

S.Y. 243 244 (Automated) C.V.
 CG 03 CODE KY-907-D PKG. _____
 → JAN - 10 33672
 EST. WGT. 1080 LBS.

STD. HRS. _____ TIME 7 A M

14 YC-2-B 93 4 Lot 24079, 2000 #
 14 YC-2-B 93 4 Lot 24078, 400 #
 14 YC-2-B 93 4 Lot _____, _____ #

PROCESSES		APPROVED BY	
()	KY-907-D	(D)	EWK 12/12/77
()		()	DCG 12/13/77
()		()	MW 12/15/77
()		()	
TYPED BY			
RJ 2/3/78			

Handwritten: Homog #4 - 1st Page
 " " #3 - 2nd Page

Total Weight - 3480#

NON-BLEEDING

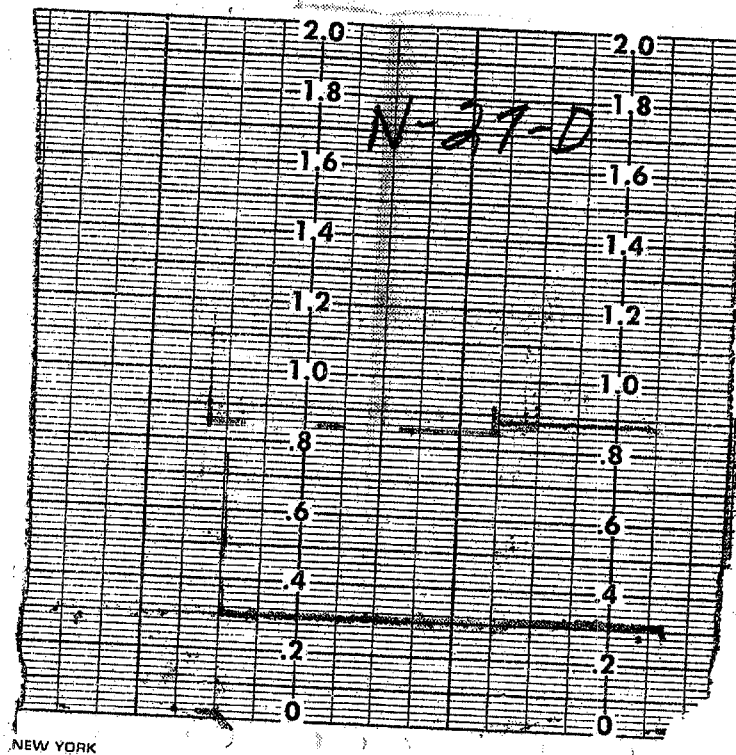
EQUIPMENT	NAME	USE LBS.	N CODE	ACCT. LBS.
203	60" (990 G) KROLOR® - YELLOW MEDIUM			
&	1 Run 33" (560 G) water into V-203			
205	2 Pour in	320	32-D	320
1	3 Dump in	48 x 50	YC-2-B	2400
	Record: Start <u>11:45 AM</u> Lot <u>24079</u> <u>2000</u>			
	Fin <u>12:30 PM</u> <u>24078</u> <u>400</u>			
75 (2256)	4 Adj to 70" (1200 G) <u>2400-3600</u>			
	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 (263)			
263	7 Record V-205 Vol <u>452</u> & adj to 60" (2100 G)			
	8 Inspect Homog strainer & clean if necessary			
205	9 Run 10" (514 G) water into SV & start agitator			
SV	10 Pump V-205 thru Homog at 4800-5200 psi into V- <u>243</u>			
263	Record: Time Start <u>12:35</u> Total Min <u>135</u>			
	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 and pump thru Homog at 4800-5200 psi			
SP & CP	12 SP Step 01 - Set Formula Selector to position #2 (V-243) or #7 (V-244)			
3	13 Press SV Cam Reset PB-set 22TC in Auto Remote (Temperature is set at 190-194 F)			
	14 Record levels and set Raw Materials Counter #1 as follows: 111G <u>21</u> % - preset #1 80 Gal		15-A	160
	15 Set strike flow controllers as follows:			
	a. 3EC10 (N-27-D Controller) in Manual 0.83 GPM		27-D	275
	b. 3EC20 (N-27-D Water) in Manual Local 5.28 GPM			
	c. 3EC10 (N-27-D/Water Ratio) 0.64			
	d. 8EC10 (N-32-D Controller) in Manual 1.08 GPM		32-D	1840
	e. 8EC20 (N-32-D Water) in Manual Local 4.47 GPM			
	f. 8EC20 (N-32-D Water) in Remote			
	g. 8FR10 (N-32-D/Water Ratio) 0.83			
SV	16 Operator Step PB			
SP & CP	17 Record Level 2 LG <u>45</u> %. If below 35% follow solution make-up procedure for N-27-D			
4	18 Adj to 48" (2470 G)			
	19 Record: pH <u>10.2</u>			
	20 Adj to 11.1-11.3 using N-7-D diluted to 5% Assume 50%	<u>30</u>	7-D	<u>15</u>
	(10 parts water to 1 part N-7-D)			
	Siphon into SV Record: pH <u>11.2</u>			
	21 Operator Step PB			

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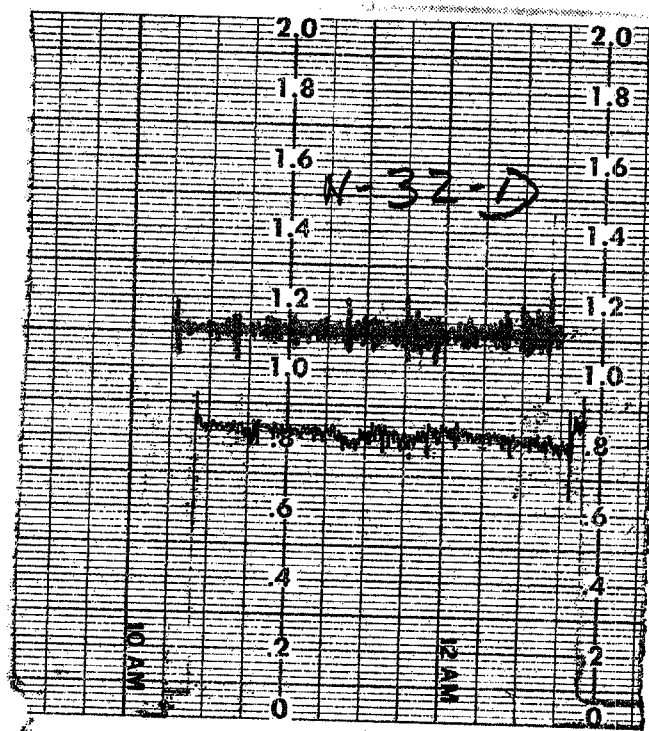
EQUIPMENT	PAGE	CG	03	CODE	KY-907-D (D)	EST. WGT.	3480	LBS.	USE	N	ACCT.
									LBS.	CODE	LBS.
SV	22				SP Step 06/39 - After heat up Record: pH 9.9 (9.5-10.0)						
SP	23				Switch 3FC20, 8FC10, 8FC20 to Auto						
&	24				Operator Step PB						
CP	25				SP Step 10/43 - When 3FC20, 8FC10, 8FC20 water flows in limits						
5					Switch 3FC10 to Auto. Operator Step PB						
	26				SP Step 11/44 - When 3FC10, 3FC20 flows in limits, switch						
					3FC20 to Remote						
	27				Operator Step PB						
	28				During strike, Record pH & time as follows:						
					SP Step						
					V-243/V-244	pH	Range	Time			
					13/46 (30 min)	9.7	9.0-10.0	4:50			
					14/47 (60 min)	9.7	9.0-10.0	5:20			
					15/48 (2 hrs)	9.8	9.0-10.0	6:20			
					16/49 (2 hrs 25 min)	9.8	9.0-10.0	6:45			
					17/50 (3 hrs Final)	8.1	7.5-8.5	7:20			
					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						
	29				Sift in				50	27-D	50
302	30				Add 17" (208 G) water to V-302						
6	31				Add & stir 2 min for S58			Assume 50%	100	7-D	50
PT	32				During strike pump into PT				318	169-A	318
7	33				Pump in				36	155-A	36
	34				Pump in				36	160-A	36
	35				Stir 10 min with lightning mixer for S39						
356	36				During strike run 20" (244 G) water into V-356						
8	37				Turn on steam						
	38				Adj to 26% (317 G) at 178-182°F - 81-82°C						
	39				Pump PT mixture from S35 thru undersurface						
					Distributor AFAP						
	40				Rinse PT with hot water from hot water mixer & pump in						
	41				Shut off pump 81-82°C						
	42				Stir 30 min at 178-182°F for S49						
	43				Do not shut off agitator						
SV	44				When S29 complete, heat SV to 198-200°F in 5-10 min						
&	45				Close water line & discharge valves at stearate pump						
SP	46				Open V-356 Discharge valves to stearate pump inlet						
9	47				Open water valve at stearate pump & run water thru						
					Homog at 2900-3100 psi to sewer						
	48				While Homog water at 2900-3100 psi, open Homog						
					Discharge valve to SV & close valve to sewer						
	49				Immediately open stearate pump discharge valve,						
					Turn on pump & Homog V-356 to SV at 2900-3100 psi						
					Maintain SV at 198-200°F						
	50				While Homog V-356 to SV, shut off water valve at						
					Stearate pump ASAP						
	51				When Homog complete, rinse in V-356 with hot water						
					From hot water mixer						

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EQUIPMENT	PAGE 3 CG 03 CODE	KY-907-D (D) EST. WGT.	3480 LBS.	USE LBS.	N CODE	ACCT. LBS.
SV	✓ 52	When S51 complete turn off Homog & stearate pump				
&	✓ 53	Stir 5 min at 198-200°F				
SP	✓ 54	Shut off steam				
9	✓ 55	When S54 complete, Operator PB				
Con'T	✓ 56	SP Step 23/53 Record pH 3.8 (3.3-3.7)				
	✓ 57	If necessary adj pH to (3.3-3.7) (DOWN ONLY) Record: pH				
		NOTE: Dissolve extra N-15-A in water at 110-120°F in drum				
		Use + 30 gal of water to 50# N-15-A. Stir SV 5 min				
		after each addition				
✓	58	Run in N-7-D from S31 in 10-12 min & stir 5 min				
✓	59	Record: pH 4.4 (4.2-4.4) & if necessary adj pH 4.2-4.4				
		& Record: pH				
		(Dilute 10 parts water to 1 part N-7-D)				
		Siphon N-7-D into SV				
	60	Operator Step PB				
	61	Operator Step PB				
	62	SP Step 60 - Batch complete				
		PUMPED TO V-240				
					15-A	
					7-D	
					27-D	



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