

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASELINE STUDY

✓ Project 1105-¹³(B)

1947

Progress Report 1

to

Fourdrinier Kraft Board Institute, Inc.

July 21, 1947

July 21, 1947
File: 1108-B

SUMMARY OF INDIVIDUAL TEST LOTS—JUNE 30 THROUGH JULY 21

File No.	Code No.	Date Recd.	Date Made	Grade	Mch. No.	Basis Weight, lb.	Caliper, pt.			Bursting Strength, pt.			G. E. Puncture, units			Elmendorf Tear, g./sheet						
							Max.	Min.	Av.	Max.	Min.	Av.	Max.	Min.	Av.	In Direction			Across Direction			
128467	A	7/17/47	7/12/47	42-1b.	1	43.1	16.0	14.8	15.5	123	78	102	42	38	40	440	352	385	496	384	443	
128463	B	7/16/47	7/12/47	42-1b.	1	44.9	17.5	16.2	17.0	126	91	104	44	38	42	480	336	395	440	376	407	
128464	B	7/16/47	7/12/47	42-1b.	3	43.1	15.5	13.5	14.7	119	83	101	42	36	40	416	336	375	432	344	395	
128465	B	7/17/47	7/13/47	42-1b.	1	42.8	17.3	15.4	16.5	128	91	106	41	33	37	416	328	361	472	352	404	
128466	B	7/17/47	7/14/47	42-1b.	3	42.1	16.4	15.0	15.7	118	86	106	39	33	37	472	368	390	456	352	397	
				Composite Average		43.2	17.5	13.5	16.0	128	83	104	44	33	39	480	328	380	472	344	401	
128440	C	7/11/47	6/23/47	42-1b.		43.2	14.9	13.0	14.0	121	72	98	45	40	42	440	328	379	480	368	424	
128449	C	7/14/47		42-1b.		42.2	14.9	14.0	14.4	125	91	107	44	38	41	376	328	351	496	408	447	
128478	C	7/18/47		42-1b.		41.6	15.0	12.8	13.9	121	88	103	37	34	36	384	312	345	464	344	409	
				Composite Average		42.3	15.0	12.8	14.1	125	72	102	45	34	40	440	312	358	496	344	427	
128454	D	7/15/47	7/11/47	42-1b.	4	43.3	17.0	15.0	16.2	115	83	100	43	33	40	448	328	384	480	384	419	

E -- No samples received.

F -- No samples received.

SUMMARY OF INDIVIDUAL TEST LOTS--JUNE 30 THROUGH JULY 21--continued

File No.	Code No.	Date Recd.	Date Made	Grade	Mch. No.	Basis Weight lb.	Caliper, pt.			Bursting Strength, pt.			G. E. Puncture, units			Elmendorf Tear, g./sheet					
							Max.	Min.	Av.	Max.	Min.	Av.	Max.	Min.	Av.	In Direction	Across Direction				
128437	G	7/9/47	6/23/47*	42-1b.		42.9	17.0	15.1	16.0	115	71	91	42	36	40	440	328	374	424	368	389
128462	G	7/16/47	7/12/47	42-1b.		42.7	17.5	16.0	17.1	111	71	97	44	39	42	448	328	374	456	360	401
128483	G	7/19/47		42-1b.		43.2	17.0	15.0	16.1	117	74	96	43	36	41	424	392	407	512	384	433
Composite Average						42.9	17.5	15.0	16.4	117	71	95	44	36	41	448	328	385	512	360	408
128479	H	7/18/47	7/9/47	42-1b.	2	44.0	16.9	15.0	16.1	121	90	106	45	38	42	544	384	469	528	400	466
I — No samples received.																					
128432	J	7/7/47	6/30/47	42-1b.		42.8	16.4	14.3	15.2	132	90	111	39	35	36	384	312	348	416	368	400
128441	J	7/12/47	7/7/47	42-1b.		40.5	15.1	13.9	14.5	122	87	108	38	32	36	456	312	372	443	352	388
Composite Average						41.7	16.4	13.9	14.8	132	87	109	39	32	36	456	312	360	443	352	394

* These samples were selected from rolls in the warehouse.

SUMMARY OF COMPOSITE MILL AVERAGES--JUNE 30 THROUGH JULY 31

Code No.	Basis Weight, lb.	Caliper, pt.			Bursting Strength, pt.			G. E. Puncture, units			Elmendorf Tear, g./sheet					
		Max.	Min.	Av.	Max.	Min.	Av.	Max.	Min.	Av.	In Direction			Across Direction		
											Max.	Min.	Av.	Max.	Min.	Av.
A	43.1	16.0	14.8	15.5	123	78	102	42	38	40	440	352	385	496	384	443
B	43.2	17.5	13.5	16.0	128	83	104	44	33	39	480	328	380	472	344	407
C	42.3	15.0	12.8	14.1	125	72	102	45	34	40	440	312	358	496	344	427
D	43.3	17.0	15.0	16.2	115	83	100	43	33	40	448	328	384	480	384	419
E	No samples received.															
F	No samples received.															
G	42.9	17.5	15.0	16.4	117	71	95	44	36	41	448	328	385	512	360	405
H	44.0	16.9	15.0	16.1	121	90	106	45	38	42	544	384	468	528	400	466
I	No samples received.															
J	41.7	16.4	13.9	14.8	132	87	109	39	32	36	456	312	360	448	352	394
Composite Mill Average	42.9	17.5	12.8	15.6	132	71	103	45	32	40	544	312	389	528	344	422