

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

C.V.

MAKING INSTRUCTIONS: BATCH UNIT

D.V.

CG 03 CODE KY-788-D PKG.

→ FEE 22 34443

EST. WGT. 960 LBS.

STD. HRS. 11.2

TIME

7 PM

MONCHED & CHECKED

14 YC-3-B 93 4 Lot 24403 2000#

14 YC-3-B 93 4 Lot 23864 500#

14 YC-3-B 93 4 Lot

FEB 26 1990

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		

Total Wgt. 3560#

NON-BLEEDING

EQUIPMENT	NAME:	USE LBS.	N CODE	ACCT. LBS.
203	60" "KROLOR" YELLOW - LIGHT			
&	Run 60" (800 G) water into V-203			
205	Weigh in drum & pour in	345	32-D	345
1	Dump in & stir 5 min with agitator on high Lot	52 x 50	YC-3-B	2600
	Record: start 6:50 P.M.			
	Fin 7:20 P.M.			
	25" (275 G)			
	Adj to 70" (1200 G)			
	Pump V-203 thru Homog at 1800-2200 psi into V-205			
	When V-203 MTY, wash color thru Homog at 1800-2200 psi using minimum water			
	Record: V-205 Vol 54" & adj to 60" (2100 G)			
	Inspect Homog strainer & clean if necessary			
SV	Run 2" (504 G) into V-262 install temp chart & start agitator			
&	Pump V-205 thru Homog at 4800-5200 psi into SV 262			
205	Record: Time Start 11:23 Total Min 175			
2	Note: If homog pressure falls below 4800 psi 3-way valve will recirculate slurry to V-205			
	When V-205 MTY run in 5" (240 G) water & pump thru Homog at 4800-5200 psi			
349	While Homog, run 6" (284 G) water into V-349			
&	Run ± 1000# water into V-384 & heat to 110-120 °F			
384	Weigh into V-384 & pump to V-349	1215	32-D	1215
3	Run ± 1000# water into V-384 & pump to V-349			
	Adj V-349 to 14" (662 G) & Stir 15 min or longer			
	Record: Be 1.064 (8.95 ± 0.2) (1.063-1.066)			
SV	When S 11 Homog complete, adj SV to 75" (2420 G)			
4	Record: pH 10.14 & adj to 11.0-11.2 using N-7-D diluted to 3% (10 parts water to 1 part N-7-D) Assume 50% Siphon into SV & Record: pH 11.15	30	7-D	15
	Heat to 190-194F in 55-65 min & Record: HT 19.6 F & Rec 19.6			
	Note: Strike must be started immediately on completion of heating			
343	While heating SV, run 31" (850 G) water into V-343			
&	Meter in from V-386 M 19.6 Gal		27-D	180
386	Stir 15 min or longer			
5	Record: Be 1.016 (2.35 ± 0.1) (1.014-1.016)			

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EQUIPMENT	PAGE 2	CG 03	CODE KY-788-D	EST. WGT	3560	LBS.	USE	N	ACCT.
							LBS.	CODE	LBS.
SV	25	When S 20 heating complete Record: pH <u>9.7</u> (9.5-10.0)							
6	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: <u>Start</u> <u>Finish</u> <u>Minutes</u>							
		V-343 <u>0.45</u> <u>9:15</u> <u>158</u>							
		V-349 <u>0.45</u> <u>9:05 AM</u> <u>158</u>							
		Record:	Time	V-343	V-349	SV	Normal		
				in	in	pH	pH		
		at 20 min	<u>2.05</u>	(28) <u>29</u>	(12) <u>12</u>	<u>9.8</u>	9.3-10.0		
		40 min	<u>2.25</u>	(24) <u>25</u>	(10) <u>10</u>	<u>9.8</u>	9.3-10.0		
		1 hr	<u>6.45</u>	(21) <u>22</u>	(8) <u>8</u>	<u>9.9</u>	9.3-10.0		
		2 hrs	<u>9.45</u>	(10) <u>11</u>	(3) <u>3</u>	<u>9.8</u>	9.3-10.0		
		Finish	<u>9.45</u>	(0) <u>0</u>	(0) <u>0</u>	<u>9.2</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 <u>8.2</u> Assume 77%					<u>40</u>	27-D	<u>30</u>
330	30	Run 20" (392 G) water into V-330 & heat to 80-100 °F							
7	31	Add in 7-8 min					<u>✓</u> 350	530-A	350
	32	Stir 5 min & Record: pH <u>10.0</u> (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	pump in & stir to dissolve for S 42					415	15-A	415
302	36	Run 30" (360 G) water into V-302							
9	37	Add & stir 2 min for S 44 Assume 50%					360	7-D	180
SV	38	When V-349 MTY, rinse in with minimum water then set pump at 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 2 bags					100	128-A	100
	42	Run in V-357 from S-35 & stir 5 min							
	43	Record: pH <u>3.5</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>7.4</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	47	Run 10" (128 G) water into V-313 & dump in					<u>✓</u> 135	20-A	135
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 <u>9.4</u>							
	51	Record: pH <u>9.4</u> (9.0-10.0)							
	52	Stop agitator <u>Do not stop V-263.</u>							
		START	FINISH	OPTR					
		<u>8 PM</u>	<u>11 PM</u>	<u>282</u>					
		<u>11:00</u>	<u>11:00</u>	<u>120-27</u>					
		Step	V-262 (20 RPM)	V-243, 244, 246, 247					
		9	5"	10"					
		18	24"	47"					





