

CG 03 CODE KY-787-D

PROCESSES

APPROVED BY

OCT-10 80 37404

 () KY-787-S (S) FWP 9/18/80
 () () (XOB-17: 3/4
 () () N-32-D & 240
 () () MIN STRIKE)

STANDARD HRS. 10.6 TIME 11:47 AM

TYPED BY: FWP 9/18/80

CG	CODE	PQ	LOT	LBS
14	YC002B	93	13084	2000
14	YC002B	93	13086	200
14	YC002B	93	13098	2000

HOMO G #4-2-Pass

TOTAL EST'D WGT 5845

NON-BLEEDING

EQUIP	NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203 & 205	1 RUN 60" (990 GAL) WATER INTO V-203 WITH AGITATOR ON HIGH SPEED & ADD CAUSTIC	40	7-D	20
205	2 WEIGH SODIUM SILICATE INTO DRUM & POUR IN DUMP IN CHROME YELLOW & STIR 5 MIN	420	32-D	420
1	3 RECORD: START 7:PM 13084 2000 FIN 9:PM 13086 200 13098 2000	84X50	YC-2-B	4200
	4 ADJUST TO 75" (1275 GAL)			
	5 WITH AGITATOR ON LOW SPEED PUMP V-203 THRU HOMOG AT 2400-2600 PSI INTO V-205			
	6 WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN HOT WATER AT 2400-2600 PSI INTO V-205			
	7 RECORD: V-205 VOL. " & ADJUST TO 60" (2100 GAL)			
	8 INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
208 & SV	9 RUN 2" (200 GAL) WATER INTO V-208 START AGITATOR & INSTALL TEMP CHART			
2	10 PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV			
	RECORD: TIME START 10:25A TOTAL MINUTES 135			
	NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI, 3-WAY VALVE WILL RECIRCULATE SLURRY TO V-205			
	11 WHEN V-205 MT, RUN IN 5" (240 GAL) WATER & PUMP THRU HOMOG AT 4800-5200 PSI INTO SV			
349 & 384	12 WHILE HOMOG, RUN 6" (284 GAL) WATER INTO V-349			
	13 RUN 1000# WATER INTO V-384 & HEAT TO 110-120°F			
	14 WEIGH INTO V-384 & PUMP TO V-349	2415	32-D	2415
	15 RUN 1000# WATER INTO V-384 & PUMP TO V-349			
3	16 ADJ V-349 TO 17 (805 GAL) & STIR 15 MIN			
	17 RECORD DENSITY: 1.103 G/ML (1.103-1.105)			
SV	18 WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24" (2420 GAL)			
4	19 RECORD: PH 11.3 & ADJ TO 11.1-11.3 WITH CAUSTIC AT 5% (10 PARTS WATER TO 1 PART N-7-D)			
	ASSUME 50%		7-D	
	20 SIPHON N-7-D INTO SV & RECORD: PH 192			
	HEAT TO 190-194°F IN 55-65 MIN & REC: HT 192 °F			
	& RECORD: 192 °F			
	NOTE: STRIKE MUST BE STARTED IMMEDIATELY ON ON COMPLETION OF HEATING			
343 & 386	21 WHILE HEATING SV, RUN 39 (1070 GAL) WATER INTO V-343 & METER IN SULFURIC ACID FROM V-386			
	MK 6.2, 8.95# / GAL, 421 GAL		27-D	
	22 STIR 15 MIN OR LONGER			
	RECORD: DENSITY 1.024 G/ML (1.024-1.026)			

V-262

24	WHEN S 20 HEATING COMPLETE, RECORD: PH <u>10.2</u>			
25	SET V-343 ACID PUMP AT 49 SETTING (285 MIN)			
26	SET V-349 SILICATE PUMP AT 38 SETTING (240 MIN)			
27	IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV AT 190-194°F DURING STRIKE			
SV	RECORD: START FINISH MINUTES			
	V-343 <u>2:30 P.M.</u> <u>7:18 P.M.</u> <u>288</u>			
	V-349 <u>6:33 P.M.</u> <u>243</u>			
	V-343 V-349 SV NORMAL			
	TIME INCHES INCHES PH PH			
	AT 20 MIN <u>2:50 P</u> (37) <u>31</u> (16) <u>16</u> <u>9.9</u> (9.3-10.0)			
	40 MIN <u>3:10 P</u> (34) <u>34</u> (14) <u>14</u> <u>9.8</u> (9.3-10.0)			
	1 HR <u>3:30 P</u> (31) <u>31</u> (13) <u>+</u> <u>9.8</u> (9.3-10.0)			
	2 HR <u>4:30 P</u> (23) <u>23</u> (9) <u>9</u> <u>9.8</u> (9.3-10.0)			
	3 HR <u>5:30 P</u> (15) <u>15</u> (4) <u>4</u> <u>9.6</u> (9.3-10.0)			
	4 HR <u>6:30 P</u> (6) <u>6</u> (0) <u>1/2</u> <u>9.6</u> (9.3-10.0)			
	FINISH <u>7:35 P</u> (0) <u>8.2</u> (7.5-8.5)			
	NOTE: IF PH DROPS BELOW 9.3 IN FIRST HOUR, STOP PUMPS & SEE SUPV. IF FINAL PH IS ABOVE 8.5, ADJ TO 7.5-8.5 ASSUME 77%			
			27-D	

330	✓ 29	RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO 160-170°F			
7	✓ 30	ADD DRESINATE "X" IN 12-13 MIN	600	530-A	600
	✓ 31	STIR 5 MIN & RECORD: PH <u>10.2</u> (9.5-10.5)			
	✓ 32	STIR 20 MIN OR LONGER FOR S-45			

385	✓ 33	RUN 40" (308 GAL) WATER INTO V-385 & HEAT TO 135-140°F			
8	✓ 34	DUMP IN ALUM & STIR TO DISSOLVE FOR S-41	280	15-A	280

302	✓ 35	ADD 42" (513 GAL) WATER TO V-302			
9	✓ 36	ADD & STIR 2 MIN FOR S-43 ASSUME 50%	320	7-D	160

SV	✓ 37	WHEN V-349 MT, RINSE IN WITH MINIMUM WATER & SET PUMP AT ZERO SETTING			
10	✓ 38	WHEN V-343 MT, RINSE IN WITH MINIMUM WATER & TURN OFF PUMP MOTOR			
	✓ 39	TURN OFF STEAM			
	✓ 40	SIFT IN BLANC FIXE	200	128-A	200 ✓
	✓ 41	RUN IN V-385 FROM S 34 & STIR 5 MIN			
	✓ 42	RECORD: PH <u>2.3</u> (3.7-4.2)			
	✓ 43	RUN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5 MIN			
	✓ 44	RECORD: PH <u>10.6</u> (9.0-9.5) & IF NECESSARY ADJ TO PH 9.0-9.5. RECORD: PH <u>9.4</u> ASSUME 77%	20	27-D	15
		DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50%		7-D	
	✓ 45	SIPHON N-7-D INTO SV			
	✓ 46	RUN IN V-330 THRU 20 MESH SCREEN & STIR 20 MIN			

330	✓ 46	RUN 11" (216 GAL) WATER INTO V-330			
11	✓ 47	DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-48	230	20-A	230 ✓

SV	✓ 48	RUN V-330 INTO SV IN 15-20 MIN			
12	✓ 49	STIR 15 MIN & RECORD: PH <u>9.3</u> (9.0-10.0)			
	✓ 50	DO NOT STOP AGITATOR			
		START FINISH OPERATOR			
		<u>9:30 AM</u> <u>3:00 PM</u> <u>381-223</u>			
		<u>3:00 PM</u> <u>11:00 PM</u> <u>54-123</u>			
		<u>11:00 PM</u> <u>11:40 PM</u> <u>300-244</u>			

