MAKING INSTRUCTIONS: BATCH UNIT

.V. ~~243, 244, 246, 247~~, 262 C.V. D.Y.

CG 03 CODE KY-788-D PKG. _____

→ MAR 10 34808

EST. WGT. ~~960~~ 860 LBS.

STD. HRS. 11.2 TIME 7 P M

14 YC-3-B 93 4 Lot 24402, 2000#
14 YC-3-B 93 4 Lot 24403, 600#
14 YC-3-B 93 4 Lot _____, _____#

PROCESSES		APPROVED BY
( ) KY-788-D	(K)	
( ) ALTERNATE	( )	
( )	( )	EWK 9/22/76
( )	( )	DCG 9/27/76
TYPED BY		MTW 9/30/76
NE 2/24/77		

ok
KP

PUNCHED & CHECKED
MAR 13 1980

1700 # 3 - 1st Pass
11° # 4 - 2nd "

Total Wgt. ~~3560#~~ 3460

NON-BLEEDING

EQUIPMENT		NAME: "KROLOR" YELLOW - LIGHT	USE LBS.	N CODE	ACCT. LBS.
203 & 205 1	1	Run ~~[illegible]~~ 60" (~~[illegible]~~ 992 G) water into V-203 RUN AGITATOR ON HIGH SPEED.			
	2	Weigh in drum & pour in	345	32-D	345
	3	Dump in & stir 5 min Lot	52 x 50	YC-3-B	2600
		Record: start 4:10 pm 24402	2000		
		Fin 5:05 pm 24403	600		
		75" (1275 G)			
	4	Adj to ~~70" (1200 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 49 " & adj to 60" (2100 G)			
	8	Inspect Homog strainer & clean if necessary			
		DURING HOMOG, RUN V-203 AGITATOR ON LOW SPEED.			
SV & 205 2	9	Run 1 "(514 G) into V-262 install temp chart & start agitator			
	10	Pump V-205 thru Homog at 4800-5200 psi into SV 262			
		Record: Time Start 10:25 M Total Min 115			
		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 & 384 3	12	While Homog, run 6" (284 G) water into V-349			
	13	Run ± 1000# water into V-384 & heat to 110-120 °F			
	14	Weigh into V-384 & pump to V-349	1215	32-D	1215
	15	Run ± 1000# water into V-384 & pump to V-349			
	16	Adj V-349 to 14" (662 G) & Stir 15 min or longer			
	17	Record: ~~Be~~ 1061 ~~(8.95 ± 0.2)~~ (1.063-1.066) g/mL			
SV 4	18	When S 11 Homog complete, adj SV to 24 " (2420 G)			
	19	Record: pH 10.0 & adj to 11.0-11.2 using N-7-D diluted to 5% (10 parts water to 1 part N-7-D) Assume 50%	30	7-D	15
		Siphon into SV & Record: pH 11.2			
	20	Heat to 190-194F in 55-65 min & Record: HT 192 & Rec 184			
		Note: Strike must be started immediately on completion of heating			
343 & 386 5	21	While heating SV, run 31" (850 G) water into V-343			
	22	Meter in from V-386 M 22, 9.18 #/Gal 19.6 Gal		27-D	180
	23	Stir 15 min or longer			
	24	Record: ~~Be~~ 1.014 ~~(2.35±0.1)~~ (1.014-1.016) g/mL			

N 27552

V-262

EQUIPMENT		PAGE 2 CG 03 CODE KY-788-D EST. WGT. 3560 LBS.	USE LBS.	N CODE	ACCT. LBS.
SV 6	25	When S 20 heating complete Record: pH 9.7 (9.5-10.0)			
	26	Set V-343 acid pump at 56 setting (±180 min)			
	27	Set V-349 silicate pump at 49 setting (±145 min)			
	28	Immediately meter in V-343 & V-349. Maintain SV at 190-194F during strike			
SV	29	Record: Start / Finish / Minutes V-343 4:00 AM / 7:10 AM / 190 V-349 4:00 AM / 6:30 AM / 150			
		Record: Time | V-343 in | V-349 in | SV pH | Normal pH 4:00 at 20 min 4:20 (28) 2.9 (12) + 9.5 9.3-10.0 40 min 4:40 (24) 2.5+ (10) + 9.5 9.3-10.0 1 hr 5:00 (21) 2 (8) + 9.5 9.3-10.0 2 hrs 6:00 (10) 1/2 - (3) + 9.45 9.3-10.0 Finish 7:00 (0) 1/2 (0) - 2.6 7.5-8.5			
		Note: If pH drops below 9.0 in 1st hr, stop pumps & see Supv If final pH is above 8.5 adj to 7.5-8.5 & Record: pH ____ Assume 77%		27-D	
330 7	30	Run 20" (392 G) water into V-330 & heat to 80-100 °F			
	31	Add in 7-8 min	350	530-A	350
	32	Stir 5 min & Record: pH 10.2 (9.5-10.5)			
	33	Stir 20 min or longer to dissolve for S 46			
357 8	34	Run 29" (210 G) water into V-357 & heat to 135-140°F			
	35	Dump in & stir to dissolve for S 42	415	15-A	415
302 9	36	Run 30" (360 G) water into V-302			
	37	Add & stir 2 min for S 44 Assume 50%	360	7-D	180
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 2 bags	~~100~~	~~128-A~~	~~100~~
	42	Run in V-357 from S 35 & stir 5 min			
	43	Record: pH 3.8 (3.7-4.2)			
	44	Run in N-7-D from S 37 in 10-12 min & stir 5 min			
	45	Record: pH 9.2 (9.0-9.5) & if necessary adj to pH 9.0-9.5 & Record: pH ____ Assume 77%		27-D	
		Dilute 10 parts water to 1 part N-7-D Assume 50% Siphon N-7-D into SV		7-D	
	46	Run in V-330 thru 20 mesh screen & stir 20 min			
313 11	47	Run 10" (128 G) water into V-313 & dump in	135	20-A	135
	48	Stir 5 min to dissolve for S 49			
SV 12	49	Run V-313 into SV in 15-20 min			
	50	Stir 15 min			
	51	Record: pH 9.1 (9.0-10.0)			
	52	Stop agitator Do not			
		START 2P 11:00P 7:00 AM. FINISH 11P 7:00 AM. OPTR 20-3 235-301 223-409			
		Step | V-262 (20 RPM) | V-243, 244, 246, 247 9 | 5" | 10" 18 | 24" | 47"			

K 13830 REV.

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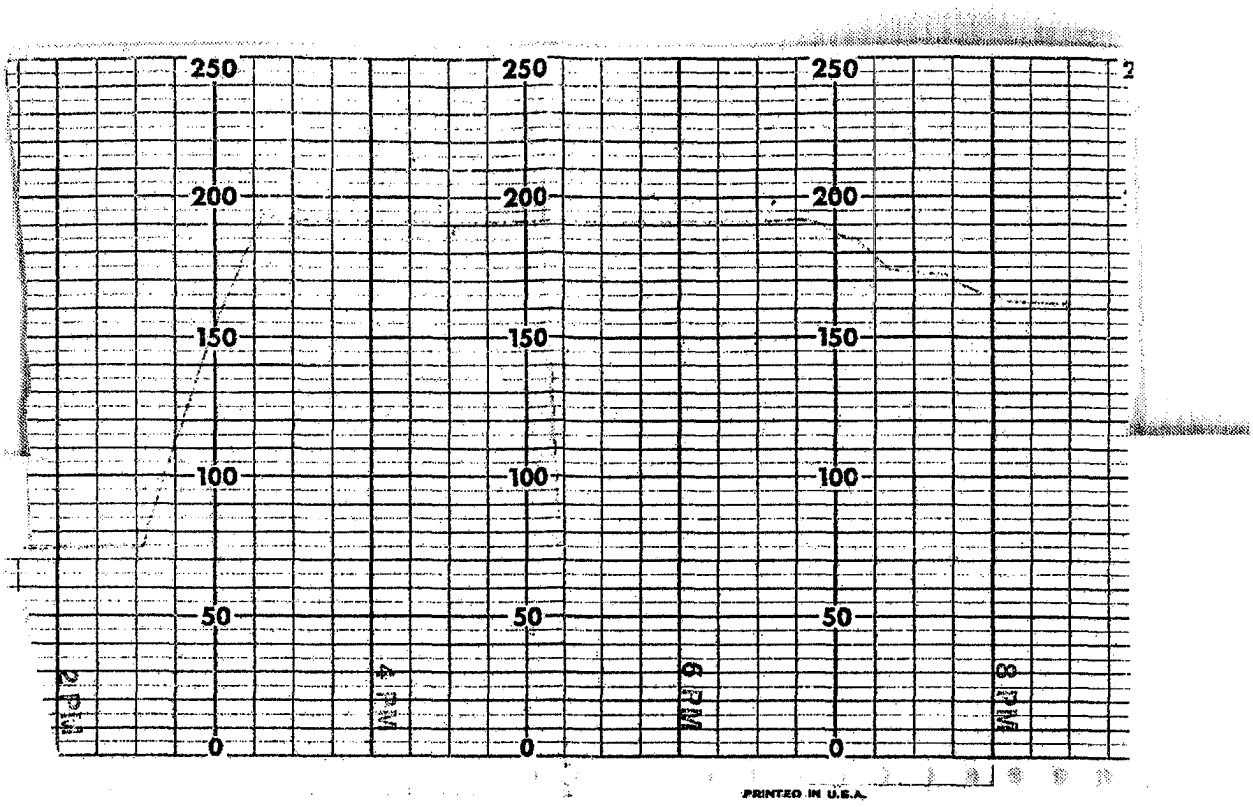
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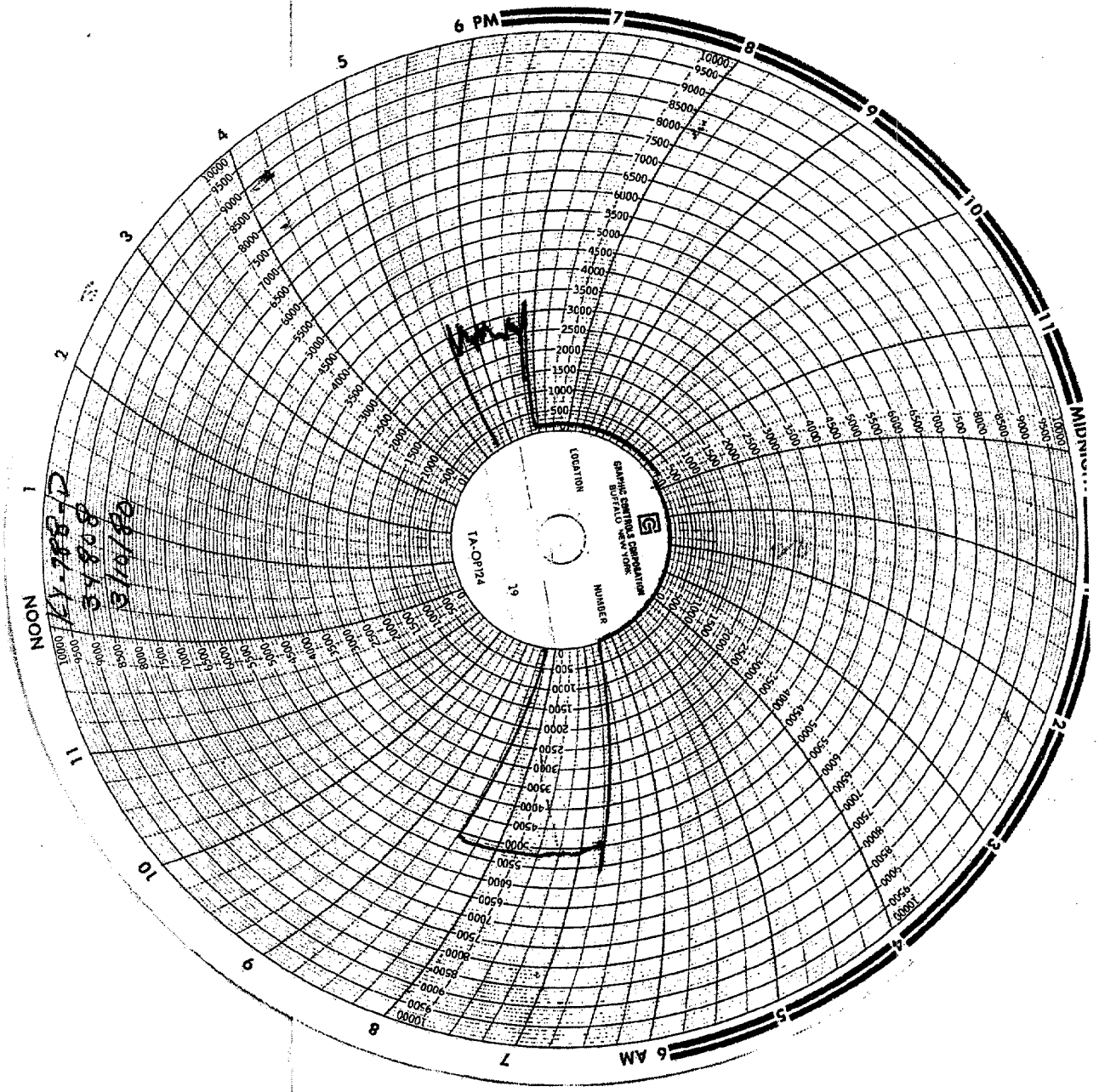

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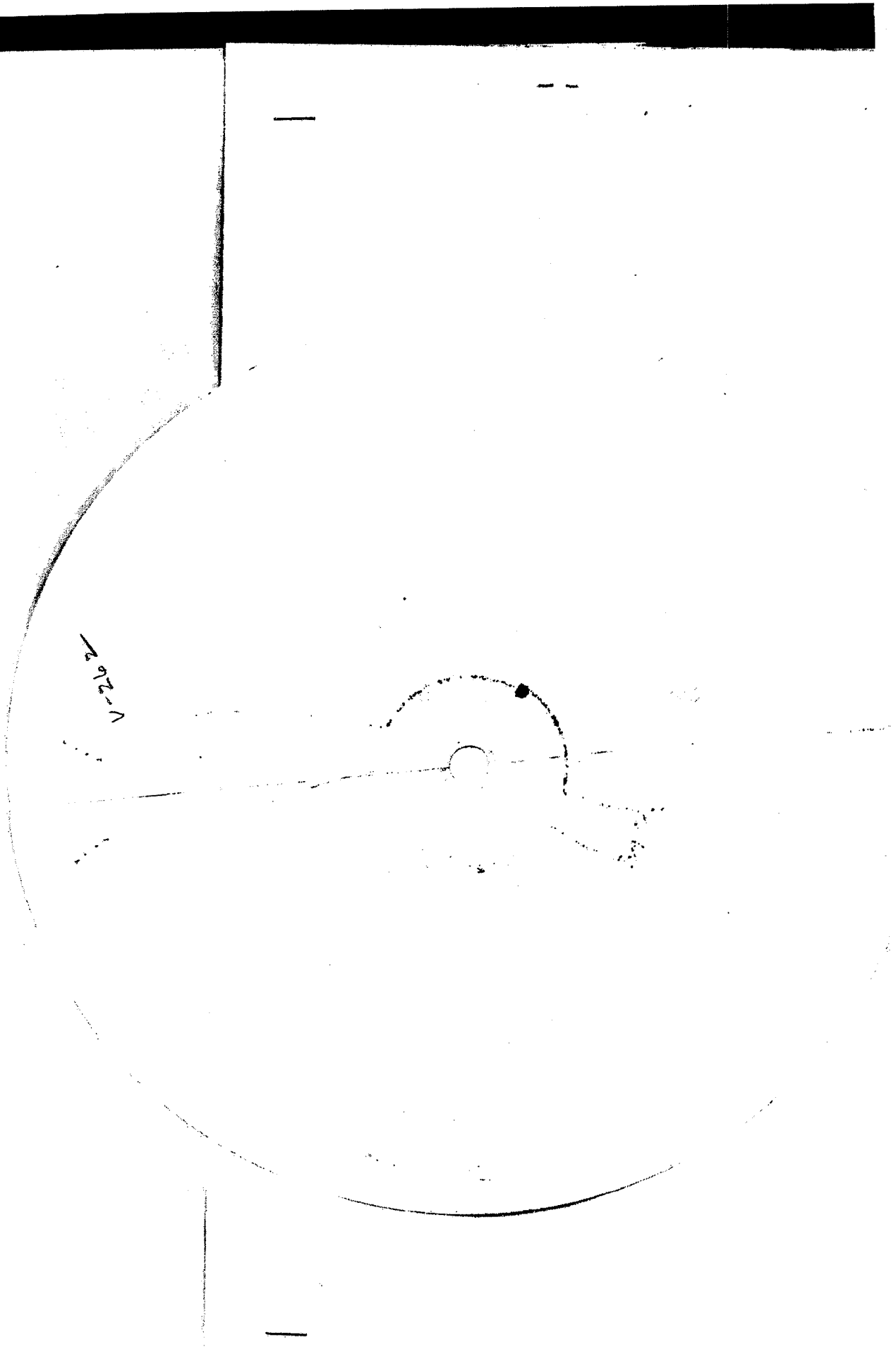

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