

V. 243, 244, 246, 247, (262)

C.V.

D.V.

CG 03 CODE KY-787-D PRG.

JAN-3 33602

EST. WGT. 2230 LBS.

STD. HRS.

TIME

5 P^M14 YC-2-B 93 4 Lot 24003, 4.000#14 YC-2-B 93 4 Lot 24062, 1.000#

14 YC-2-B 93 4 Lot _____, _____#

Total Wgt 7230# (REQ)

PROCESSES		APPROVED BY	
() KY-787-D	(S)	EWK	10-19-77
() Alternate	()	DCG	10-25-77
()	()	MTW	10-26-77
()	()	FWP	02-01-79
TYPED BY			
emw020179			

Homog # 4 - 2nd Pass

NON-BLEEDING

ITEM	NAME	USE LBS.	N CODE	ACCT. LBS.
203	Run 50" (827 G) water into V-203			
&	2 Weigh in drum & pour in	670	32-D	670
205	3 Dump in & stir 5 min	100 x 50	YC-2-B	5000
1	Record: Start <u>5:00 PM</u>	<u>24203</u>	<u>4.000</u>	
	Fin <u>6:50 PM</u>	<u>24062</u>	<u>1.000</u>	
	4 Adj to <u>24062</u> (18256)			
	5 Pump V-203 thru Homog at 2400-2600 psi into V-205			
	6 When V-203 MTY, wash color thru Homog at 1800-2200 psi using minimum water. Use Hot Water			
	7 Record: V-205 Vol <u>42</u> " & adj to 54" (1900 G)			
	8 Inspect Homog strainer & clean if necessary			
SV	9 Run <u>2</u> " (200 G) water into V- <u>262</u> install temp chart & start agitator			
&	10 Pump V-205 thru Homog at 4800-5200 psi into SV- <u>262</u>			
205	Record: Time Start <u>9:30 PM</u> Total Min <u>130</u>			
2	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. Rinse in using Hot Water			
349	12 While Homog, run 6" (284 G) water into V-349			
&	13 Run <u>1000</u> # water into V-384 & heat to 110-120°F			
384	14 Weigh into V-384 & pump to V-349	3830	32-D	3830
3	15 Run <u>1000</u> # water into V-384 & pump to V-349			
	16 Adj V-349 to <u>25</u> " (1163 G) & stir 15 min or longer			
	17 Record: <u>086</u> <u>1.113</u> (15.2 ± 0.2) (1.113 - 1.113)			
SV	18 When S 11 Homog complete, adj SV to <u>26</u> " (2100 G)			
4	19 Record: pH <u>10.8</u> & adj to 11.1-11.3 using N-7-D diluted to 5% (10 parts water to 1 part N-7-D) Assume 50%	18	7-D	9
	Siphon into SV & Record: pH <u>11.2</u>			
	20 Heat to 190-194°F in 35-45 min (V-262) or in 55-65 min (V-243, 244, 246, 247) &			
	Record: HT <u>192</u> °F & Rec <u>192</u> °F			
	NOTE: Strike must be started immediately on completion of heating			
343	21 While heating SV, run <u>56</u> " (1520 G) water into V-343			
&	22 Meter in from V-386 M <u>1</u> , <u>9.70</u> #/Gal <u>57.1</u> Gal		27-D	573
386	23 Stir 15 min or longer			
5	24 Record: <u>086</u> <u>1.026</u> (4.1 ± 0.1)			
	<u>3</u> mL (1.026 - 1.027)			

V-262

EQUIPMENT	PAGE 2	CG03	CODE KY-787-D (S)	EST. WGT.	7230	LBS.	USE	N	ACC
							LBS.	CODE	LB
SV	25	When S 20 heating complete, Record: pH 9.9 (9.6-10.2)							
6	26	Set V-343 acid pump at (69) setting (± 255 min)							
	27	Set V-349 silicate pump at (60) setting (± 210 min)							
	28	Immediately meter in V-343 & 349, maintain SV at 190-194°F during strike							
	29	Record: Start 7:10 7:10							
		V-343 3:10 7:00 AM 2:25							
		V-349 3 AM							
		Record:	Time	V-343	V-349	SV	Normal		
				in	in	pH	pH		
		at 20 min	3:30	(52) 52	(22) 22	9.8	9.3-10.0		
		40 min	3:50	(48) 48	(20) 20	9.8	9.3-10.0		
		1 hr	4:10	(43) 44+	(18) 18+	9.8	9.3-10.0		
		2 1/2 hrs	5:25	(27) 29+	(7) 8	9.8	9.3-10.0		
		3 1/2 hrs	6:40	(10) 12	(0) 15	9.7	9.3-10.0		
		Finish	7:25	(0) 1		7.1	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 22" (431 G) water into V-330 & heat to 160-170°F							
7	31	Add in 12-13 min				700	530-A	700	
	32	Stir 5 min & Record: pH 10.1 (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				350	15-A	350	
302	36	Run 36" (440 G) water into V-302							
9	37	Add & stir 2 min for S 44				Assume 50%	380	7-D	190
SV	38	When V-349 MTY, rinse in with minimum water then set pump to zero setting							
10	39	When V-343 MTY, rinse in with minimum water then turn off pump motor							
	40	Turn off steam							
	41	Sift in				250	128-A	250	
	42	Run in V-357 from S 35 & stir 5 min							
	43	Record: pH 2.3 (3.7-4.2)							
	44	Run in N-7-D from S 37 in 10-12 min & stir 5 min							
	45	Record: pH 9.1 (9.0-9.5) & if necessary, adj to pH 9.0-9.5 & Record: pH Assume 78%						27-D	
		(Dilute 10 parts water to 1 part N-7-D) Assume 50%						7-D	
		Siphon N-7-D to SV							
	46	Run in V-330 20 mesh screen & 20 min							
313	47	Run 15" (222 G) water into V-313 & dump in				270	20-A	270	
11	48	Stir 5 min to dissolve for S 49							
SV	49	Run V-313 into SV in 15-20 min							
12	50	Stir 15 min							
	51	Record: pH 9.1 (9.0-10.0)							
	52	Stop agitator							
		Step	V-262 (20 RPM)	V-243, 244, 246, 247					
		9	2"	4"					
		18	26"	50"					
		START	7:00 H	FIN	3:00 P	OPTR	27-120		
		3:00 PM	11:00	2:00 PM		2:35	154		
		11:00 PM	7A	2:00 PM		409-22-3	920A-120		

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