

S.V. 243, 244, 246, 247, 262

C.V.

D.V.

CG 03 CODE KY-788-D PKG.

→ NOV 12 32708

EST. WGT. 1648 / 448 LBS.

STD. HRS. TIME 5: P M

14 YC-3-B 93 4 Lot 23883 600 #

14 YC-3-B 93 4 Lot 23870 4035 #

14 YC-3-B 93 4 Lot 6048

Total Wgt. 6248# (REQ) (2)

PROCESSES		APPROVED BY	
()	KY-788-D ()	()	EWK 10/19/77
()	Alternate ()	()	DCG 10/28/77
()	()	()	MTW 10/26/77
()	()	()	()
TYPED BY			
JIC 11/2/77			

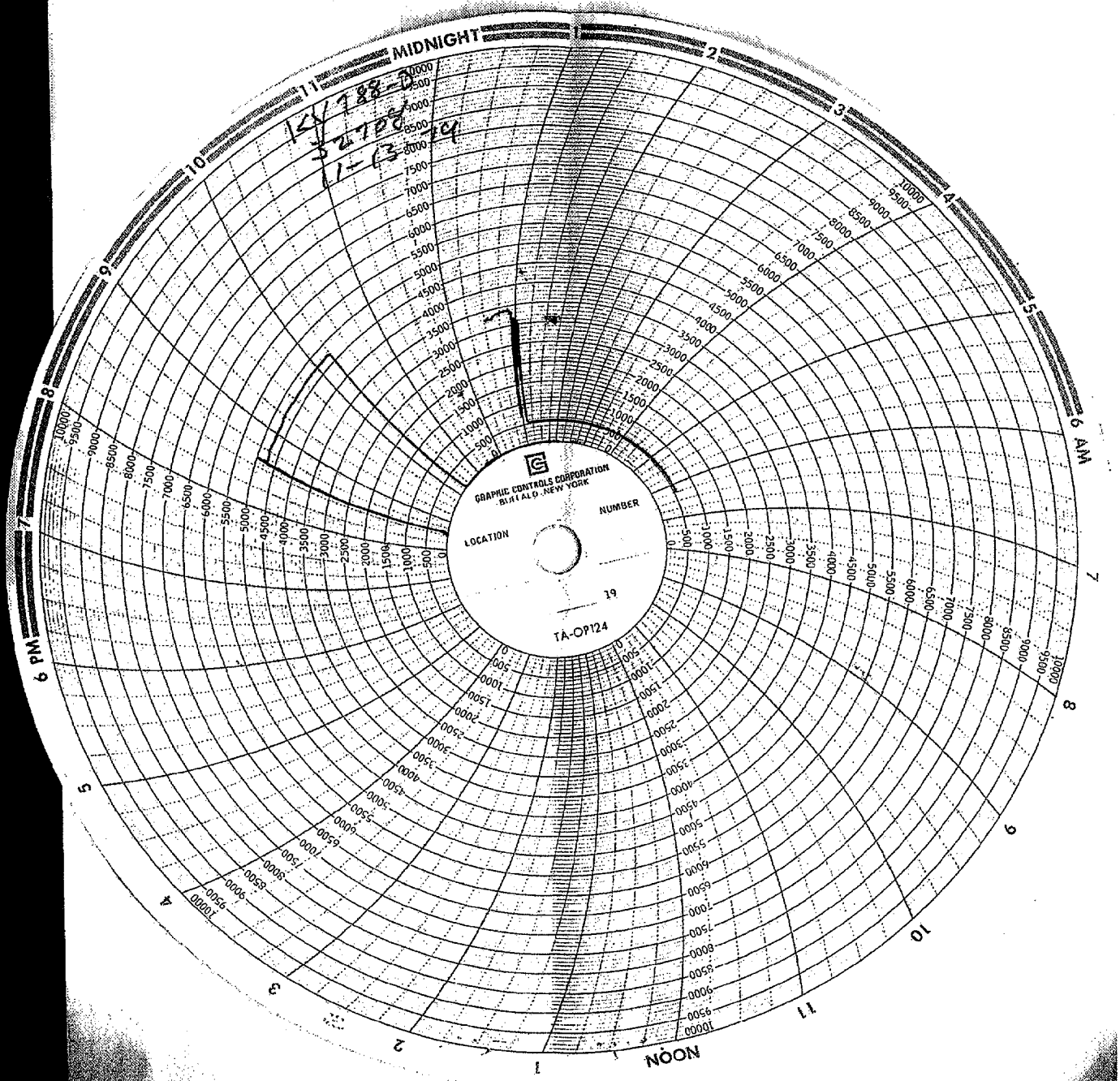
NON-BLEEDING

EQUIPMENT	NAME:	USE LBS.	N CODE	ACCT. LBS.
203	60" (1360 G) KROTOR® Yellow - Light			
8	1 Run 39" (645 G) water into V-203			
205	2 Weigh in drum & pour in	610	32-D	610
1	3 Dump in & stir 5 min LOT	92 x 50	YC-3-B	4600
	Record: Start 8:35 PM 23883	23883		600
	Fin 10:13 PM 23870	23870		4035
	80" (1360 G)			
	4 Adj to 75" (1275 G) 2400-2600			
	5 Pump V-203 thru Homog at 1800-2200 psi into V-205			
	6 When V-203 MTY, wash color thru Homog at 1800-2200 psi using minimum water			
	7 Record: V-205 Vol 54 " & adj to 60" (2100 G)			
	8 Inspect Homog strainer & clean if necessary			
SV	9 Run 20" (200 G) into V-205 install temp chart & start agitator			
205	10 Pump V-205 thru Homog at 4800-5200 psi into SV			
2	Record: Time Start 9:35A Total Min 110			
	Note: If homog pressure falls below 4800 psi, 3-way valve will recirculate slurry to V-205			
	11 When V-205 MTY, run in 5" (240 G) water & pump thru Homog at 4800-5200 psi			
349	12 While Homog, run 6" (284 G) water into V-349			
8	13 Run ± 1000# water into V-384 & heat to 110-120°F			
384	14 Weigh into V-384 & pump to V-349	2150	32-D	2150
3	15 Run ± 1000# water into V-384 & pump to V-349			
	16 Adj V-349 to 20" (946 G) & stir 15 min or longer			
	17 Record: Be 1.078 (10.8 ± 0.2) (1.077-1.080)			
SV	18 When S 11 Homog complete, adj SV to 25" (2420 G)			
4	19 Record: pH 10.1 & adj to 11.0-11.2 using N-7-D diluted to 5% (10 parts water to 1 part N-7-D Assume 50% Siphon into SV & Record: pH 11.1	44	7-D	22
	20 Heat to 190-194°F in 35-45 min (V-262) or in 55-65 min (V-243, 244, 246, 247)			
	Record: HT OF & Rec OF			
	Note: Strike must be started immediately on completion of heating			
343	21 While heating SV, run 45" (1237 G) water into V-343	33.7		
8	22 Meter in from V-386 M 75 9.434/Gal 31.7 Gal		27-D	318
386	23 Stir 15 min or longer			
5	24 Record: Be 10.0 (2.5 ± 0.1) (1.015-1.016)			

EQUIPMENT	PAGE 2	CG 20	CODE KY-788-D	EST. WGT. 6248	LBS.	USE LBS.	N CODE	ACCT. LBS.
SV 6	25	When S 20 heating complete. Record: pH <u>9.7</u> (9.5-10.1)						
	26	Set V-343 acid pump at 64 setting ($\pm$ 225 min)						
	27	Set V-349 silicate pump at 57 setting ($\pm$ 180 min)						
	28	Immediately meter in V-343 & V-349. Maintain SV at 190-194°F during strike						
	29	Record: START FIN MIN						
		V-343 <u>3:15</u> <u>2:00 PM</u> <u>2:15</u>						
		V-349 <u>3 PM</u> <u>6:15 PM</u> <u>1:80</u>						
		Record:	Time	V-343	V-349	SV	Normal	
				in	in	pH	pH	
		at 20 min	<u>3:35 PM</u>	(42) <u>41</u>	(18) <u>18</u>	<u>9.6</u>	9.3-10.0	
		40 min	<u>3:55 PM</u>	(38) <u>38</u>	(15) <u>15</u>	<u>9.6</u>	9.3-10.0	
		1 hr	<u>4:15 PM</u>	(34) <u>33</u>	(13) <u>13 1/2</u>	<u>9.6</u>	9.3-10.0	
		2 hrs	<u>4:35 PM</u>	(22)	(6) <u>6</u>	<u>9.6</u>	9.3-10.0	
		3 hrs	<u>6:15 PM</u>	(11) <u>11</u>	(0) <u>0</u>	<u>9.6</u>	9.3-10.0	
		Finish	<u>7:00 PM</u>	(0)	(0)	<u>9.2</u>	7.5-8.5	
		Note: (1) If pH not as specified, notify Supervisor & note in log						
		(2) If final pH is above 8.5, adj pH to 7.5-8.5 & Record: pH Assume 78%						
							27-D	
330	30	Run 20" (392 G) water into V-330 & heat to 160-170°F						
	31	Add in 12-13 min						
	32	Stir 5 min & Record: pH <u>10.1</u> (9.5-10.5)						
	33	Stir 20 min or longer to dissolve for S 46						
357	34	Run 29" (210 G) water into V-357 & heat to 135-140°F						
8	35	Dump in & stir to dissolve for S 42						
						415	15-A	415
302	36	Run 33" (403 G) water into V-302						
9	37	Add & stir 2 min for S 44 Assume 50%						
						400	7-D	200
SV 10	38	When V-349 MTY, rinse in with minimum water then set pump at zero setting						
	39	When V-343 MTY, rinse in with minimum water then turn off pump motor						
	40	Turn off steam						
	41	Sift in 4 bags						
	42	Run in V-357 from S 35 & stir 5 min						
	43	Record: pH <u>3.5</u> (3.7-4.2)						
	44	Run in N-7-D from S 37 in 10-12 min & stir 5 min						
	45	Record: pH <u>9.3</u> (9.0-9.5) & if necessary, adj to pH 9.0-9.5 & Record: pH Assume 78%						
		Dilute 10 parts water to 1 part N-7-D Assume 50%						
		Siphon N-7-D into SV						
	46	Run in V-330 thru 20 mesh screen & stir 20 min						
313	47	Run 15" (222 G) water into V-313 & dump in						
11	48	Stir 5 min to dissolve for S 49						
						230	20-A	230
SV 12	49	Run V-313 into SV in 15-20 min						
	50	Stir 15 min						
	51	Record: pH <u>9.8</u> (9.0-10.0)						
	52	Stop agitator <u>Do not stop V-343</u>						
		START FIN OPR						
		<u>3:00 PM</u> <u>3 PM</u> <u>10:1-120</u>						
		Step	V-262 (20 RPM)	V-243, 244, 246, 247				
		9	2"	4"				
		18	24"	47"				

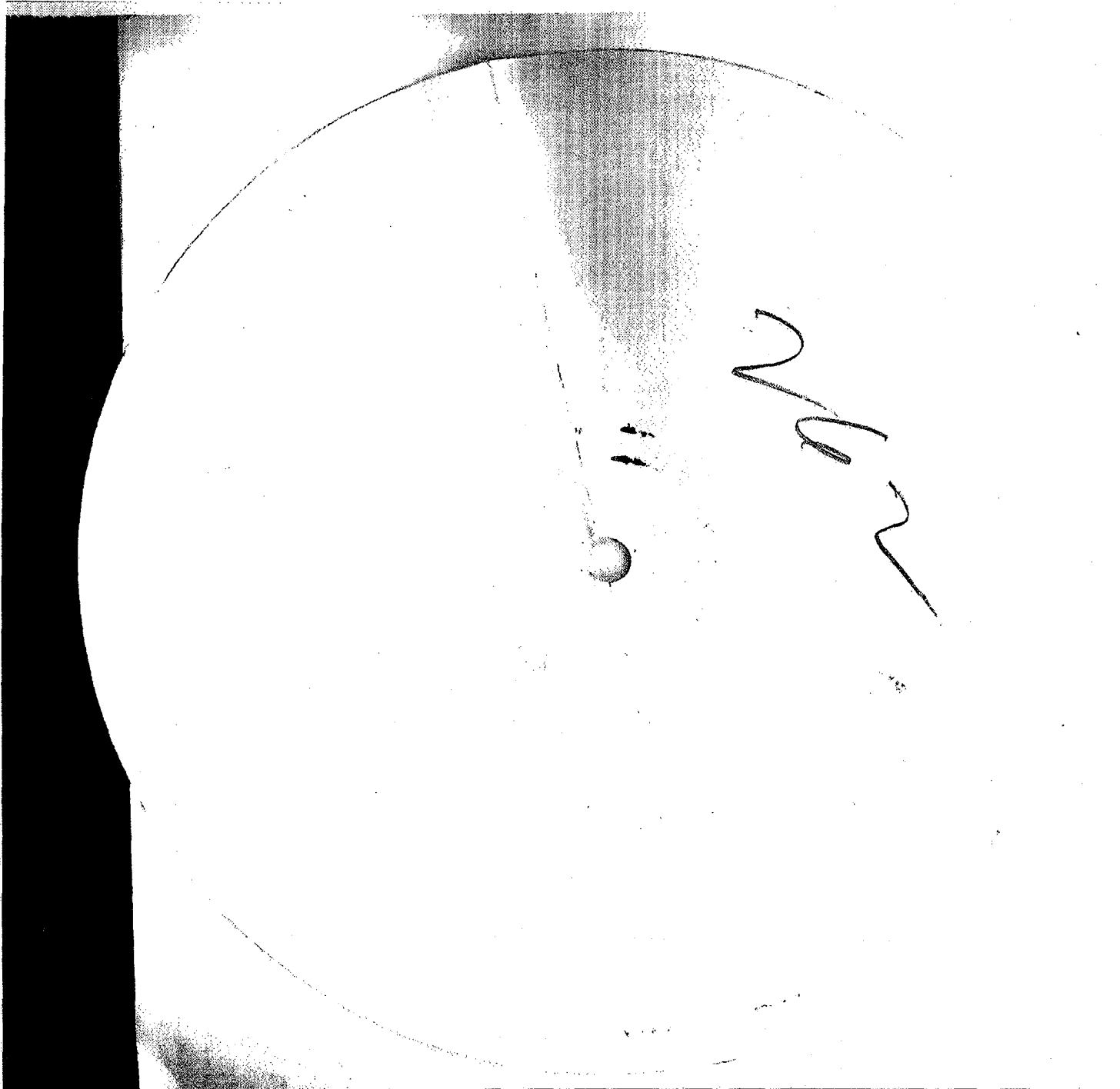
K 13830 REV.

DUP050457069



N32206.01

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