

NOV 4 80 37679

STANDARD HRS. 10.6

TIME

3:20 PM

OK
X

TYPED BY: FWP

PUNCHED & CHECKED

CG	CODE	PQ	LOT	LBS
14	YC002B	93	13190	4000
14	YC002B	93		200
14	YC002B	93	13193	

NOV 7 1980

NOV 11 1980

TOTAL EST'D WGT 5845

NON-BLEEDING

EQUIP	NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203	1 RUN 60" (990 GAL) WATER INTO V-203 WITH AGITATOR			
&	1 ON HIGH SPEED & ADD CAUSTIC	40	7-D	20
205	2 WEIGH SODIUM SILICATE INTO DRUM & POUR IN	420	73-32-D	420
	3 DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
	RECORD: START 10:30			
	FIN 12:50			
	ADJUST TO 75" (1275 GAL)			
	WITH AGITATOR ON LOW SPEED PUMP V-203 THRU			
	HOMOG AT 2400-2600 PSI INTO V-205			
	WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN			
	HOT WATER AT 2400-2600 PSI INTO V-205			
	RECORD: V-205 VOL. " & ADJUST TO 60" (2100 GAL)			
8	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
208	9 RUN " (200 GAL) WATER INTO V-208 START			
&	AGITATOR & INSTALL TEMP CHART			
SV	10 PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV.			
	RECORD: TIME START 10:20 TOTAL MINUTES 160			
2	NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI,			
	3-WAY VALVE WILL RECIRCULATE SLURRY TO V-205			
	WHEN V-205 MT, RUN IN 5" (240 GAL) WATER & PUMP			
	THRU HOMOG AT 4800-5200 PSI INTO SV			
349	12 WHILE HOMOG, RUN 6" (284 GAL) WATER INTO V-349			
&	13 RUN 1000# WATER INTO V-384 & HEAT TO 110-120°F			
384	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: 1.163 G/ML (1.103-1.105)			
SV	18 WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24" (2420 GAL)			
	19 RECORD: PH 10.5 & ADJ TO 11.1-11.3 WITH CAUSTIC			
4	AT 5% (10 PARTS WATER TO 1 PART N-7-D)	10	721D	10
	ASSUME 50%			
	SIPHON N-7-D INTO SV & RECORD: PH 11.1			
	HEAT TO 190-194°F IN 55-65 MIN & REC: HT *F			
	& RECORD: *F			
	NOTE: STRIKE MUST BE STARTED IMMEDIATELY ON			
	ON COMPLETION OF HEATING			
343	21 WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO			
&	V-343 & METER IN SULFURIC ACID FROM V-384			
	MK 67 9.156# / GAL 262 GAL	577	27-D	364
386	22 STIR 15 MIN OR LONGER			397
5	23 RECORD: DENSITY 1.023 G/ML (1.023-1.025) (1.026-1.027)			
EQUIP	PAGE 2 CG 03 KY-787-D EST WGT 5845#	USE	N-	USE

N34701

						LBS	CODE	LBS
V 262								
SV	24	WHEN S 20 HEATING COMPLETE, RECORD: PH <u>9.8</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						
	28	RECORD: START FINISH MINUTES						
		V-343 <u>7:45 AM</u> V-349 <u>6:45 AM</u> <u>240</u>						
		V-343 V-349 SV NORMAL						
		TIME INCHES INCHES PH PH						
		AT 20 MIN <u>3:25</u> (37) <u>38</u> (16) <u>16</u> <u>9.6</u> (9.3-10.0)						
		40 MIN <u>3:25</u> (34) <u>35</u> (14) <u>14</u> <u>9.6</u> (9.3-10.0)						
		1 HR <u>3:45</u> (31) <u>32</u> (13) <u>13</u> <u>9.6</u> (9.3-10.0)						
		2 HR <u>4:15</u> (23) <u>24</u> (9) <u>9</u> <u>9.5</u> (9.3-10.0)						
		3 HR <u>5:45</u> (15) <u>16</u> (4) <u>4</u> <u>9.4</u> (9.3-10.0)						
		4 HR <u>6:45</u> (6) <u>6</u> (0) <u>0</u> <u>9.4</u> (9.3-10.0)						
		FINISH <u>7:15</u> (0) <u>0</u> <u>8.5</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>10.0</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	160		<u>701-A</u>			
9	36	ADD & STIR 2 MIN FOR S-43 ASSUME 50%	<u>320</u>		<u>7-D</u>		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>4.2</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>10.5</u> (9.0-9.5) & IF NECESSARY ADJ TO PH 9.0-9.5. RECORD: PH <u>9.3</u> ASSUME 77%	30		27-D		<u>23</u>	
		DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50%			7-D			
		SIPHON N-7-D INTO SV						
	45	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 <u>7:00 AM</u> FINISH <u>9:15 AM</u> OPERATOR <u>37-244</u>						
							<u>201-409</u>	



