MAKING INSTRUCTIONS: BATCH UNIT

262 C.V. D.V.

CG 03 CODE KY-908-D PKG. _____

→ JAN 18 33859

EST. WGT. 1603 LBS.

STD. HRS. _____ TIME 5P M

YC-3-B

PROCESSES		APPROVED BY
) KY-908-D	(F)	EWK 12/12/77
) Alternate	( )	DCG 12/14/77
)	( )	MW 12/19/77
)	( )	
TYPED BY		
rj 2/6/78		

14 YC-3-B 93 4 Lot 24408 4600#
14 YC-3-B 93 4 Lot _____, _____#
14 YC-3-B 93 4 Lot _____, _____#

TOTAL WGT. 6203

OK KP

NON-BLEEDING

PMENT		NAME: KROLOR® YELLOW - LIGHT	USE LBS.	N CODE	ACCT. LBS.
		~~60" (990 G)~~			
03	1	Run ~~23"~~ (380 G) water into V-203			
&	2	Pour in	610	32-D	610
05	3	Dump in Lot	92 x 50	YC-3-B	4600
1		Record: Start 6.45 AM			
		Fin 9.50 AM. 24408			
		~~80" (1360 G)~~			
75"(1275G)	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 42" & adj to 60" (2100 G)			
	8	Inspect Homog strainer & clean if necessary			
V	9	Run 2" (200 G) into V-262 Install temp chart & start agitator			
&					
205	10	Pump V-205 thru Homog at 4800-5200 psi into SV			
2		Record: Time Start 2:20 PM Total Min 150			
		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" (248 G) water into V-349			
&	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' 1.079 ~~(10.8 ± 0.2)~~ 1.077-1.080 g/mL			
V	18	When S 11 Homog complete, adj SV to 25" (2478 G)			
4	19	Record: pH 9.8 & adj to 11.0-11.2 using N-7-D diluted to 5% (10 parts water to 1 part N-7-D) Assume 50%	50	7-D	25
		Siphon into SV & Record: pH 11.1			
	20	Heat to 190-194°F in 35-45 min & Record: HT 192°F & Rec 190°F			
		Note: Strike must be started immediately on completion of heating			
343	21	While heating SV, run 45" (1237 G) water into V-343			
&	22	Meter in from V-386 M 7 . 9.555 #/Gal 32.2 Gal		27-D	318
386	23	Stir 15 min or longer			
5	24	Record: °Be' 1.016 ~~(9.5 ± 0.1)~~ 1.015-1.016 g/mL			

REV.

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IPMENT		PAGE 2 CG 03 CODE KY-908-D (F) EST. WGT. 6203 LBS.	USE LBS.	N CODE	ACCT LBS.
	~~25~~	When S 20 heating complete Record: pH 10.0 (9.5-10.0)			
6	~~26~~	Set V-343 acid pump at 64 setting (+225 min)			
	~~27~~	Set V-349 silicate pump at 57 setting (±180 min)			
	~~28~~	Immediately meter in V-343 & V-349. Maintain SV at 190-194°F during strike			
	~~29~~	Record: Start 6.30A Finish 10:30A Minutes 240			
		V-343			
		V-349 9:40A 190			

Record:	Time	V-343 in	V-349 in	SV pH	Normal pH
at 20 min	6.50 AM	(42)	(18)	9.5	9.3-10.0
40 min	7.10 AM	(38) 40-	(15) 16	9.5	9.3-10.0
1 hr	7.30 AM	(34) 36	(13) +	9.65	9.3-10.0
2 hrs	8.30 AM	(22) 24-	(6) 7	9.7	9.3-10.0
3 hrs	9.30 AM	(11) 12+	(0) 1-	9.7	9.3-10.0
Finish	10:30AM	(0) —	(0)	7.3	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 _____

	~~30~~	Sift in Assume 78%	50	27-D 128-A	50
357	~~31~~	Run 29" (210 G) water into V-357 and heat to 135-140°F			
7	~~32~~	Dump in and stir to dissolve for S60	415	15-A	415
302	~~33~~	Add 24" (294 G) water to V-302			
8	~~34~~	Add and stir 2 min for S63 Assume 50%	100	7-D	50
	~~35~~	During strike pump into PT	570	169 A	570
9	~~36~~	Pump in	64	155-A	64
	~~37~~	Pump in	64	160-A	64
	~~38~~	Stir 10 min with lightning mixer for S42			
		18"			
356	~~39~~	During Strike, Run ~~26"~~ (317G) water into V-356			
10	~~40~~	Turn on steam			
	~~41~~	Adj to ~~33~~" (403 G) at ~~170-182°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~~	Shutoff pump 81-82°C			
	~~45~~	Stir 30 min at ~~170-182°F~~ for S54			
	~~46~~	Do not shutoff Agitator			
	~~47~~	When V-349 MTY. rinse in with minimum water then set pump to zero setting			
11	~~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 & Discharge 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 2900-3100 psi, open Homog Discharge valve to SV & close valve to sewer			

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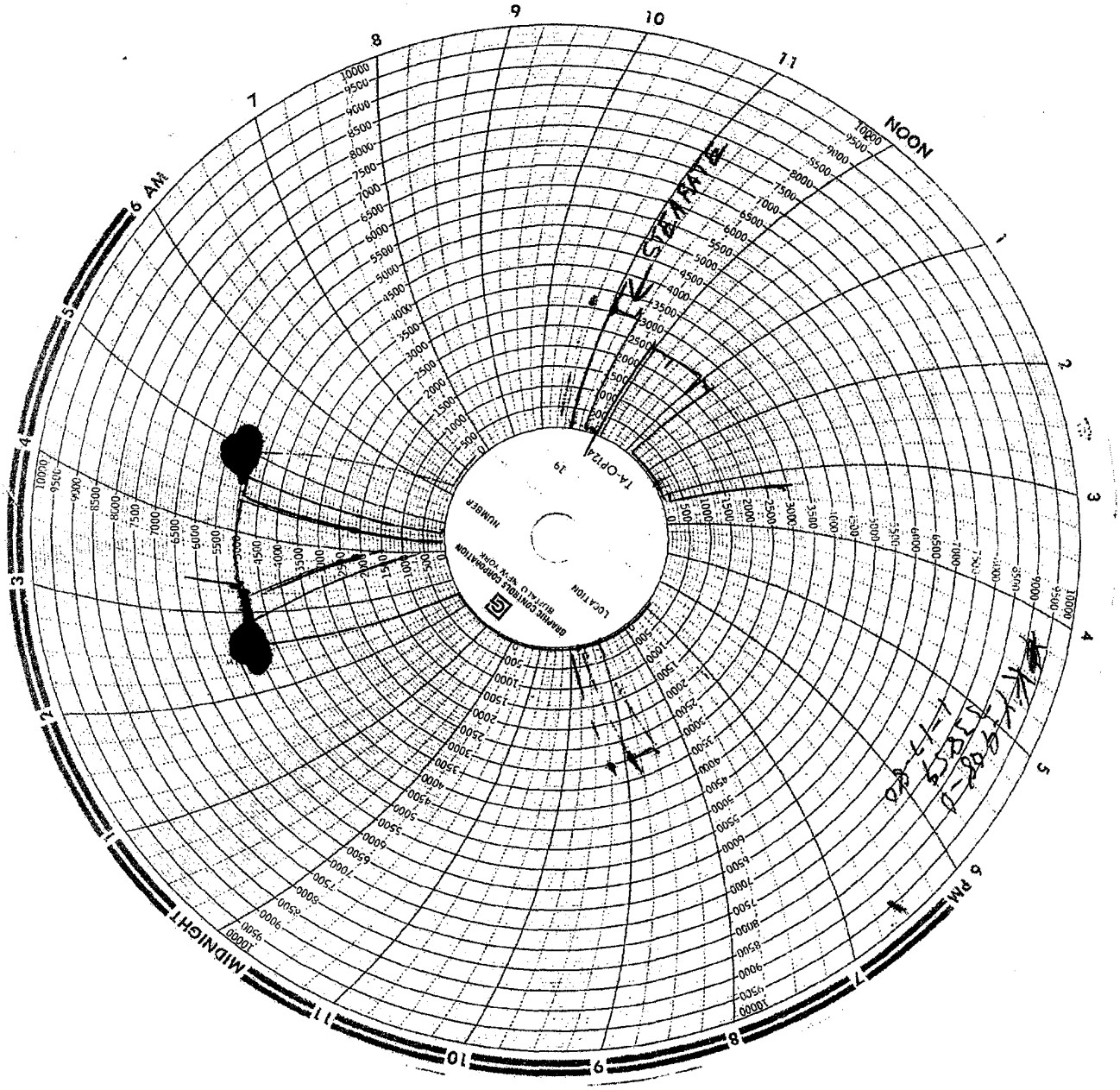
EQUIPMENT		PAGE 3 CG 03 CODE KY-908-D (E) EST. WGT. 3549 LBS.	USE LBS.	N CODE	ACC LB
SV 11 con't	54	Immediately open stearate pump discharge valve, turn on pump & homog V-356 to SV at 2800-3100 psi maintain SV at 198-200°F			
	55	While Homog V-356 to SV, shut off water valve at stearate pump ASAP			
	56	When homog complete, rinse in V-356 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			
	61	Record: pH 3.15 (3.3-3.7)			
	62	If necessary, adj pH to 3.3-3.7 (Downward only) and Record: pH		15-A	
	63	Run in N-7-D from S34 in 4-6 min and stir 5 min			
	64	Record: pH 3.5 (4.2-4.4) and if necessary, adj to pH 4.2-4.4 and Record: pH 4.2 Assume 78%		27-D	
		(Dilute 10 parts water to 1 part N-7-D) Assume 50%	40	7-D	20
		Siphon N-7-D into SV			
	65	Do not stop agitator			
		START: 11:05 PM / 7:00 AM FIN 7:00 AM / 12:20 P OPTR 145-244 / 235		4	



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V-2672

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