CG 03 CODE KY-787-D

DEC 23 80 38381

STANDARD HRS. 10.6 TIME _____ M

PROCESSES
( ) KY-787-S (S)
( ) ( )
( ) ( )
( ) ( )

APPROVED BY
FWP 11/20/80
(XOB-17: 3/4
N-32-D & 240
MIN STRIKE)

JOB NAME: 03KY-787-DMS

OK

CG	CODE	PQ	LOT	LBS
14	YC002B	93	13488	4200
14	YC002B	93		
14	YC002B	93		

Homog #3 — 1ST Pass

DEC 2 1980

TOTAL EST'D WGT 5845

NON-BLEEDING

EQUIP		NAME : "KROLOR" YELLOW MEDIUM	USE LBS	NCODE	ACCT LBS
203 & 263	1	RUN 60"(990 GAL) WATER INTO V-203 WITH AGITATOR ON HIGH SPEED & ADD CAUSTIC	40	7-D	20
	2	WEIGH SODIUM SILICATE INTO DRUM & POUR IN	430	983-D	430
	3	DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
1		RECORD: START 1:P.M. FIN 2:15 P.M. 13488	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~~ 263			
	6	WHEN V-203 MT, WASH COLOR THRU HOMOG WITH MIN HOT WATER AT 2400-2600 PSI INTO V-205			
	7	RECORD: V-263 VOL 58 " & ADJUST TO 60"(2100 GAL)			
	8	INSPECT HOMOG STRAINER & CLEAN IF NECESSARY			
263 & SV	9	RUN 2 "(200 GAL) WATER INTO V-262 START AGITATOR & INSTALL TEMP CHART			
	10	PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV. RECORD: TIME START 430 TOTAL MINUTES 125			
2		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	2465	983-D	2465
	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 1.105 G/ML (1.103-1.105)			
SV	18	WHEN S-11 HOMOG COMPLETE, ADJ SV TO 24"(2420 GAL)			
	19	RECORD: PH 10.0 & ADJ TO 11.1-11.3 WITH CAUSTIC			
4		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 11.2			
	20	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 & 386	21	WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO V-343 & METER IN SULFURIC ACID FROM V-386 MK 31 9.42 /GAL 374 GAL		27-D	361
	22	STIR 15 MIN OR LONGER			
5	23	RECORD: DENSITY 1.024 G/ML (1.023-1.025)			

EQUIP		PAGE 2 CG 03 KY-787-D EST WGT 5845#	USE LBS	N CODE	USE LBS
		262			
	24	WHEN S 20 HEATING COMPLETE, RECORD: PH 10.0			
	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			
SV		AT 190-194*F DURING STRIKE			
	28	RECORD: START FINISH MINUTES			
		V-343 845 1:30 AM 285			
		V-349 100 AM 255			
		V-343 V-349 SV NORMAL			
		TIME INCHES INCHES PH PH			
		AT 20 MIN 905 (37) (16) 10.0 (9.3-10.0)			
		40 MIN 925 (34) (14) 10.0 (9.3-10.0)			
6		1 HR 945 (31) (13) 10.0 (9.3-10.0)			
		2 HR 1045 (23) (9) 10.0 (9.3-10.0)			
		3 HR 1145 (15) (4) 10.0 (9.3-10.0)			
		4 HR 1245 (6) (0) 10.0 (9.3-10.0)			
		FINISH 130 (0) 9.1 (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 8.5 ASSUME 77%	20	27-D	15
330	29	RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO			
7		160-170*F			
	30	ADD DRESINATE "X" IN 12-13 MIN	600	530-A	600
	31	STIR 5 MIN & RECORD: PH 10.2 (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			
8		135-140*F			
	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 2.2 (3.7-4.2)			
	43	RUN IN N-7-D FROM S 36 IN 10-12 MIN & STIR 5			
		MIN			
	44	RECORD: PH 9.5 (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			
	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 9.5 (9.0-10.0)			
	50	DO NOT STOP AGITATOR			
		START FINISH OPERATOR			
		2:30P 3:00P 235			
		3PM 11 282			
		11:00P 4:00P 126			

Sample when Silica all in

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