

OCT-7-1980 37353

STANDARD HRS. 10.6 TIME 11A M

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

CG CODE PQ LOT LBS
 14 YC002B 93 13089 4800
 14 YC002B 93 25001 200
 14 YC002B 93

OCT 7 1980

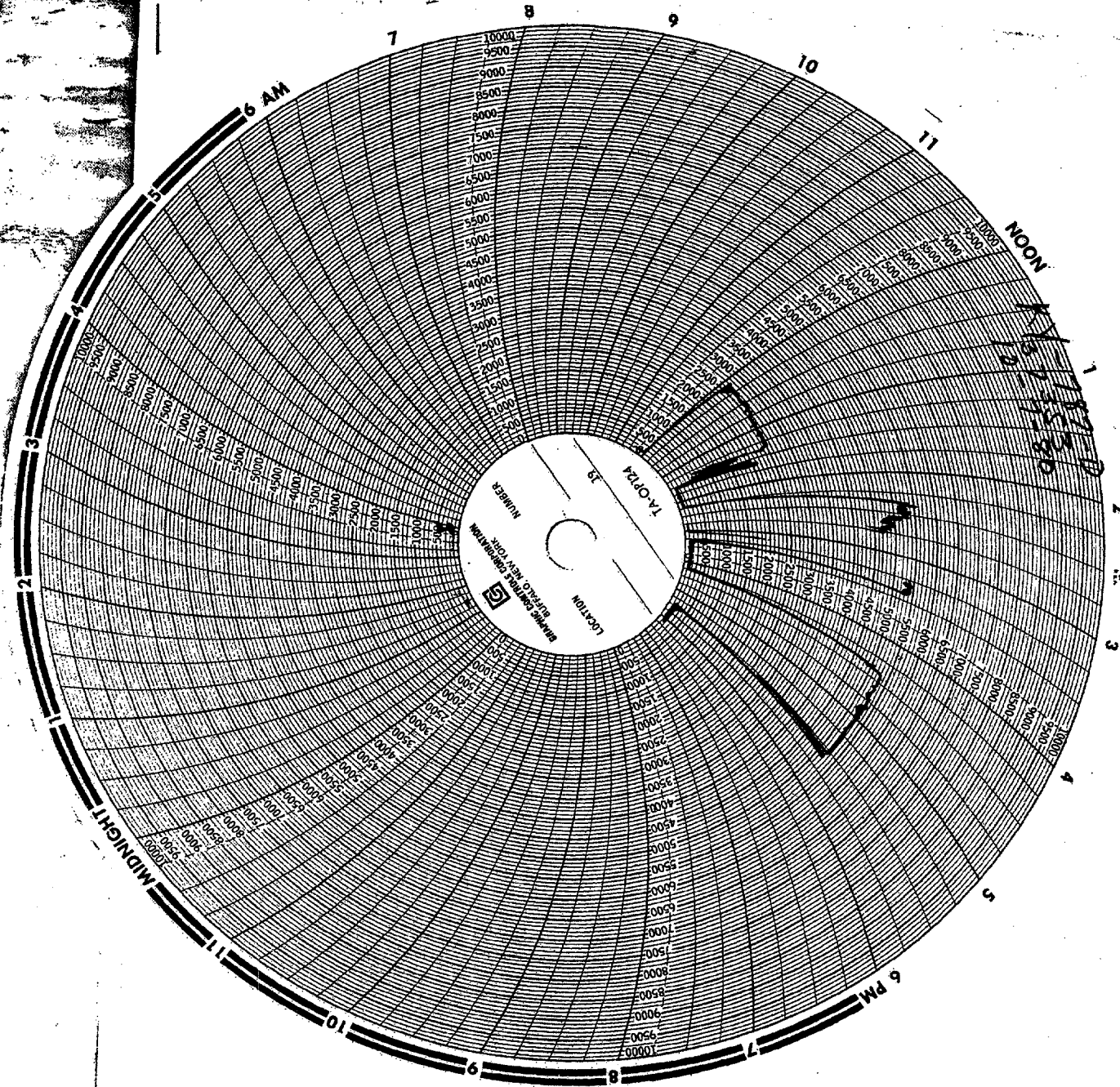
Homog #4 - 220 Pass

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			
&	ON HIGH SPEED & ADD CAUSTIC	40	7-D	20
205	2 WEIGH SODIUM SILICATE INTO DRUM & POUR IN	420	32-D	420
	3 DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
	RECORD: START 12089	4100		
	FIN 1130 25001	200		
263	4 ADJUST TO 75" (1275 GAL)			
	5 WITH AGITATOR ON LOW SPEED PUMP V-203 THRU			
	HOMOG AT 2400-2600 PSI INTO V-205 263			
	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	9 RUN 2" (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 2:29 TOTAL MINUTES 1:29			
	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	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: 1.03 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			
	AT 5% (10 PARTS WATER TO 1 PART N-7-D)			
	ASSUME 50%	30	7-D	15
	SIPHON N-7-D INTO SV & RECORD: PH 11.1			
	20 HEAT TO 190-194°F IN 55-65 MIN & REC: HT 188°F			
	& RECORD: 19.4°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-386			
	MK 61 2520/GAL 37.9 GAL			
386	22 STIR 15 MIN OR LONGER		27-D	361
5	23 RECORD: DENSITY 1.025 G/ML (1.023-1.025)			

		V-262		LBS	CODE	LBS
124	SV	WHEN S 20 HEATING COMPLETE, RECORD: PH 10.0				
125		SET V-343 ACID PUMP AT 49 SETTING (285 MIN)				
126		SET V-349 SILICATE PUMP AT 38 SETTING (240 MIN)				
127		IMMEDIATELY METER IN V-343 & V-349. MAINTAIN SV AT 190-194°F DURING STRIKE				
128	SV	RECORD:	START	FINISH	MINUTES	
		V-343	7:20	12:05A	245	
		V-349	7:20	11:25PM	245	
		V-343	V-349	SV	NORMAL	
		7:20	TIME INCHES	40 INCHES	17 PH	PH
		AT 20 MIN	7:40 (37)	38- (16)	9.8	9.3-10.0)
		40 MIN	8:00 (34)	± (14)	9.75	9.3-10.0)
6		1 HR	8:20 (31)	± (13)	9.7	9.3-10.0)
		2 HR	9:20 (23)	(9)	9.65	9.3-10.0)
		3 HR	10:20 (15)	(4)	9.6	9.3-10.0)
		4 HR	11:20 (6)	(0)	9.6	9.3-10.0)
		FINISH	12:05 (0)		7.5	(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	129	RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO 160-170°F				
7		ADD DRESINATE "X" IN 12-13 MIN				
		600	530-A	600		
131		STIR 5 MIN & RECORD: PH 9.5-10.5)				
132		STIR 20 MIN OR LONGER FOR S-45				
385	133	RUN 40" (308 GAL) WATER INTO V-385 & HEAT TO 135-140°F				
8		DUMP IN ALUM & STIR TO DISSOLVE FOR S-41				
		280	15-A	280		
302	135	ADD 42" (513 GAL) WATER TO V-302				
9	136	ADD & STIR 2 MIN FOR S-43				
		ASSUME 50%	320	7-D	160	
SV	137	WHEN V-349 MT, RINSE IN WITH MINIMUM WATER & SET PUMP AT ZERO SETTING				
10	138	WHEN V-343 MT, RINSE IN WITH MINIMUM WATER & TURN OFF PUMP MOTOR				
	139	TURN OFF STEAM				
	140	SIFT IN BLANC FIXE				
	141	RIN IN V-385 FROM S 34 & STIR 5 MIN				
	142	RECORD: PH 3.7-4.2)				
	143	RIN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5 MIN				
	144	RECORD: PH 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%	7-D		
		SIPHON N-7-D INTO SV				
	145	RUN IN V-330 THRU 20 MESH SCREEN & STIR 20 MIN				
330	146	RUN 11" (216 GAL) WATER INTO V-330				
11	147	DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-48				
		230	20-A	230		
SV	148	RUN V-330 INTO SV IN 15-20 MIN				
12	149	STIR 15 MIN & RECORD: PH 9.0-10.0)				
	150	DO NOT STOP AGITATOR				
		START	FINISH	OPERATOR		
		3:40P	11:00P	235-244		
		11:00PM	11:00AM	381-222		



V-262