262

C.V.

MAKING INSTRUCTIONS: BATCH UNIT

D.V.

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		

CG 03 CODE KY-908-D PKG. _____

→ JAN 28 33932

EST. WGT. 1603 LBS.

STD. HRS. _____ TIME 5P M

OK
KF

14 YC-3-B 93 4 Lot 23549, 1000#
14 YC-3-B 93 4 Lot 24410, 600#
14 YC-3-B 93 4 Lot _____, _____#

TOTAL WGT. 6203

Homog #4 - 1st Pass
" 4 2nd "

NON-BLEEDING

EQUIPMENT		NAME: KROLOR® YELLOW - LIGHT	USE LBS.	N CODE	ACCT. LBS.
		~~60" (1800 G)~~			
V-203	1	~~Run 23" (360 G) water into V-203~~			
&	2	Pour in	610	32-D	610
V-205	3	Dump in Lot	92 x 50	YC-3-B	4600
1		Record: Start 3:AM.	23549	1000	
		Fin 3:AM	24410	600	
75" (2075 G)		~~80" (1360 G)~~		4600	
	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 43" & adj to 60" (2100 G)			
	8	Inspect Homog strainer & clean if necessary			
SV	9	Run 2" (200 G) into V-262 Install temp chart & start agitator			
& V-205	10	Pump V-205 thru Homog at 4800-5200 psi into SV			
2		Record: Time Start 2:45P Total Min 160			
		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			
V-349	12	While Homog, run 6" (248 G) water into V-349			
&	13	Run +1000# water into V-384 & Heat to 110-120°F			
V-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' 1.080 ~~(10.8 ± 0.2)~~ 1.077-1.080 g/ml			
SV	18	When S 11 Homog complete, adj SV to 25" (2478 G)			
4	19	Record: pH 9.6 & adj to 11.0-11.2 using N-7-D diluted to 5% (10 parts water to 1 part N-7-D) Assume 50%	90	7-D	45
		Siphon into SV & Record: pH 11.1			
	20	Heat to 190-194°F in 35-45 min & Record: HT 195 °F & Rel 192 °F			
		Note: Strike must be started immediately on completion of heating			
V-343	21	While heating SV, run 45" (1237 G) water into V-343			
&	22	Meter in from V-386 M 12. 9.368 #/Gal 33.6 Gal		27-D	318
V-386	23	Stir 15 min or longer			
5	24	Record: °Be' 1.016 ~~(8.5 ± 0.1)~~ 1.015-1.016 g/ml			

020 REV.

V-262

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JIPMENT			USE LBS.	N CODE	ACC LBS
/	25	When S 20 heating complete Record: pH 9.5 (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 / Finish / Minutes V-343 10:30 pm / 2:45 / 255 V-349 10:30 pm / 1:35 / 185			

Record:	Time	V-343 in		V-349 in		SV pH	Normal pH
at 20 min	10:50	(42)		(18)		9.4	9.3-10.0
40 min	11:10	(38)		(15)		9.4	9.3-10.0
1 hr	11:30	(34)		(13)		9.4	9.3-10.0
2 hrs	12:30	(22)	26	(6)	8	9.6	9.3-10.0
3 hrs	1:30	(11)	12	(0)	1	9.5	9.3-10.0
Finish	2:15	(0)		(0)		7.2	7.5- 8.5

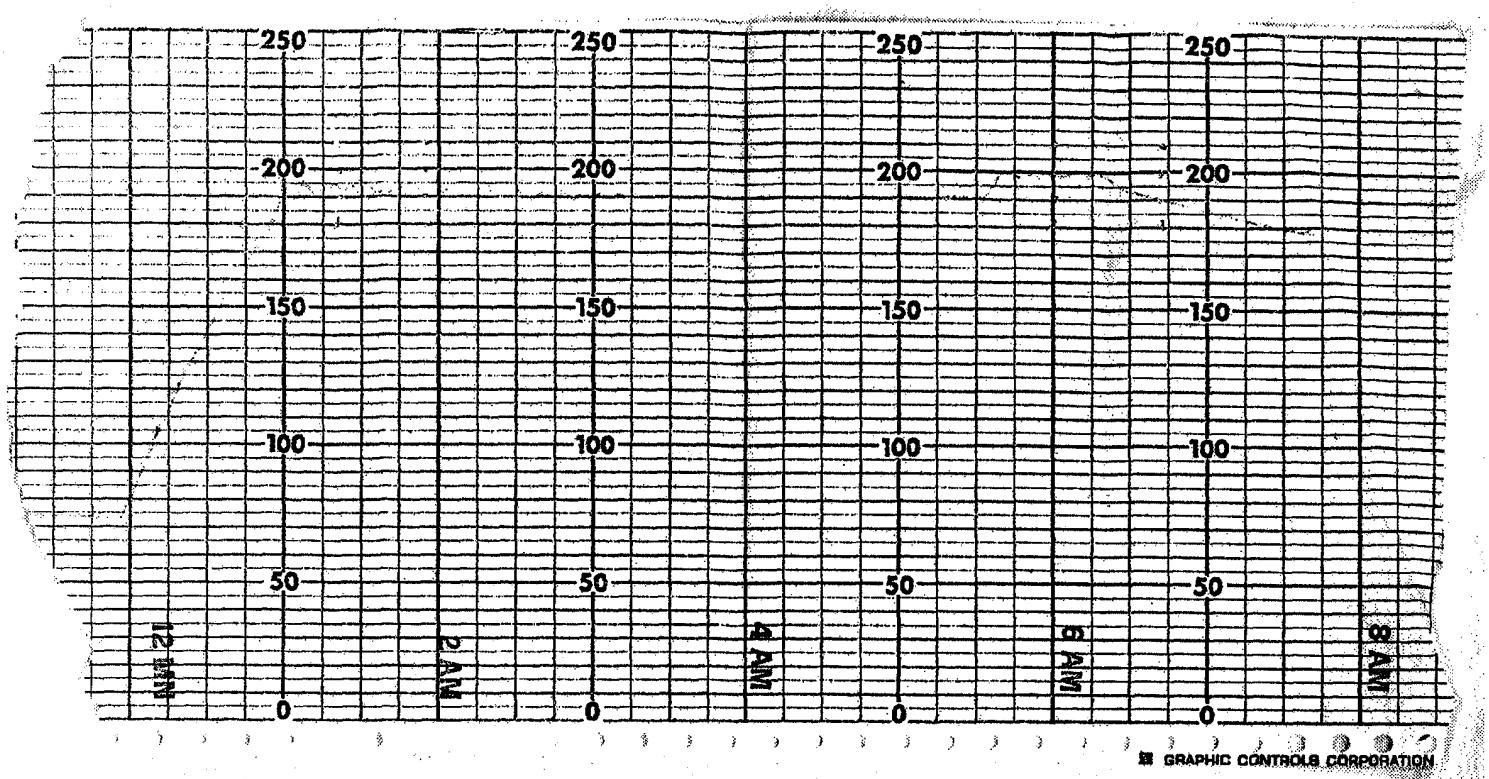
Note: (1) If pH not as specified notify supervisor & note in Log (2) If final pH is Above 8.5, adj pH to 7.5-8.5 & Record: pH

	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 D	Assume 50% / 100	7-D	50
T	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~~ 81-83°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 81-83°C			
	45	Stir 30 min at ~~170-180°F~~ for S54			
	46	Do not shutoff Agitator			
V	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			

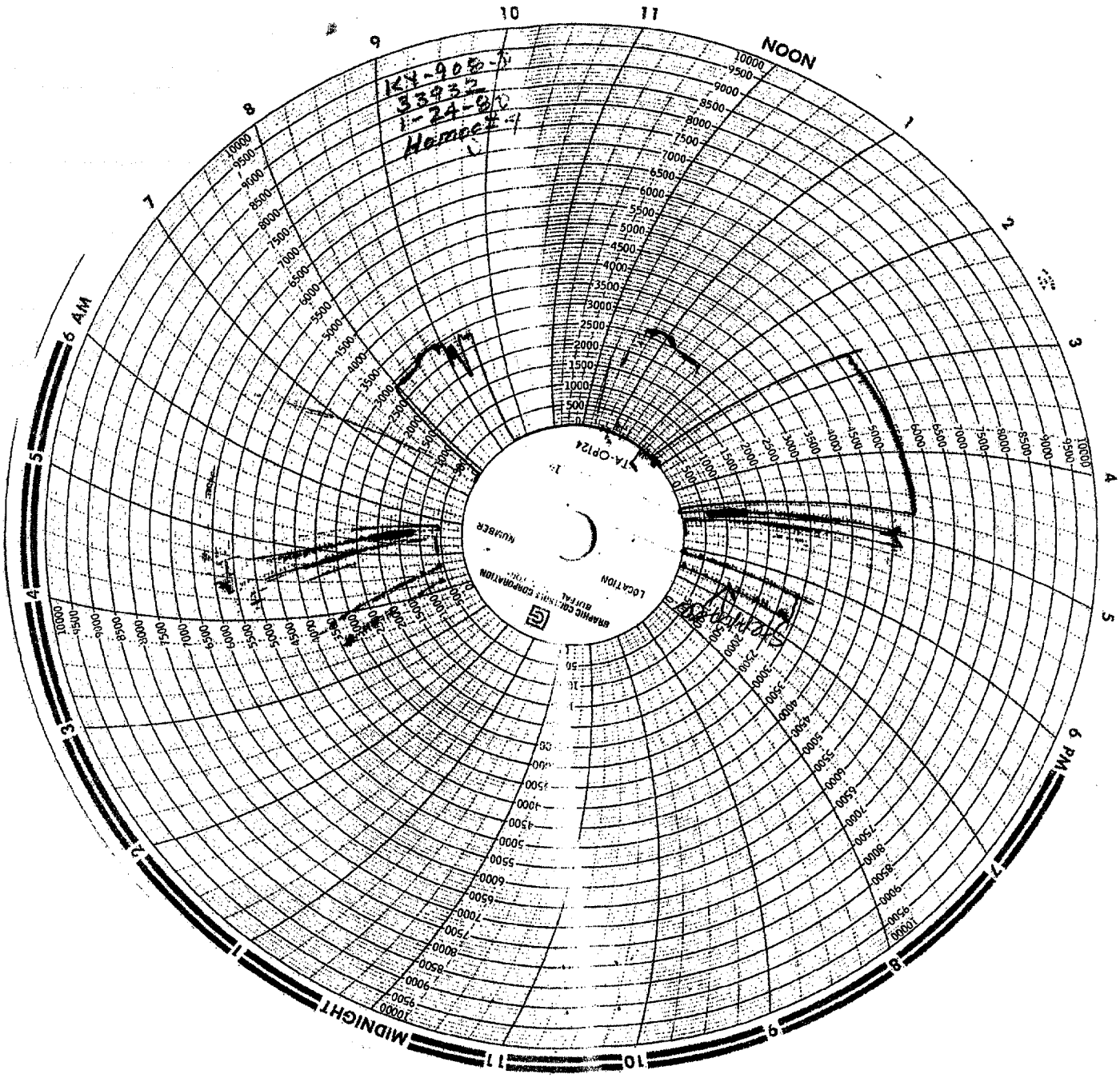
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QUIPMENT		PAGE 3 CG 03 CODE KY-908-D (E) EST. WGT. 3549 LBS.	USE LBS.	N CODE	AC L
SV 11 con't	54	Immediately open stearate pump discharge valve,			
		turn on pump & homog V-356 to SV at 2800-3100 psi			
		maintain SV at 198-200°F			
	55	While Homog V-356 to SV, shut off water valve at			
		stearate pump ASAP			
	56	When homog complete, ringe 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 3.4 (3.3-3.7)			
	62	If necessary, adj pH to 3.3-3.7 (Downward only) and			
		Record: pH		I5-A	
	63	Run in N-7-D from S34 in 4-6 min and stir 5 min			
	64	Record: pH 4.3 (4.2-4.4) and if necessary, adj to			
		pH 4.2-4.4 and Record: pH Assume 78%		27-D	
		(Dilute 10 parts water to 1 part N-7-D) Assume 50%		7-D	
		Siphon N-7-D into SV			
	65	Do not stop agitator			

START	FIN	OPTR
7:00A	3:00P	235
3:00pm	11:00pm	409
11:00P	5:00A	194-201



DUP050095060



DUP050095061