

NOV 11 1980

NOV 11 80 37931

STANDARD HRS. 10.6 TIME 3A M

TYPED BY FWP 11/3/80

CG	CODE	PQ	LOT	LBS
14	YC002B	93	13190	4000
14	YC002B	93	13175	200
14	YC002B	93		

CLEAN UP

AS YOU GO ALONG

TOTAL EST'D WGT 5845

USE FLAKE CAUSTIC

NON-BLEEDING

EQUIP	NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203	1 RUN 60" (990 GAL) WATER INTO V-203 WITH AGITATOR			
203	2 ON HIGH SPEED & ADD CAUSTIC	40	241-D	20
263	3 WEIGH SODIUM SILICATE INTO DRUM & POUR IN	420	983-D	420
263	31 DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
1	RECORD: START 5:30 AM FIN 6:15 AM	4200		
4	ADJUST TO 75" (1275 GAL)			
5	WITH AGITATOR ON LOW SPEED PUMP V-203 THRU			
6	HOMOG AT 2400-2600 PSI INTO V-263			
7	WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN			
8	HOT WATER AT 2400-2600 PSI INTO V-263			
9	RECORD: V-263 VOL. 40" & ADJUST TO 60" (2100 GAL)			
10	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
203	1 RUN 2" (200 GAL) WATER INTO V-263			
263	2 AGITATOR & INSTALL TEMP CHART			
SV	3 PUMP V-263 THRU HOMOG AT 4800-5200 PSI INTO SV.			
2	RECORD: TIME START 9:30 PM TOTAL MINUTES 180			
11	NOTE: IF HOMOG PRESSURE FALLS BELOW 4800 PSI,			
12	3-WAY VALVE WILL RECIRCULATE SLURRY TO V-263			
13	WHEN V-263 MT, RUN IN 5" (240 GAL) WATER & PUMP			
14	THRU HOMOG AT 4800-5200 PSI INTO SV			
349	1 WHILE HOMOG, RUN 6" (284 GAL) WATER INTO V-349			
384	2 RUN 1000# WATER INTO V-384 & HEAT TO 110-120°F	2415	983-D	2415
3	3 WEIGH INTO V-384 & PUMP TO V-349			
4	4 RUN 1000# WATER INTO V-384 & PUMP TO V-349			
5	5 ADJ V-349 TO 17" (805 GAL) & STIR 15 MIN			
6	6 RECORD DENSITY: 1.105 G/ML (1.103-1.105)			
SV	7 WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24" (2420 GAL)			
4	8 RECORD: PH 10.6 & ADJ TO 11.1-11.3 WITH CAUSTIC			
10	AT 5% (10 PARTS WATER TO 1 PART N-7-D)			
11	ASSUME 50%	20	241-D	20
12	SIPHON N-7-D INTO SV & RECORD: PH 11.1			
13	HEAT TO 190-194°F IN 55-65 MIN & REC: HT 193°F			
14	& RECORD: 193°F			
15	NOTE: STRIKE MUST BE STARTED IMMEDIATELY ON			
16	ON COMPLETION OF HEATING			
343	17 WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO			
384	V-343 & METER IN SULFURIC ACID FROM V-384			
5	MK 68, 893 #/GAL, 469 GAL		27-D	361
10	STIR 15 MIN OR LONGER			
11	RECORD: DENSITY 1.025 G/ML (1.023-1.025)			

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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>2:45 AM</u> <u>7:45 AM</u> <u>300</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>3:05</u> (37) <u>✓</u> (16) <u>✓</u> <u>9.7</u> (9.3-10.0)			
		40 MIN <u>3:25</u> (34) <u>✓</u> (14) <u>✓</u> <u>9.7</u> (9.3-10.0)			
		1 HR <u>3:55</u> (31) <u>✓</u> (13) <u>✓</u> <u>9.7</u> (9.3-10.0)			
		2 HR <u>4:15</u> (23) <u>✓</u> (9) <u>✓</u> <u>9.7</u> (9.3-10.0)			
		3 HR <u>5:45</u> (15) <u>✓</u> (4) <u>✓</u> <u>9.7</u> (9.3-10.0)			
		4 HR <u>6:45</u> (6) <u>✓</u> (0) <u>✓</u> <u>9.7</u> (9.3-10.0)			
		FINISH <u>7:30 AM</u> (0) <u>0</u> <u>7.4</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 ____ (9.5-10.5)			
	32	STIR 20 MIN OR LONGER FOR S-45			

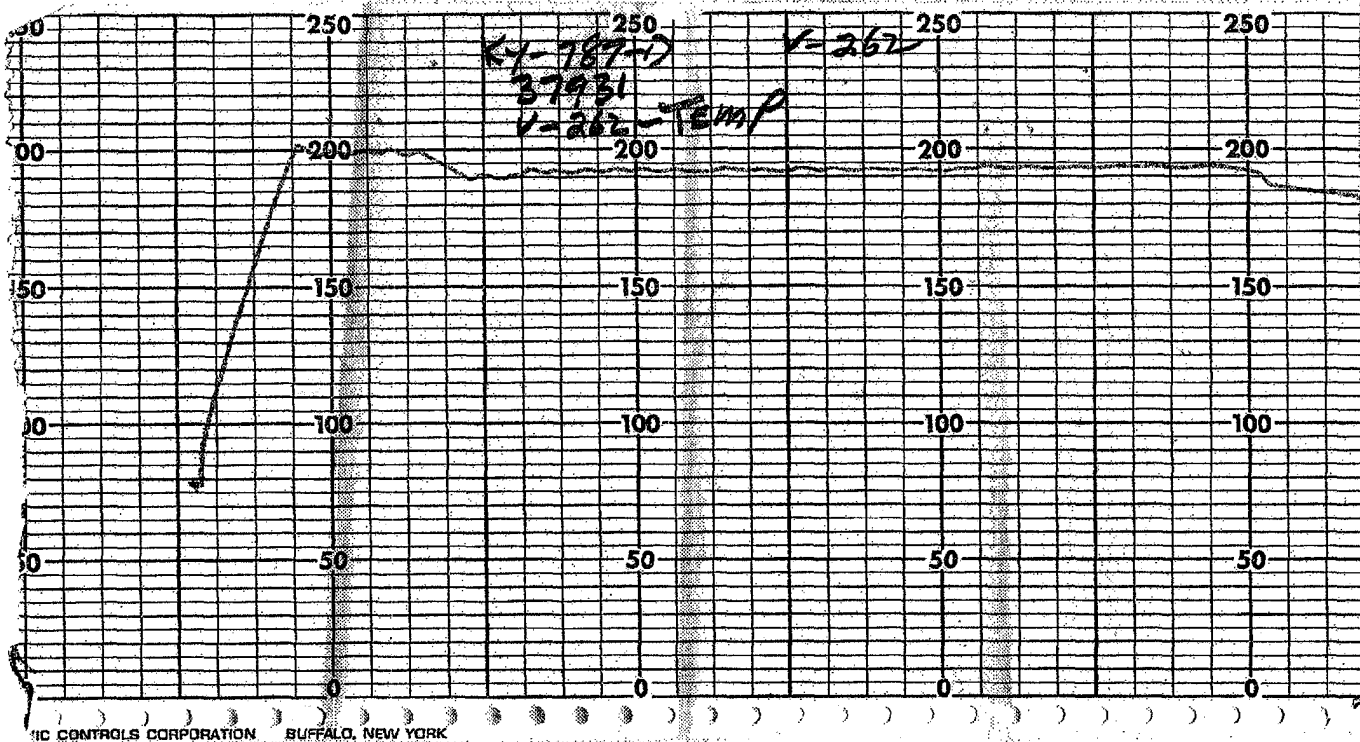
385	33	RUN 40" (308 GAL) WATER INTO V-385 & HEAT TO 135-140°F			
8	34	DUMP IN ALUM & STIR TO DISSOLVE FOR S-41	280	15-A	280

302	35	RUN 42" (513 GAL) WATER TO V-302	160		
9	36	ADD & STIR 2 MIN FOR S-43 ASSUME 50%	160	727-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	12B-A	200
	41	RUN IN V-385 FROM S 34 & STIR 5 MIN			
	42	RECORD: PH <u>4.0</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>9.5</u> (9.0-9.5) & IF NECESSARY ADJ TO PH 9.0-9.5. RECORD: PH ____ ASSUME 77%		27-D	
		DILUTE N-7-D 10 TO 1 WITH WATER ASSUME 50%		727-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 FINISH OPERATOR			
		<u>3:00 AM</u> <u>10:00 AM</u> <u>237-244</u>			
		<u>7:00 AM</u> <u>10:00 AM</u> <u>381-223</u>			



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