

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

C.V. 111000

MAKING INSTRUCTIONS: BATCH UNIT

D.V.

CG 03 CODE KY-788-D PKG.

→ FEB 19 34375

EST. WGT. 960 LBS.

STD. HRS. 11.2 TIME

14 YC-3-B 93 4 Lot 24403, 2000 #
 14 YC-3-B 93 4 Lot 24409, 600 #
 14 YC-3-B 93 4 Lot , #

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

Total Wgt. 3560#

NON-BLEEDING

QUIPMENT	NAME:	USE LBS.	N CODE	ACCT. LBS.
	"KROLOR" YELLOW - LIGHT			
203 & 205	1 Run 3" (300 G) water into V-203			
	2 Weigh in drum & pour in	345	32-D	345
1	3 Dump in & stir 5 min	52 x 50	YC-3-B	2600
	Record: start 4:45 PM Lot 24403	2000		
	Fin 5:35 PM 24409	600		
	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 " & adj to 60" (2100 G)			
	8 Inspect Homog strainer & clean if necessary			
SV & 205	9 Run 2" (514 G) into V-262 install temp chart & start agitator			
2	10 Pump V-205 thru Homog at 4800-5200 psi into SV 262			
	Record: Time Start 1:00 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 & 384	12 While Homog, run 6" (284 G) water into V-349			
3	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 1.065 (8.95 ± 0.2) (1.063 - 1.066)			
SV & 4	18 When S 11 Homog complete, adj SV to 24" (2420 G)			
	19 Record: pH 9.9 & adj to 11.0-11.2 using N-7-D diluted to 5% (10 parts water to 1 part N-7-D) Assume 50%	40	7-D	20
	Siphon into SV & Record: pH 11.0			
	20 Heat to 190-194F in 55-65 min & Record: HT. F & Rec F			
	Note: Strike must be started immediately on completion of heating			
343 & 386	21 While heating SV, run 31" (850 G) water into V-343			
5	22 Meter in from V-386 M 18 9.826 #/Gal 18.3 Gal		27-D	180
	23 Stir 15 min or longer			
	24 Record: Be 1.015 (2.35 ± 0.1) (1.014 - 1.016)			

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 <u>9.8</u> (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 <u>4:25</u> <u>8:30</u> <u>345</u>						
		V-349 <u>4:10</u> <u>7:20</u> <u>175</u>						
		Record: Time V-343 V-349 SV Normal						
		at 20 min <u>4:15</u> (28) $\checkmark$ (12) $\checkmark$ <u>9.7</u> 9.3-10.0						
		40 min <u>5:05</u> (24) $\checkmark$ (10) $\checkmark$ <u>9.7</u> 9.3-10.0						
		1 hr <u>5:25</u> (21) $\checkmark$ (8) $\checkmark$ <u>9.7</u> 9.3-10.0						
		2 hrs <u>6:25</u> (10) <u>10+</u> (3) $\checkmark$ <u>9.7</u> 9.3-10.0						
		Finish <u>7:10</u> (0) <u>2+</u> (0) <u>8.2</u> 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 $^{\circ}$ F						
	31	Add in 7-8 min				350	530-A	350
	32	Stir 5 min & Record: pH <u>10.3</u> (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 $^{\circ}$ F						
	35	Pump 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 <u>3.2</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>9.5</u> (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%					7-D	
		Siphon N-7-D into SV						
	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 <u>9.5</u> (9.0-10.0)						
	52	Stop agitator <u>do not stop V-368</u>						
		START FINISH OPTR						
		<u>3:00 PM</u> <u>11:00 AM</u> <u>101-120</u>						
		<u>7:00 AM</u> <u>3:00 PM</u> <u>232-403</u>						
		<u>11:00 AM</u> <u>12:20 AM</u> <u>301</u>						
		Step V-262 (20 RPM) V-243, 244, 246, 247						
		9 5" 10"						
		18 24" 47"						



