MAKING INSTRUCTIONS: BATCH UNIT

S.V. 243, 244, 246, 247 (262) C.V. D.V.

CG 03 CODE KY-907-D PKG. _____

→ FEB-25 34237

EST. WGT. 1080 LBS.

STD. HRS. _____ TIME 5 P M

PROCESSES		APPROVED BY
( ) KY-907-D	(E)	EWK 12/12/77
( ) Alternate	( )	DCG 12/14/77
( )	( )	
( )	( )	
TYPED BY		
rj 3/1/78		

14 YC-2-B 93 4 Lot 24076 2000#
14 YC-2-B 93 4 Lot 24478, 200#
14 YC-2-B 93 4 Lot 24482, 200#

Total Wgt. 3480# (Req. _____)

NON-BLEEDING

QUIPMENT		NAME: KROLOR® YELLOW - MEDIUM	USE LBS.	N CODE	ACCT. LBS.
	60" (990G)				
203 & 205 1	1	Run ~~33" (560 G)~~ water into V-203			
	2	Pour in	320	32-D	320
	3	Dump in Lot	48 x 50	YC-2-B	2400
V-263		Record: Start 11:47 AM 24076	2000		
		Fin 16:30 PM 24478	200		
		80" (1360G) 24482	200		
	4	Adj to ~~70" (1200 G)~~ 2400-2600			
	5	Pump V-203 thru Homog #3 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)			
V-263	8	Inspect Homog strainer & clean if necessary			
SV & 205 2	9	Run ~~10"~~ 5" V-262 (514 G) water into V-262 Install Temp chart & start agitator			
	10	Pump V-205 thru Homog at 4800-5200 psi into SV 262			
		Record: Time Start 315 Total Min 140			
		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	1840	32-D	1840
	15	Run ±1000# water into V-384 & pump to V-349			
	16	Adj V-349 to 17" (805 G) & stir 15 min or longer			
	17	Record: °Be' 1081 ~~(11.0±0.2)~~ 1.079-1.082 g/mL			
SV 4	18	When S 11 Homog complete, adj SV to ~~48"~~ 24" V-262 (2470 G)			
	19	Record: ph 10.4 & adj to 11.1-11.3 using N-7-D diluted to 5% (10 parts water to 1 part N-7-D) Assume 50%	24	7-D	12
		Siphon into SV & Record: pH 11.2			
	20	Heat to 190-194°F in 55-65 min & Record: HT ___°F & Rec ___°F			
		Note: Strike must be started immediately on completion of heating			
343 & 386 5	21	While heating SV, run 39" (1070 G) water into V-343			
	22	Meter in from V-386 M 15,220 #/Gal 27.7 Gal		27-D	275
	23	Stir 15 min or longer			
	24	Record: °Be' 1018 ~~(2.8±0.1)~~ 1.017-1.019 g/mL			

N 263

EQUIPMENT		PAGE 2 CG 03 CODE ky-907-D (E) EST. WGT. 3480 LBS.	USE LBS.	N CODE	ACCT LBS.
SV 6	25	When S 20 heating complete Record; pH 9.8 (9.5-10.0)			
	26	Set V-343 acid pump at 82 setting (±150min)			
	27	Set V-349 silicate pump at 72 setting (- 120min)			
	28	Immediately meter in V-343&349, Maintain SV at 190-194°F during strike			
	29	Record: Start / Finish / Minutes V-343 7:30 / 10:20 / 170 V-349 7 PM / 9:35 / 125			

Record:	Time	V-343 Inches	V-349 Inches	SV pH	Normal pH
at 20 min	7:50	(35)	(14)	9.8	9.3-10.0
40 min	8:10	(30)	(11)	9.8	9.3-10.0
1 hrs	8:30	(24)	(9)	9.8	9.3-10.0
2 hrs	9:30	(8)	(0)	9.8	9.3-10.0
Finish	10:15	(0)	(0)	8.4	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 to 7.5-8.5 & Record: pH = Assume 78%		27-D	
	30	Sift in	50	128-A	50
357 7	31	Run 11" (80 G) water into V-357 & heat to 135-140°F			
	32	Dump in & stir to dissolve for S 60	160	15-A	160
302 8	33	Run 17" (208 G) water into V-302			
	34	Add & stir 2 min for S 62 Assume 50%	~~3480~~	7-D	~~40~~ 56
PT 9	35	During strike pump into PT	318	169-A	318
	36	Pump in	36	155-A	36
	37	Pump in	36	160-A	36
	38	Stir 10 min with lightning mixer for S 42			
356 10	39	During Strike, Run ~~20"~~ 14" (244G) water into V-356			
	40	Turn on steam			
	41	Adj to ~~26"~~ 8" (317G) at ~~178-182°F~~ 81-82°C			
	42	Pump PT mixture from S38 thru undersurface Distributor AFAP			
	43	Rinse PT with hot water from hot water mixer & pump in			
	44	Shut off pump 81-82°C			
	45	Stir 30 min at ~~178-182°F~~ for S 54			
	46	Do not shut off agitator			
SV 11	47	When V-349 MTY, rinse in with minimum water then set pump to zero setting			
	48	When V-343 MTY, rinse in with minimum water then turn off pump motor			
	49	Heat to 198-200 °F in 5-10 min			
	50	Close water line & discarge valves at stearate pump			
	51	Open V-356 discharge valves to stearate pump inlet			
	52	Open water valve at stearate pump & run water thru Homog at 2900-3100 PSI to sewer			
	53	While Homog water at 2900-3100PSI, open Homog Discharge valve to SV & close valve to sewer			
	54	Immediately open stearate pump discharge valve turn on pump & Homog V-356 to SV at 2800-3100 PSI Maintain SV at 198-200°F			
	55	While Homog V-356 to SV, shut off water valve at stearate pump ASAP			

EQUIPMENT		PAGE 3 CG 03 CODE KY-907-D (E) EST. WGT. 3480 LBS.	USE LBS.	N CODE	ACCT. LBS.
SV · 11 Con't	56	When Homog complete, Rince in V356 with hot water From hot water mixer			
	57	When S56 complete, turn off Homog & stearate pump			
	58	Stir 5 min at 198-200°F			
	59	Shut off steam			
	60	Run in V-357 from S32 and stir 5 min			
		Record: pH 3.4 (3.3-3.7)			
	61	If necessary, adj pH to 3.3-3.7 (Downward only) and Record: pH		15-A	
	62	Run in N-7-D from S34 in 4-6 min and stir 5 min			
	63	Record: pH 4.3 (4.2-4.4) and if necessary, adj to pH 4.2-4.4 & Record: pH Assume 78%		27-D	
		(Dilute 10 parts water to 1 part N-7-D Assume 50%		7-D	
		Siphon N-7-D into SV			
	64	Do not stop agitator			
		Boilout V-243	4000	721-D	4000
		START FIN OPTR			
		3.00 PM 11.00 PM 145-144			
		11 PM 7 AM 282-438			
		2 AM 2:30 P.M. 126-101			

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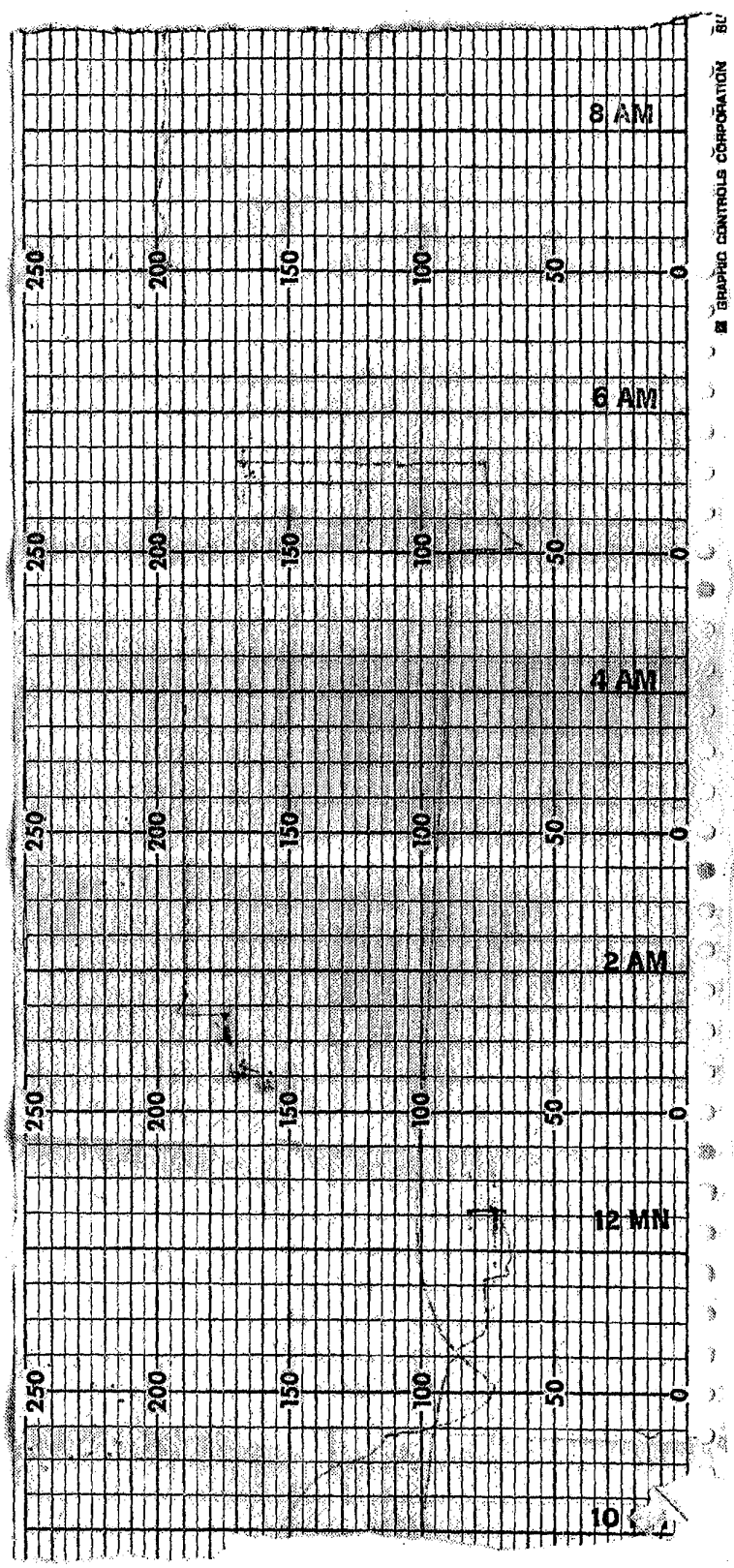

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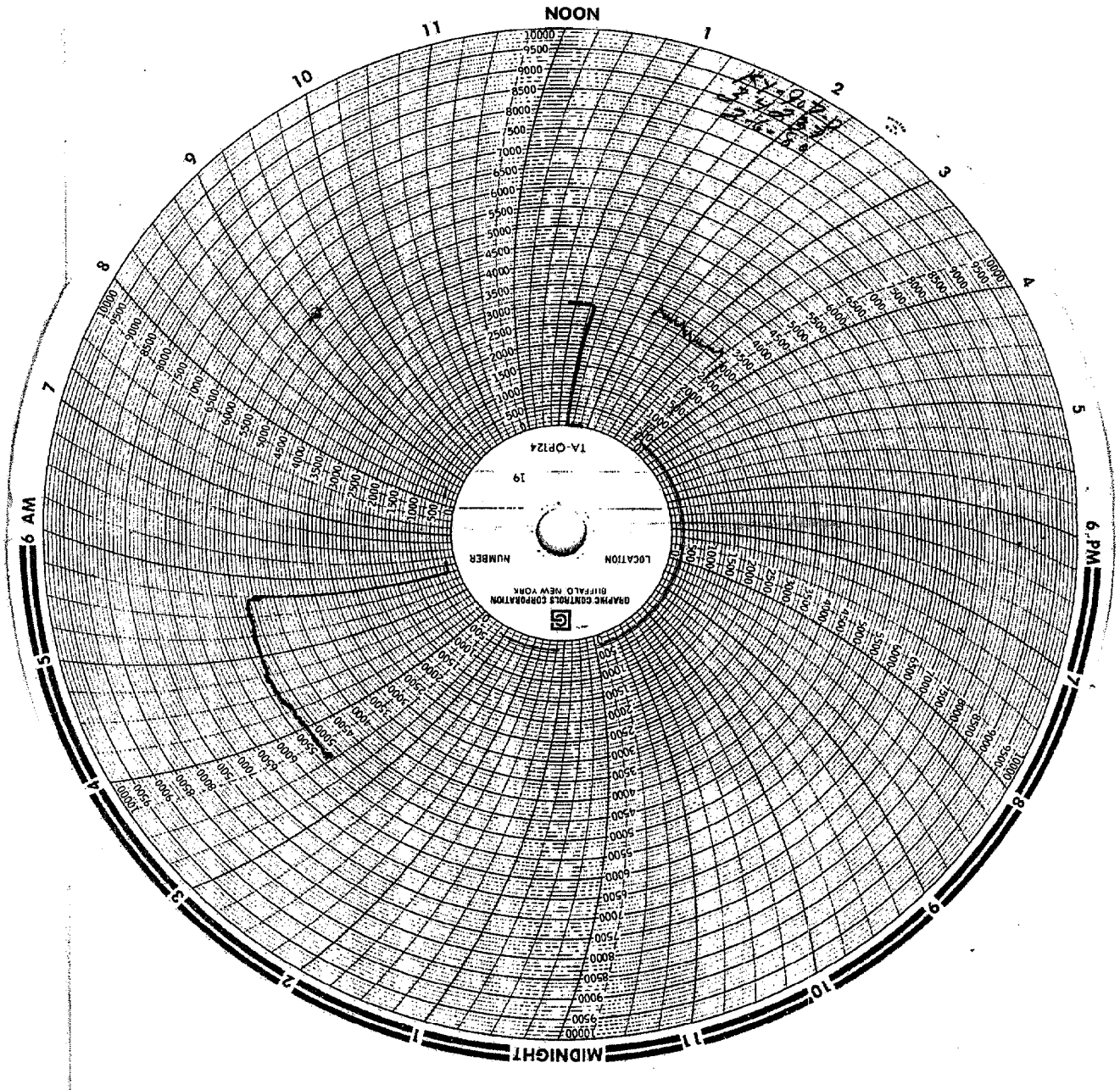

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