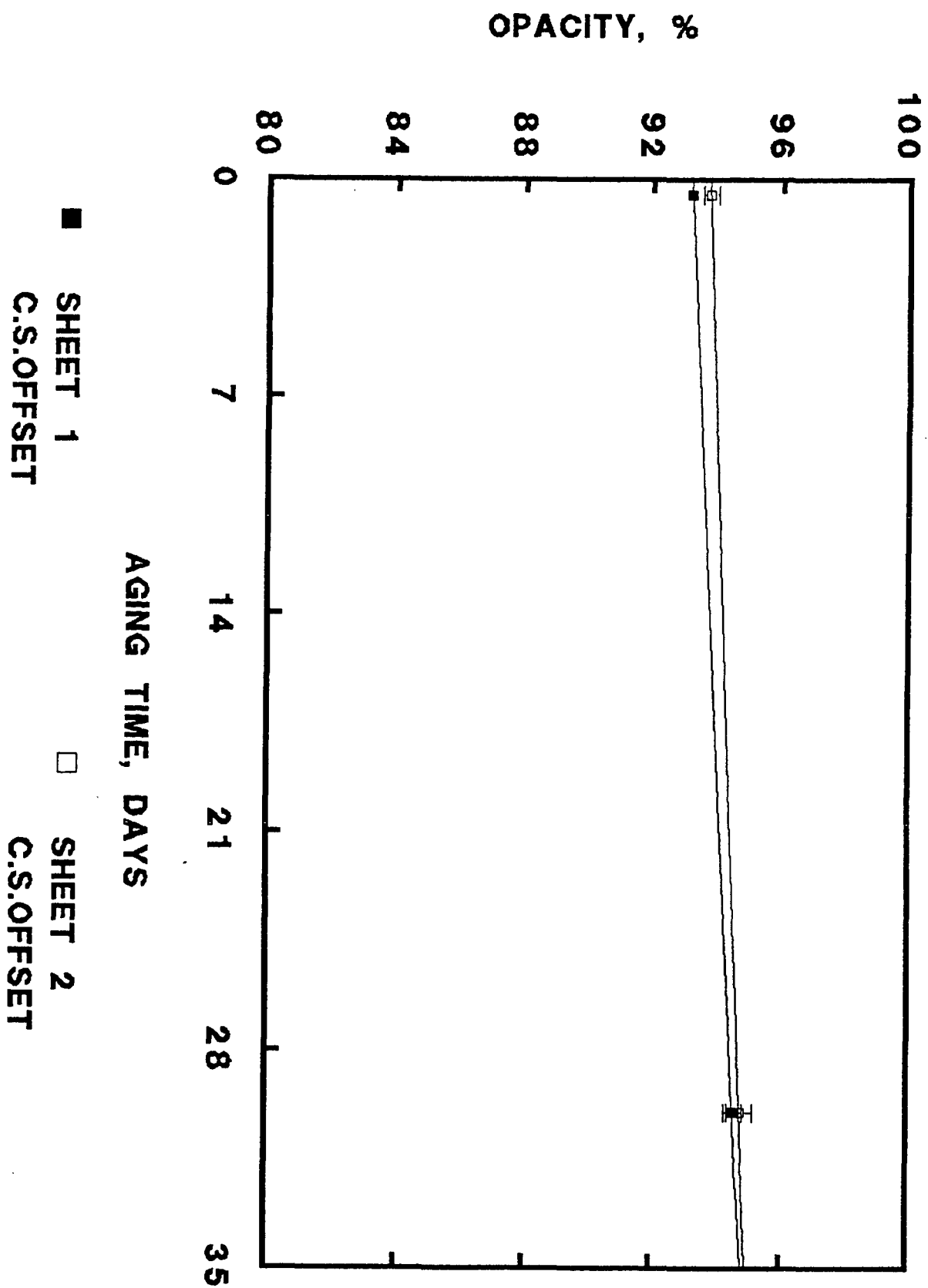
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304018



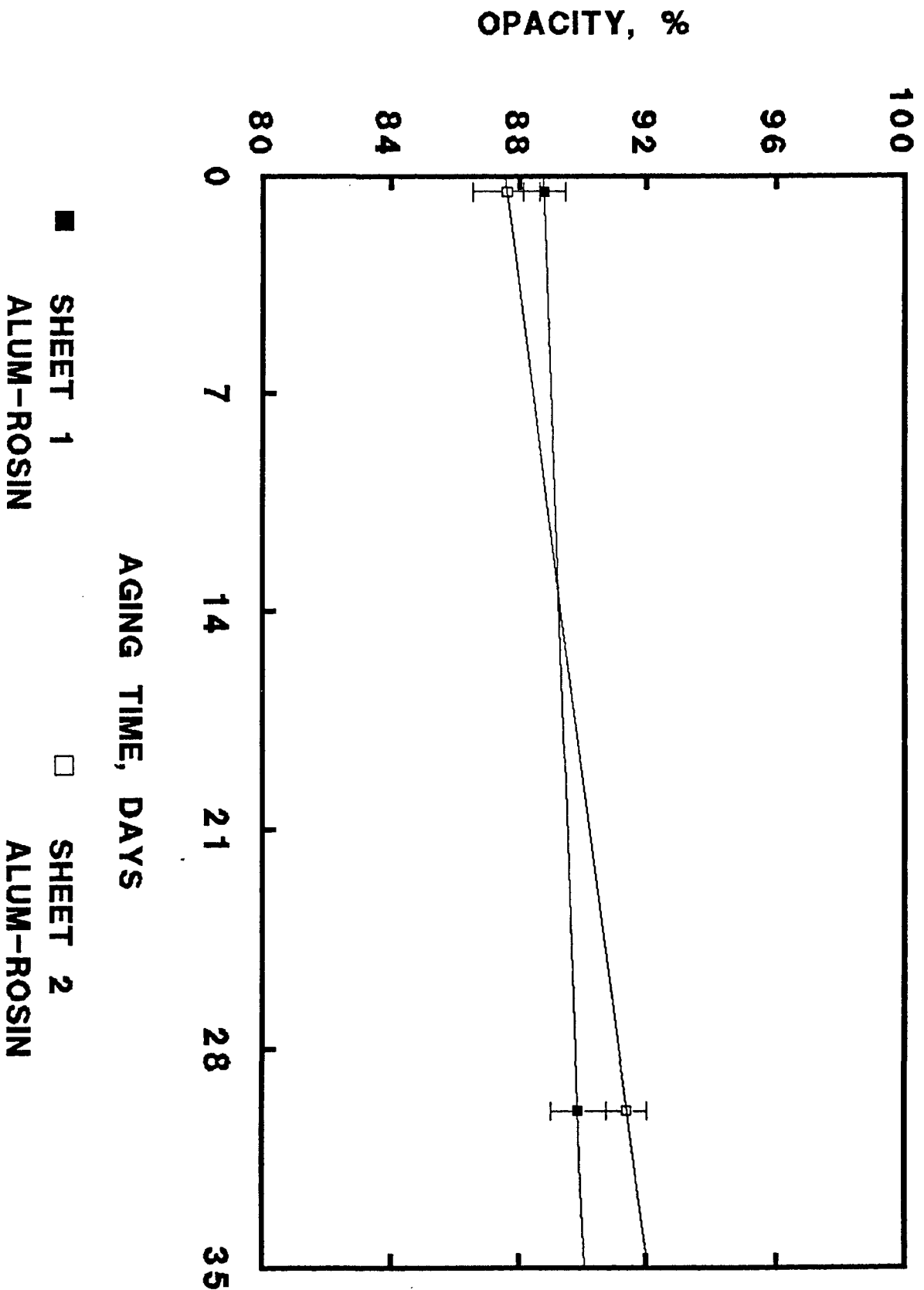
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304018



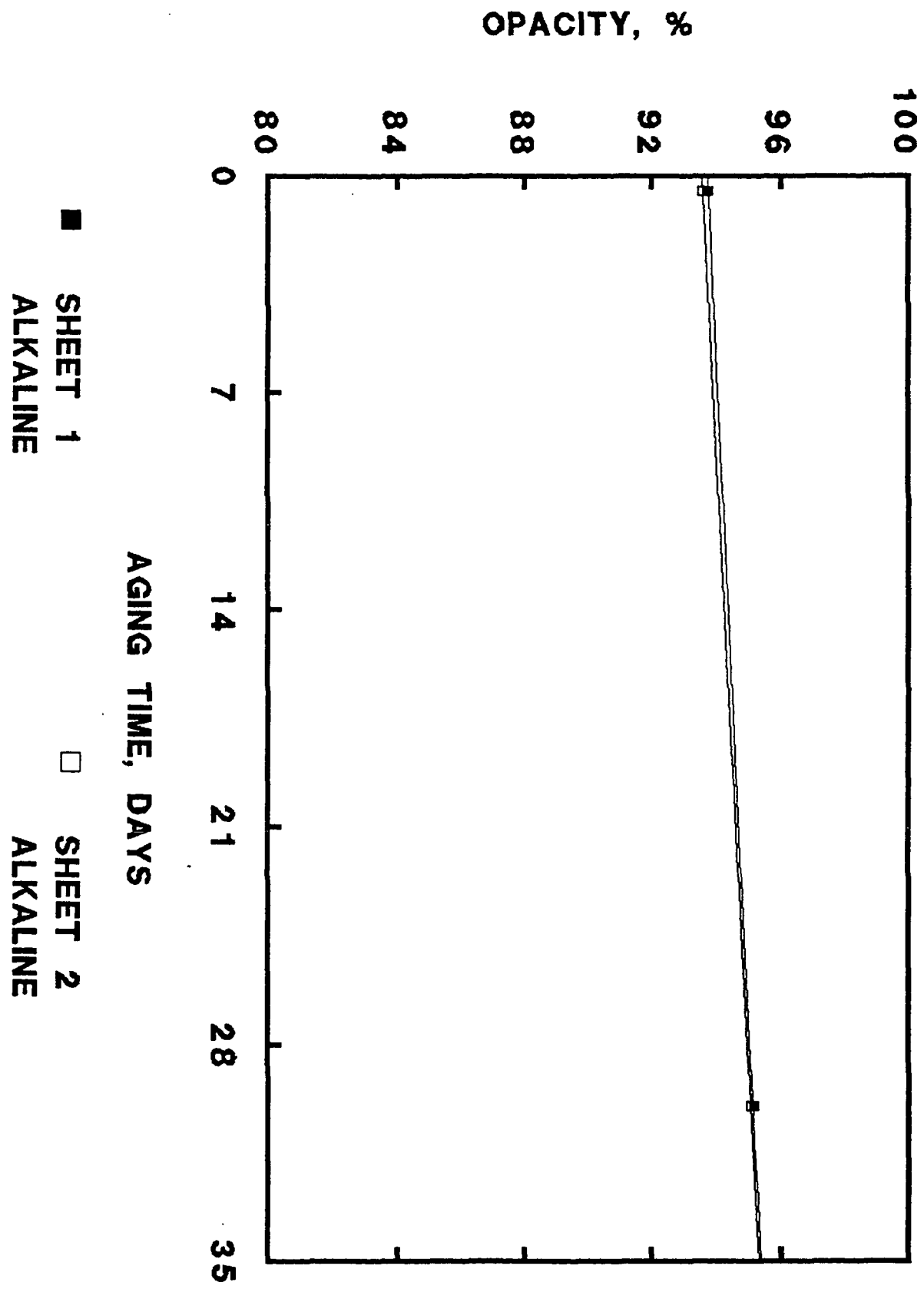
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CONTROL NUMBER 304019



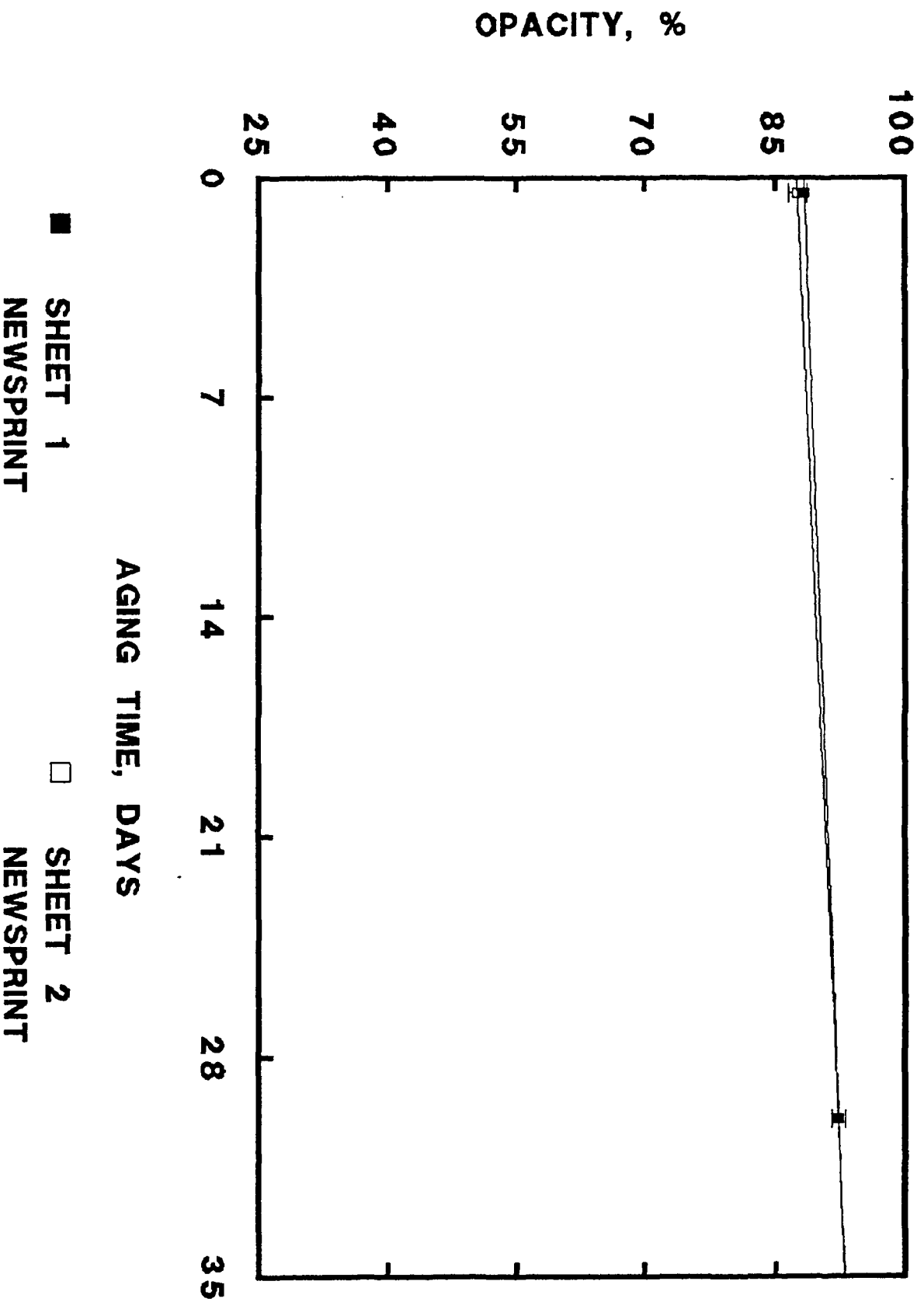
WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304019



WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304019



WEI T'O ASSOCIATES, INC.
CONTROL NUMBER 304019



WEI T'ao ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY DATA

Control Number		<u>304012</u>	Book Part Letter		<u>G</u>
Test Number	Solubility %		Test Number	Solubility %	
Aging Time: 0 days			Aging Time: 12 days		
1	7.9		1	10.7	
2	9.1		2	11.0	
Average	<u>8.5</u>		Average	<u>10.9</u>	
Aging Time: 3 days			Aging Time: 18 days		
1	8.3		1	9.7	
2	9.4		2	8.9	
Average	<u>8.9</u>		Average	<u>9.3</u>	
Aging Time: 6 days			Aging Time: 24 days		
1	9.7		1	9.6	
2	10.7		2	9.5	
Average	<u>10.2</u>		Average	<u>9.6</u>	
Aging Time: 9 days			Aging Time: 30 days		
1	8.0		1	12.0	
2	9.2		2	11.4	
Average	<u>8.6</u>		Average	<u>11.7</u>	

WEI T'o ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY DATA

Control Number		<u>304012</u>	Book Part Letter		<u>H</u>
Test Number	Solubility %		Test Number	Solubility %	
Aging Time:		0 days	Aging Time:		12 days
1	16.9		1	18.2	
2	16.3		2	18.0	
Average	<u>16.6</u>		Average	<u>18.1</u>	
Aging Time:		3 days	Aging Time:		18 days
1	17.2		1	15.5	
2	17.0		2	15.9	
Average	<u>17.1</u>		Average	<u>15.7</u>	
Aging Time:		6 days	Aging Time:		24 days
1	18.4		1	17.5	
2	17.6		2	16.5	
Average	<u>18.0</u>		Average	<u>17.0</u>	
Aging Time:		9 days	Aging Time:		30 days
1	16.3		1	17.7	
2	15.7		2	17.7	
Average	<u>16.0</u>		Average	<u>17.7</u>	

WEI T'o ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY DATA

Control Number		<u>304012</u>	Book Part Letter		<u>K</u>
Test Number	Solubility %		Test Number	Solubility %	
Aging Time:		0 days	Aging Time:		12 days
1	16.3		1	14.3	
2	16.5		2	13.8	
Average		<u>16.4</u>	Average		<u>14.1</u>
Aging Time:		3 days	Aging Time:		18 days
1	15.0		1	14.8	
2	15.7		2	14.8	
Average		<u>15.4</u>	Average		<u>14.8</u>
Aging Time:		6 days	Aging Time:		24 days
1	16.2		1	15.5	
2	16.3		2	14.2	
Average		<u>16.3</u>	Average		<u>14.9</u>
Aging Time:		9 days	Aging Time:		30 days
1	14.7		1	17.3	
2	14.0		2	15.8	
Average		<u>14.4</u>	Average		<u>16.6</u>

WEI T'o ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY DATA

Control Number		<u>304012</u>	Book Part Letter		<u>M</u>
Test Number	Solubility %		Test Number	Solubility %	
Aging Time:		0 days	Aging Time:		12 days
1	10.4		1	10.7	
2	10.6		2	10.7	
Average	<u>10.5</u>		Average	<u>10.7</u>	
Aging Time:		3 days	Aging Time:		18 days
1	11.2		1	9.8	
2	11.1		2	8.2	
Average	<u>11.2</u>		Average	<u>9.0</u>	
Aging Time:		6 days	Aging Time:		24 days
1	11.6		1	9.7	
2	11.7		2	9.5	
Average	<u>11.7</u>		Average	<u>9.6</u>	
Aging Time:		9 days	Aging Time:		30 days
1	10.4		1	12.3	
2	10.1		2	12.7	
Average	<u>10.3</u>		Average	<u>12.5</u>	

WEI T'o ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY DATA

Control Number		304015	Book Part Letter		G
Test Number	Solubility %		Test Number	Solubility %	
Aging Time:		0 days	Aging Time:		12 days
1	8.6		1	9.8	
2	9.2		2	9.2	
Average		<u>8.9</u>	Average		<u>9.5</u>
Aging Time:		3 days	Aging Time:		18 days
1	8.7		1	10.5	
2	9.3		2	10.9	
Average		<u>9.0</u>	Average		<u>10.7</u>
Aging Time:		6 days	Aging Time:		24 days
1	9.9		1	9.9	
2	9.7		2	10.5	
Average		<u>9.8</u>	Average		<u>10.2</u>
Aging Time:		9 days	Aging Time:		30 days
1	9.0		1	11.5	
2	7.9		2	10.9	
Average		<u>8.5</u>	Average		<u>11.2</u>

WEI T'o ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY DATA

Control Number		<u>304015</u>	Book Part Letter		<u>H</u>
Test Number	Solubility %		Test Number	Solubility %	
Aging Time:		0 days	Aging Time:		12 days
1	15.1		1	16.2	
2	14.6		2	16.5	
Average		<u>14.9</u>	Average		<u>16.4</u>
Aging Time:		3 days	Aging Time:		18 days
1	15.3		1	19.3	
2	14.6		2	18.2	
Average		<u>15.0</u>	Average		<u>18.8</u>
Aging Time:		6 days	Aging Time:		24 days
1	16.3		1	18.6	
2	16.0		2	18.1	
Average		<u>16.2</u>	Average		<u>18.4</u>
Aging Time:		9 days	Aging Time:		30 days
1	14.6		1	17.4	
2	15.1		2	18.5	
Average		<u>14.9</u>	Average		<u>18.0</u>

WEI T'o ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY DATA

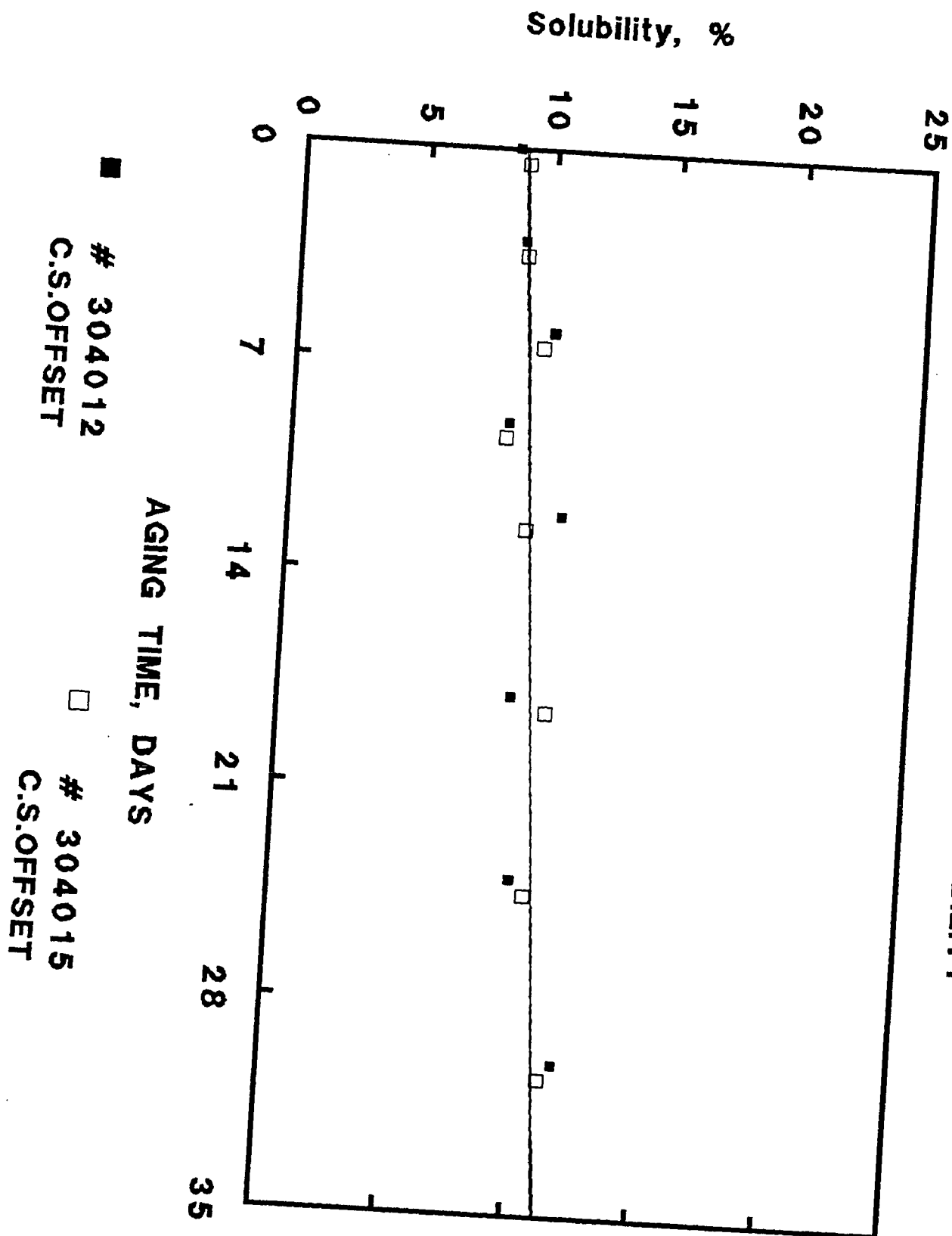
Control Number		<u>304015</u>	Book Part Letter		<u>K</u>
Test Number	Solubility %		Test Number	Solubility %	
Aging Time:		0 days	Aging Time:		12 days
1	16.0		1	15.6	
2	15.7		2	15.3	
Average		<u>15.9</u>	Average		<u>15.5</u>
Aging Time:		3 days	Aging Time:		18 days
1	16.1		1	14.6	
2	16.1		2	16.8	
Average		<u>16.1</u>	Average		<u>15.7</u>
Aging Time:		6 days	Aging Time:		24 days
1	15.5		1	14.6	
2	15.1		2	15.7	
Average		<u>15.3</u>	Average		<u>15.2</u>
Aging Time:		9 days	Aging Time:		30 days
1	14.6		1	16.2	
2	14.6		2	15.8	
Average		<u>14.6</u>	Average		<u>16.0</u>

WEI T'o ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY DATA

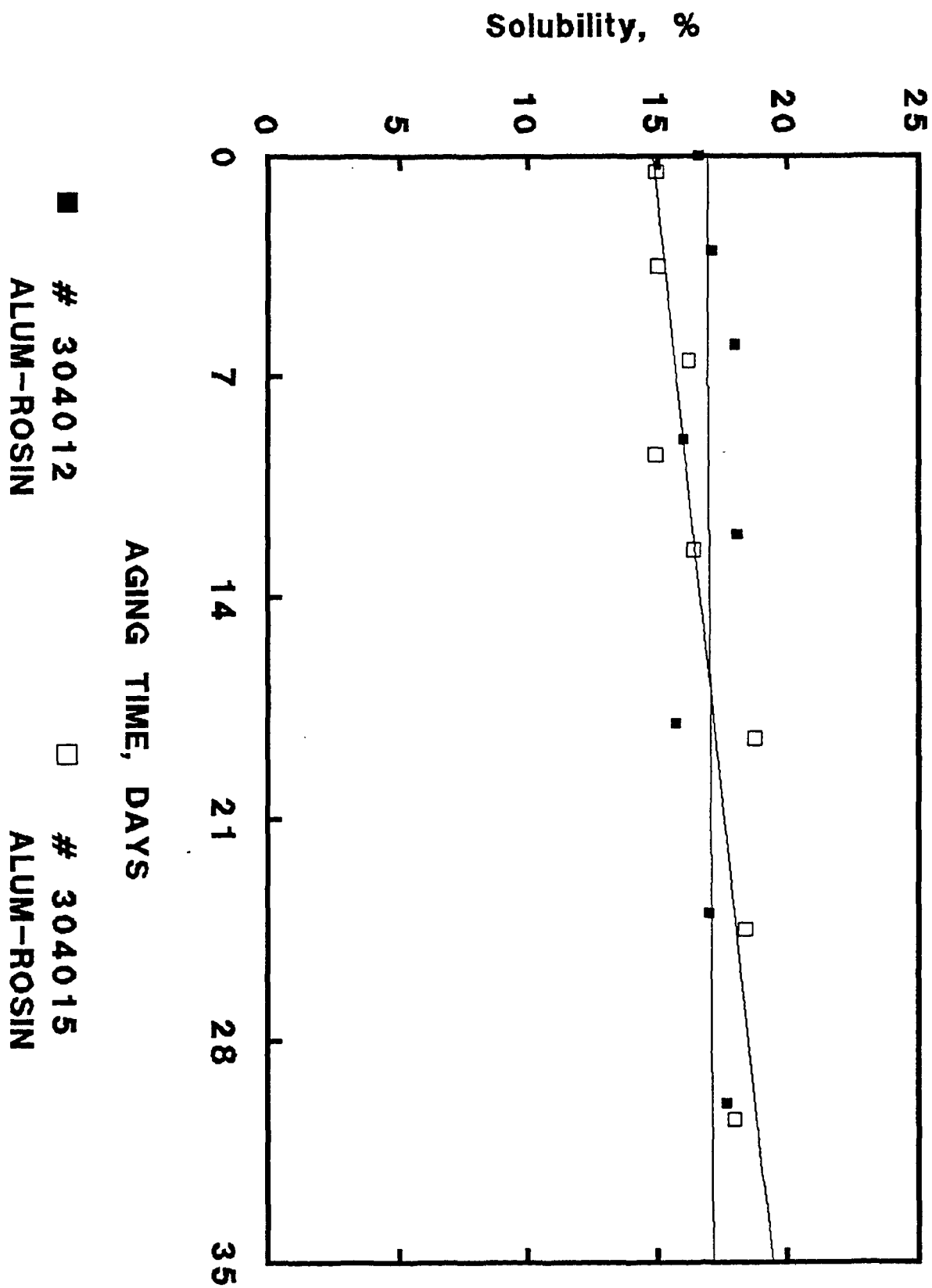
Control Number		<u>304015</u>	Book Part Letter		<u>M</u>
Test Number	Solubility %		Test Number	Solubility %	
Aging Time:		0 days	Aging Time:		12 days
1	11.9		1	10.0	
2	12.3		2	10.5	
Average	<u>12.1</u>		Average	<u>10.3</u>	
Aging Time:		3 days	Aging Time:		18 days
1	10.3		1	9.6	
2	10.4		2	10.0	
Average	<u>10.4</u>		Average	<u>9.8</u>	
Aging Time:		6 days	Aging Time:		24 days
1	10.2		1	10.0	
2	10.9		2	10.9	
Average	<u>10.6</u>		Average	<u>10.5</u>	
Aging Time:		9 days	Aging Time:		30 days
1	9.6		1	11.0	
2	8.7		2	11.7	
Average	<u>9.2</u>		Average	<u>11.4</u>	

WEI T'O ASSOCIATES, INC.
SODIUM HYDROXIDE SOLUBILITY

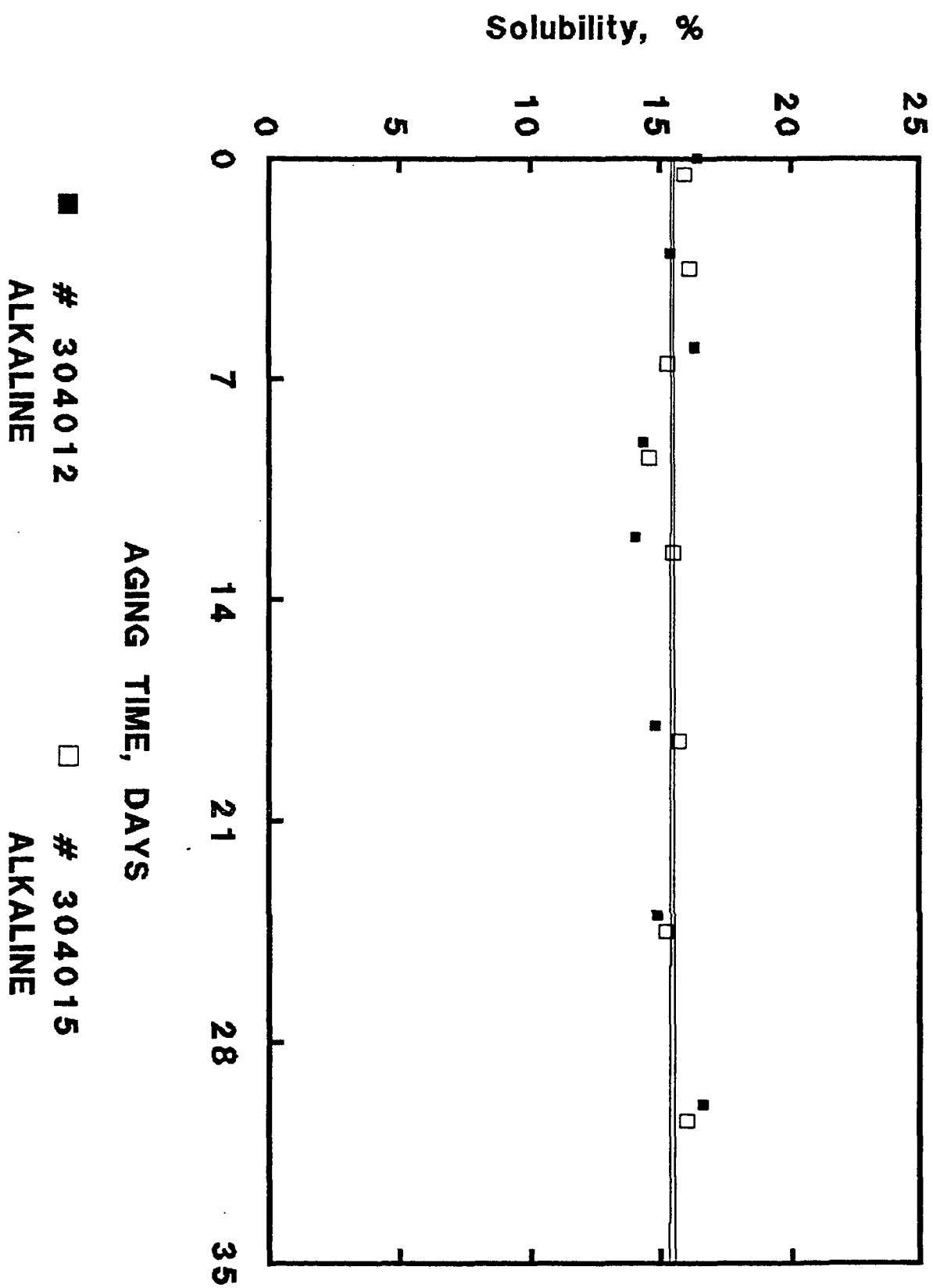


WEI T,O ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY

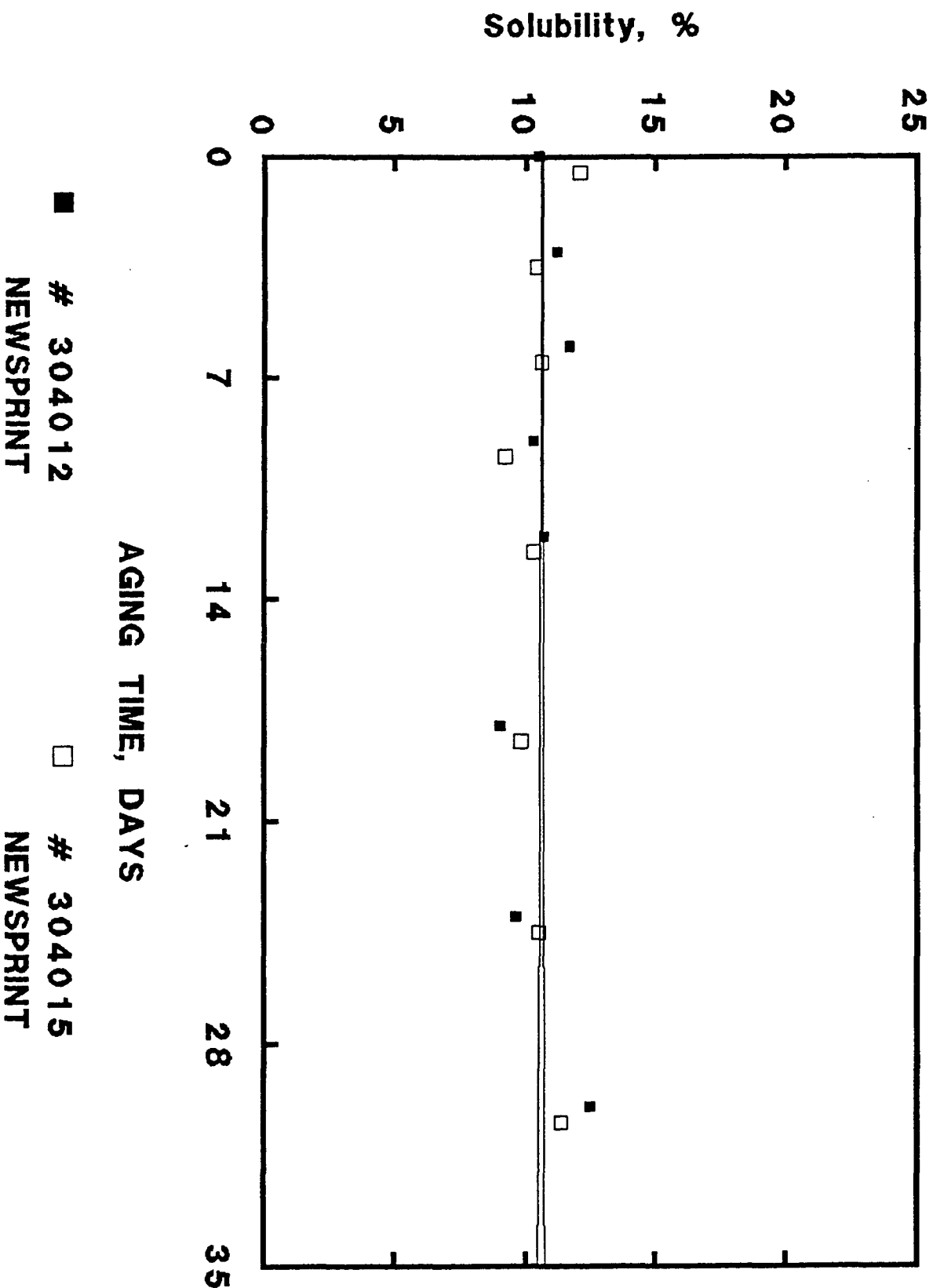


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SODIUM HYDROXIDE SOLUBILITY



WEI T'O ASSOCIATES, INC.

SODIUM HYDROXIDE SOLUBILITY



WEI T'o ASSOCIATES, INC.

RETENTION OF ALKALINE RESERVE DATA

Control Number		<u>304013</u>	Book Part Letter		<u>G</u>
Test Number	CaCO ₃ , %		Test Number	CaCO ₃ , %	
Aging Time: 0 days			Aging Time: 12 days		
1	1.1		1	0.6	
2	1.2		2	0.6	
Average	<u>1.2</u>		Average	<u>0.6</u>	
Aging Time: 3 days			Aging Time: 18 days		
1	0.8		1	0.6	
2	0.7		2	0.7	
Average	<u>0.7</u>		Average	<u>0.7</u>	
Aging Time: 6 days			Aging Time: 24 days		
1	0.3		1	0.6	
2	0.4		2	0.6	
Average	<u>0.4</u>		Average	<u>0.6</u>	
Aging Time: 9 days			Aging Time: 30 days		
1	0.7		1	0.5	
2	0.6		2	0.5	
Average	<u>0.6</u>		Average	<u>0.5</u>	

WEI T'o ASSOCIATES, INC.

RETENTION OF ALKALINE RESERVE DATA

Control Number		<u>304013</u>	Book Part Letter		<u>H</u>
Test Number	CaCO ₃ , %		Test Number	CaCO ₃ , %	
Aging Time:		0 days	Aging Time:		12 days
1	1.5		1	0.8	
2	1.5		2	0.9	
Average		<u>1.5</u>	Average		<u>0.9</u>
Aging Time:		3 days	Aging Time:		18 days
1	1.3		1	1.0	
2	1.3		2	1.0	
Average		<u>1.3</u>	Average		<u>1.0</u>
Aging Time:		6 days	Aging Time:		24 days
1	0.9		1	0.8	
2	0.9		2	0.9	
Average		<u>0.9</u>	Average		<u>0.9</u>
Aging Time:		9 days	Aging Time:		30 days
1	1.0		1	0.8	
2	1.0		2	0.8	
Average		<u>1.0</u>	Average		<u>0.8</u>

WEI T'o ASSOCIATES, INC.

RETENTION OF ALKALINE RESERVE DATA

Control Number		<u>304013</u>	Book Part Letter		<u>M</u>
Test Number	CaCO ₃ , %		Test Number	CaCO ₃ , %	
Aging Time: 0 days			Aging Time: 12 days		
1	1.5		1	0.8	
2	1.9		2	1.0	
Average	<u>1.7</u>		Average	<u>0.9</u>	
Aging Time: 3 days			Aging Time: 18 days		
1	1.1		1	0.8	
2	1.1		2	0.6	
Average	<u>1.1</u>		Average	<u>0.7</u>	
Aging Time: 6 days			Aging Time: 24 days		
1	0.7		1	0.7	
2	0.7		2	0.9	
Average	<u>0.7</u>		Average	<u>0.8</u>	
Aging Time: 9 days			Aging Time: 30 days		
1	0.8		1	0.7	
2	1.1		2	0.6	
Average	<u>0.9</u>		Average	<u>0.7</u>	

WEI T'o ASSOCIATES, INC.

RETENTION OF ALKALINE RESERVE DATA

Control Number		<u>304022</u>	Book Part Letter		<u>G</u>
Test Number	CaCO ₃ , %		Test Number	CaCO ₃ , %	
Aging Time:		0 days	Aging Time:		12 days
1	1.2		1	0.7	
2	1.3		2	0.7	
Average		<u>1.2</u>	Average		<u>0.7</u>
Aging Time:		3 days	Aging Time:		18 days
1	1.0		1	0.7	
2	0.9		2	0.7	
Average		<u>0.9</u>	Average		<u>0.7</u>
Aging Time:		6 days	Aging Time:		24 days
1	0.5		1	0.3	
2	0.3		2	0.5	
Average		<u>0.4</u>	Average		<u>0.4</u>
Aging Time:		9 days	Aging Time:		30 days
1	0.6		1	0.5	
2	0.6		2	0.5	
Average		<u>0.6</u>	Average		<u>0.5</u>

WEI T'o ASSOCIATES, INC.

RETENTION OF ALKALINE RESERVE DATA

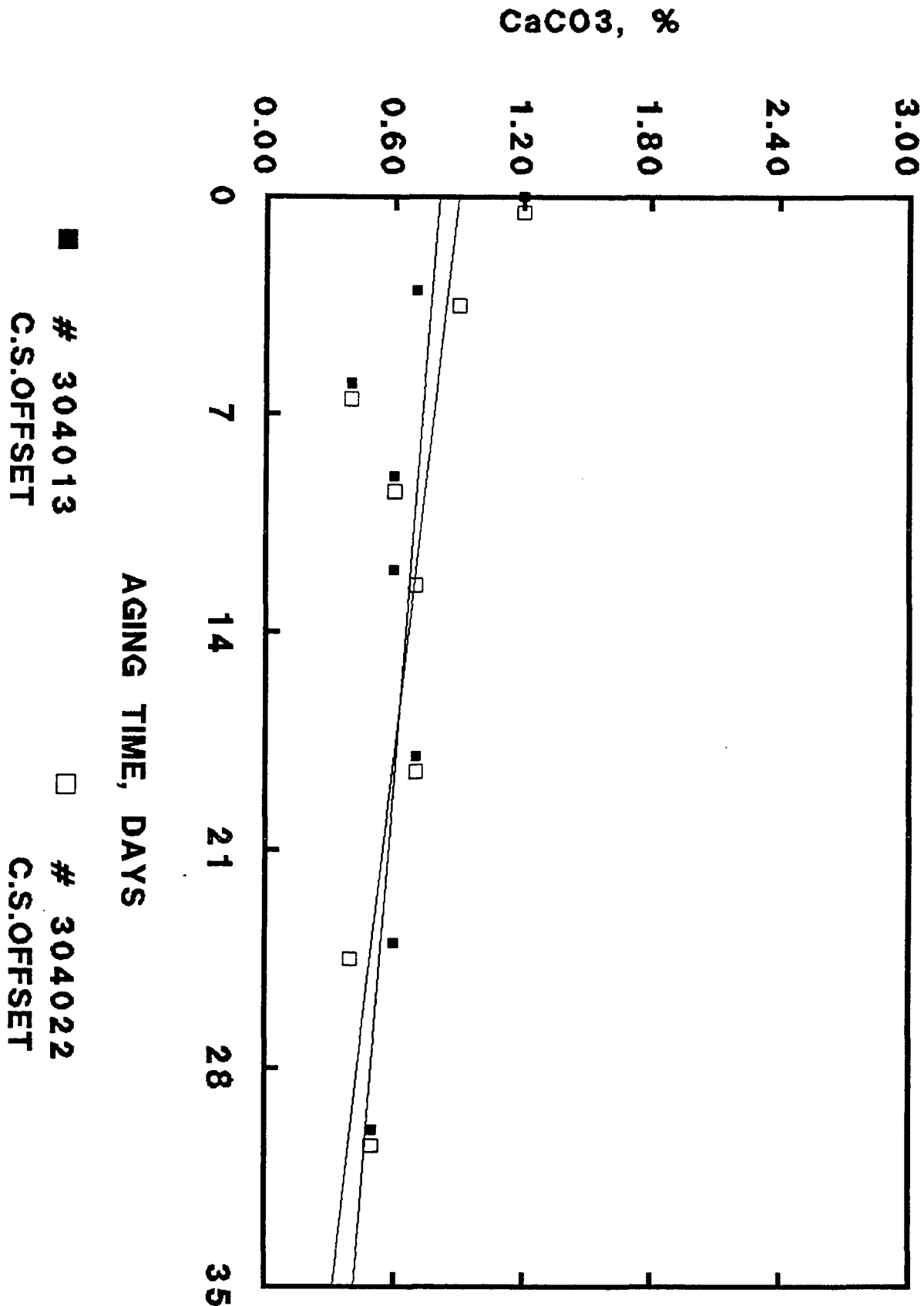
Control Number		<u>304022</u>	Book Part Letter		<u>H</u>
Test Number	CaCO ₃ , %		Test Number	CaCO ₃ , %	
Aging Time: 0 days			Aging Time: 12 days		
1	1.3		1	0.5	
2	1.3		2	0.4	
Average	<u>1.3</u>		Average	<u>0.4</u>	
Aging Time: 3 days			Aging Time: 18 days		
1	1.1		1	1.0	
2	1.3		2	1.0	
Average	<u>1.2</u>		Average	<u>1.0</u>	
Aging Time: 6 days			Aging Time: 24 days		
1	0.7		1	0.8	
2	1.8		2	0.8	
Average	<u>1.2</u>		Average	<u>0.8</u>	
Aging Time: 9 days			Aging Time: 30 days		
1	0.8		1	0.8	
2	1.0		2	0.8	
Average	<u>0.9</u>		Average	<u>0.8</u>	

WEI T'o ASSOCIATES, INC.

RETENTION OF ALKALINE RESERVE DATA

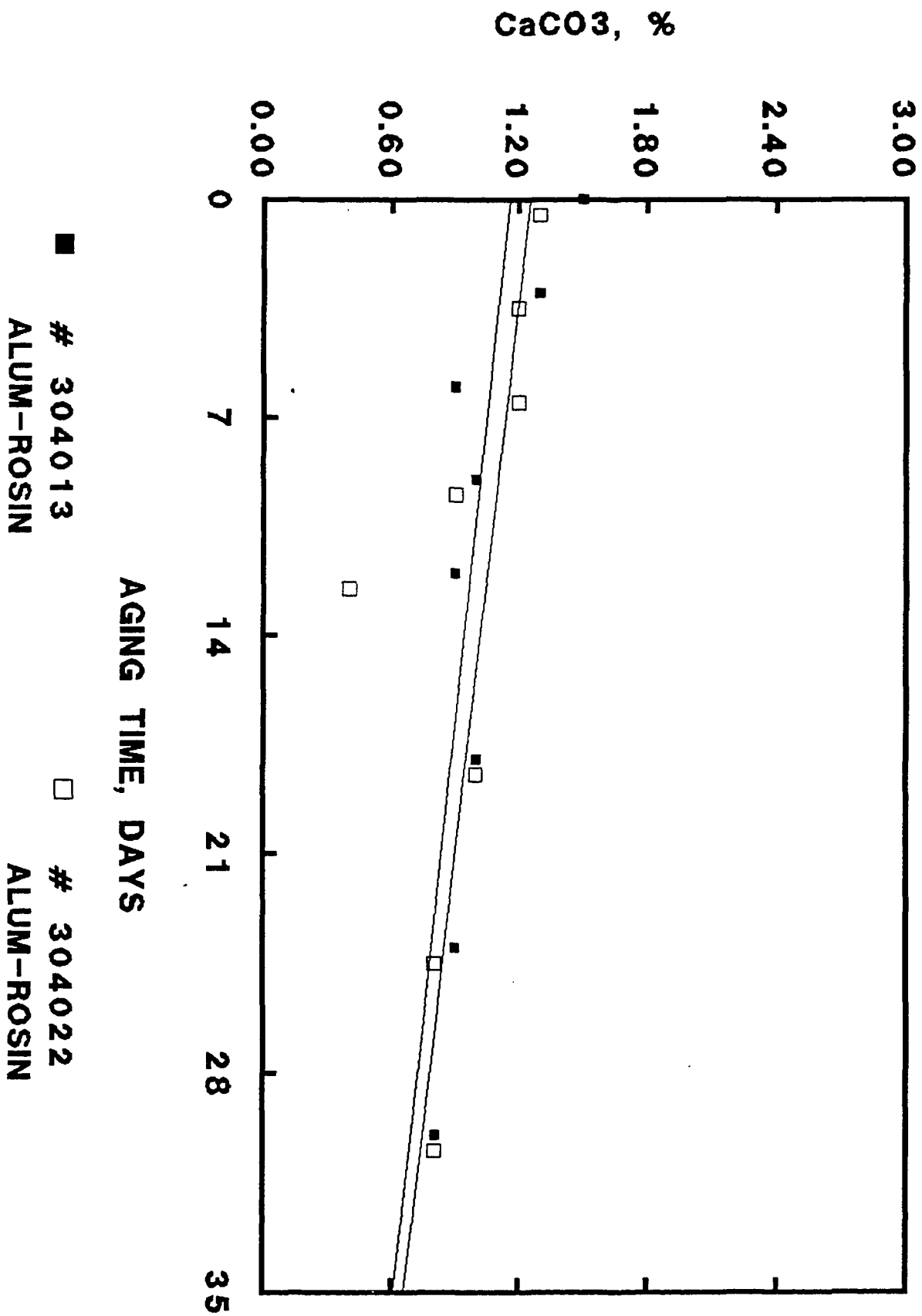
Control Number		<u>304022</u>	Book Part Letter		<u>M</u>
Test Number	CaCO ₃ , %		Test Number	CaCO ₃ , %	
Aging Time: 0 days			Aging Time: 12 days		
1	1.7		1	0.7	
2	1.8		2	1.0	
Average	<u>1.8</u>		Average	<u>0.9</u>	
Aging Time: 3 days			Aging Time: 18 days		
1	1.5		1	0.5	
2	1.4		2	0.8	
Average	<u>1.4</u>		Average	<u>0.6</u>	
Aging Time: 6 days			Aging Time: 24 days		
1	0.8		1	0.8	
2	0.8		2	0.9	
Average	<u>0.8</u>		Average	<u>0.9</u>	
Aging Time: 9 days			Aging Time: 30 days		
1	0.7		1	0.7	
2	0.6		2	0.6	
Average	<u>0.7</u>		Average	<u>0.6</u>	

WEI T'O ASSOCIATES, INC.
RETENTION OF ALKALINE RESERVE



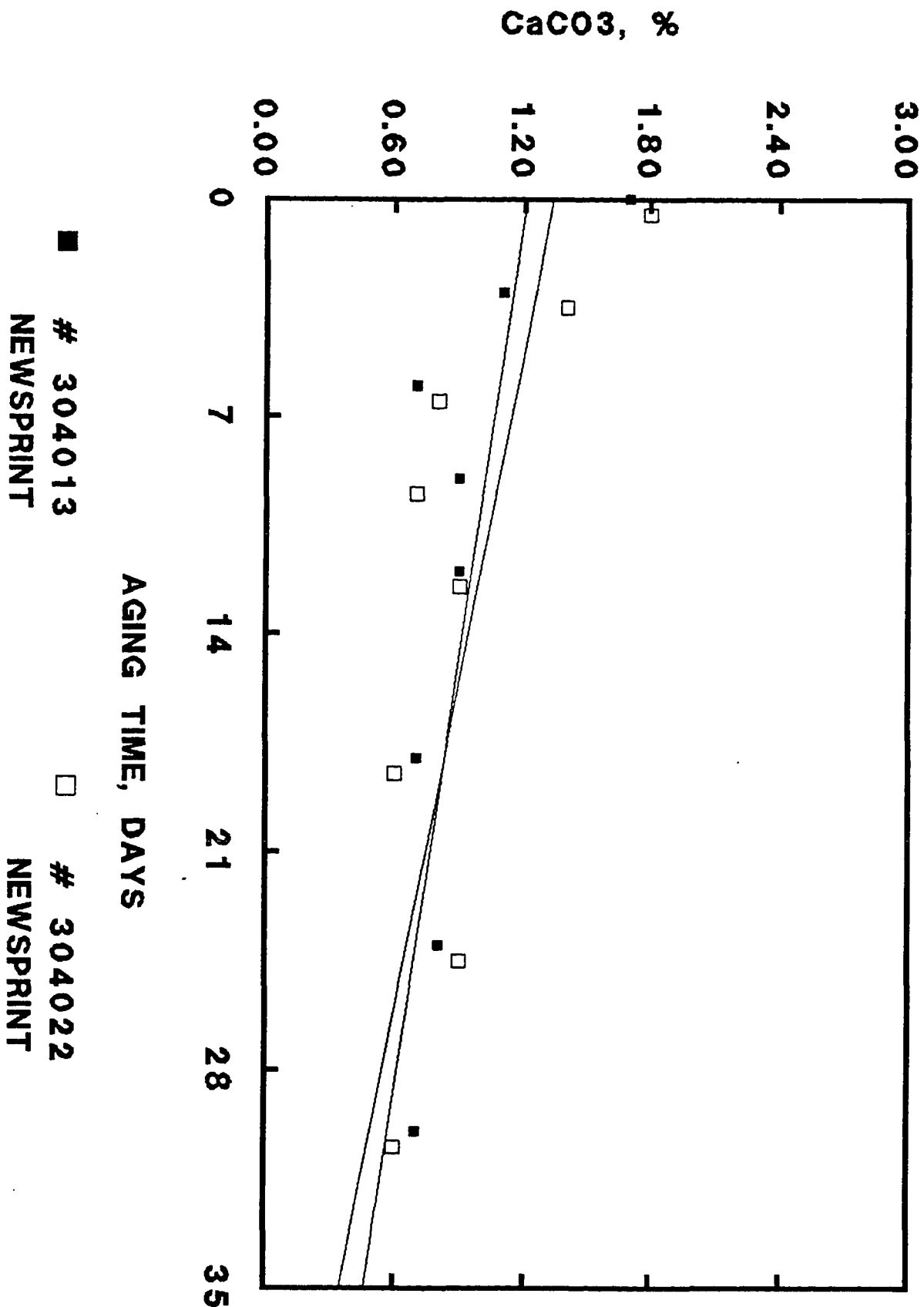
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