

CG 03 CODE KY-787-D

11/18/80 37936

STANDARD HRS. 10.6 TIME 3 AM

PROCESSES

APPROVED BY

() KY-787-S (S) FWP 11/3/80

() () (XOB-11: 3/4

() () N-32-D 240

() () MIN STRIKE)

TYPED BY: FWP 11/3/80

CG CODE PR LOT LBS

14 YC002B 93 13190 2000

14 YC002B 93 13175 400

14 YC002B 93 13191 2000

USE FLARE
CAUTION

NOV 20 1980

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	721-D	20
	2 WEIGH SODIUM SILICATE INTO DRUM & POUR IN	420	983-D	420
	3 DUMP IN CHROME YELLOW & STIR 5 MIN	84X50	YC-2-B	4200
	RECORD: START 9:30 PM	13190	2000	
	FIN 11 PM	13175	400	
		13191	2000	
	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 " (200 GAL) WATER INTO V-208 START AGITATOR & INSTALL TEMP CHART			
	10 PUMP V-205 THRU HOMOG AT 4800-5200 PSI INTO SV			
	RECORD: TIME START 8:40 PM TOTAL MINUTES 180			
	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	2415	983-D	2415
	15 RUN 1000# WATER INTO V-384 & PUMP TO V-349			
	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 10.4 & ADJ TO 11.1-11.3 WITH CAUSTIC			
	4 AT 5% (10 PARTS WATER TO 1 PART N-7-D)			
	ASSUME 50%			
	20 SIPHON N-7-D INTO SV & RECORD: PH 11.2			
	21 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 & 384	22 WHILE HEATING SV, RUN 39" (1070 GAL) WATER INTO V-343 & METER IN SULFURIC ACID FROM V-384			
	MK 68, 8.832# / GAL, 40.9 GAL			
	23 STOP 30 MIN OR LONGER			
	RECORD: DENSITY G/ML (1.023-1.025)			

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SV 124 WHEN S 20 HEATING COMPLETE, RECORD: PH 9.8
 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 RECORD: START FINISH MINUTES
 V-343 320 8:10 AM 2.80
 V-349 320 7:23 AM 2.43
 V-343 V-349 SV NORMAL
 TIME INCHES INCHES PH PH
 AT 20 MIN 3:40 (37) (16) 9.8 (9.3-10.0)
 40 MIN 4:00 (34) (14) 9.8 (9.3-10.0)
 1 HR 4:20 (31) (13) 9.8 (9.3-10.0)
 2 HR 5:20 (23) (9) 9.8 (9.3-10.0)
 3 HR 6:20 (15) 17 (4) 9.4 (9.3-10.0)
 4 HR 7:20 (6) 8+ (0) 9.0 (9.3-10.0)
 FINISH 8:05 (0) 2.1 (7.5-8.5)
 NOTE: IF PH DROPS BELOW 9.3 IN FIRST HOUR, STOP
 PUMP & SEE SUPV. IF FINAL PH IS ABOVE
 8.5, ADJ TO 7.5-8.5 ASSUME 77% 27-D

330 7 RUN 35" (600 GAL) WATER INTO V-330 & HEAT TO
 160-170°F
 30 ADD DRESINATE "X" IN 12-13 MIN 600 530-A 600
 31 STIR 5 MIN & RECORD: PH 10.0 (9.5-10.5)
 32 STIR 20 MIN OR LONGER FOR S-45

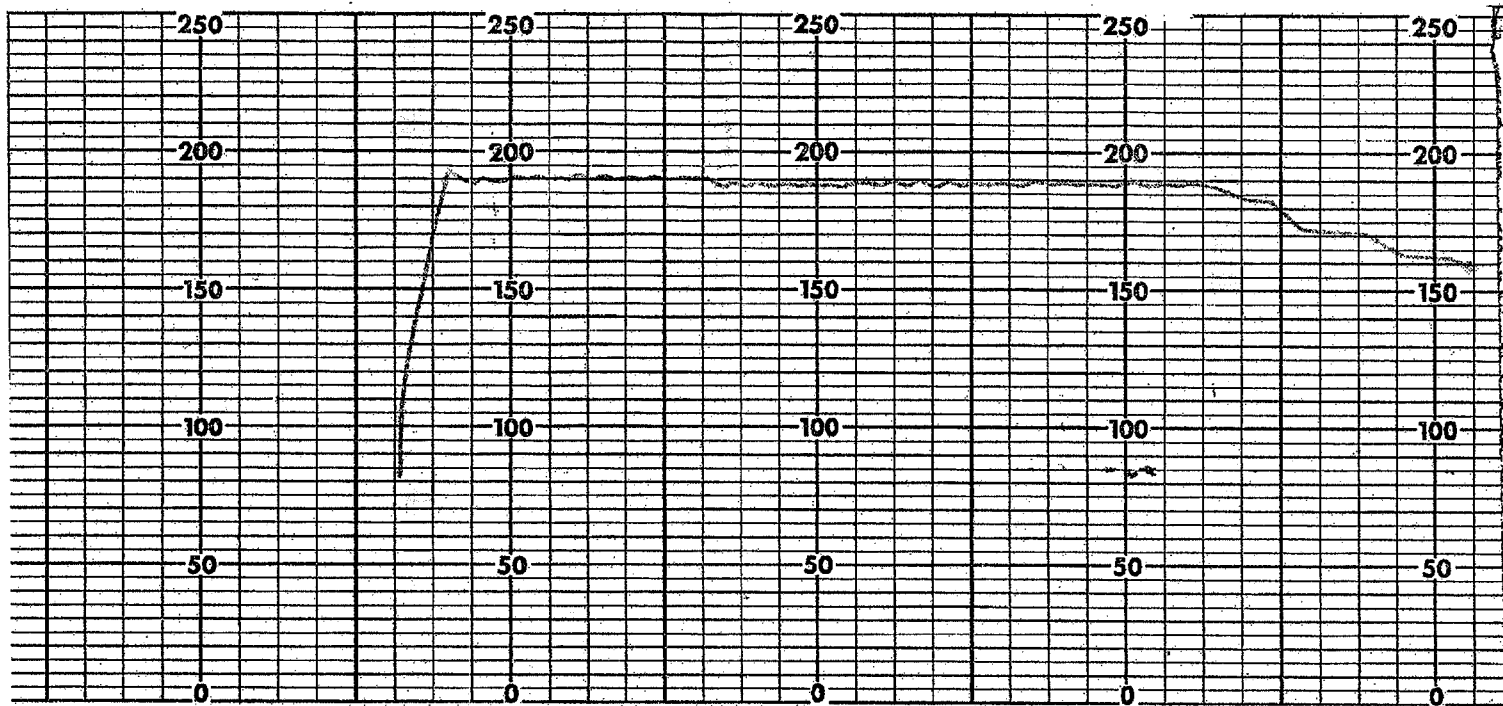
385 8 RUN 40" (308 GAL) WATER INTO V-385 & HEAT TO
 135-140°F
 34 DUMP IN ALUM & STIR TO DISSOLVE FOR S-41 280 15-A 280

302 9 ADD 42" (513 GAL) WATER TO V-302
 36 ADD & STIR 2 MIN FOR S-43 ASSUME 50% 720 720-D 160

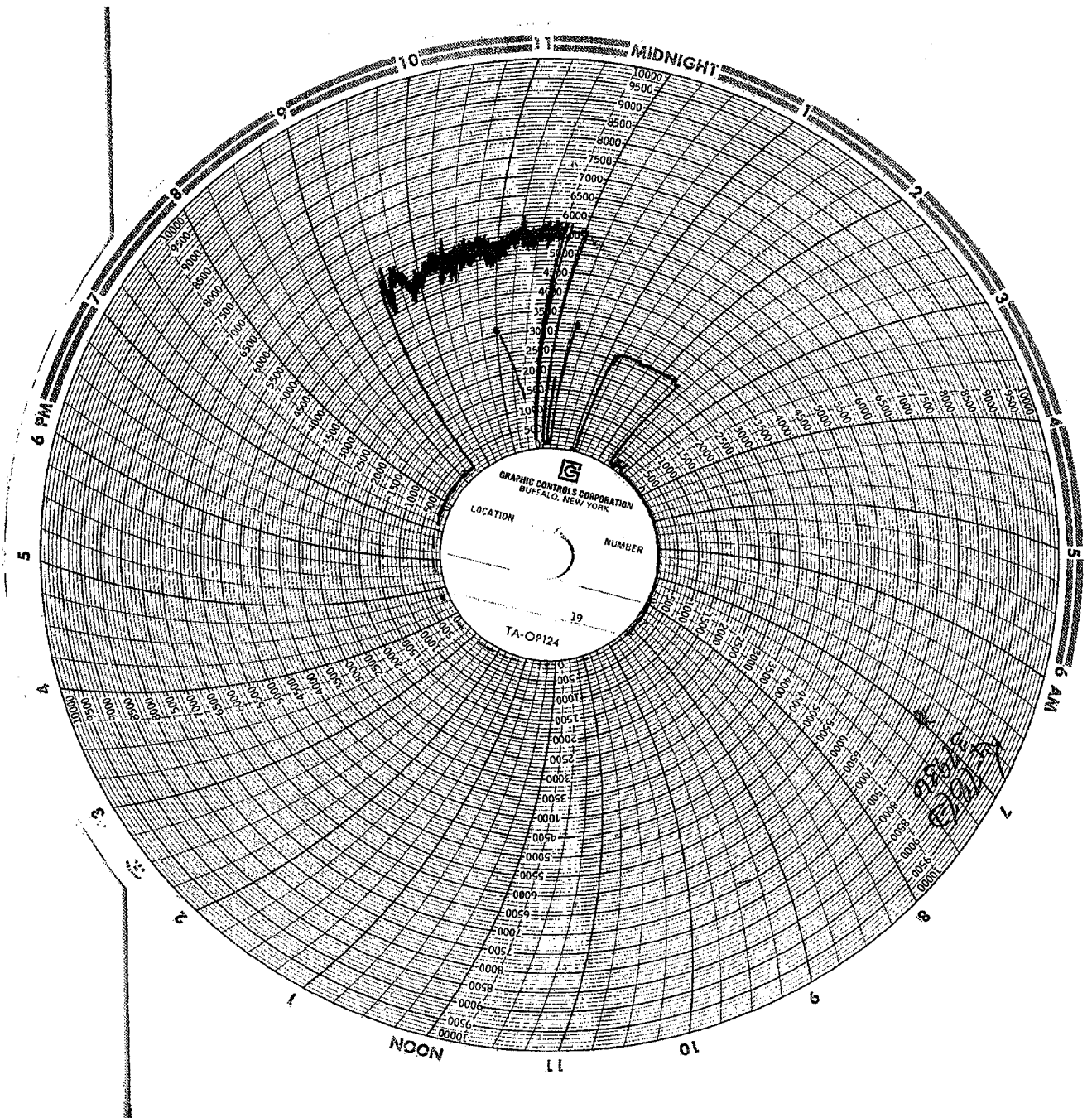
SV 10 37 WHEN V-349 MT, RINSE IN WITH MINIMUM WATER &
 SET PUMP AT ZERO SETTING
 38 WHEN V-343 MT, RINSE IN WITH MINIMUM WATER &
 TURN OFF PUMP MOTOR
 39 TURN OFF STEAM 200 128-A 200
 40 SIFT IN BLANC FIXE
 41 RUN IN V-385 FROM S 34 & STIR 5 MIN
 42 RECORD: PH 3.4 (3.7-4.2)
 43 RUN IN N-7-D FROM S 36 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 11 46 RUN 11" (216 GAL) WATER INTO V-330
 47 DUMP IN CALCIUM CHLORIDE & STIR 5 MIN FOR S-48 230 20-A 230

SV 12 48 RUN V-330 INTO SV IN 15-20 MIN
 49 STIR 15 MIN & RECORD: PH 9.4 (9.0-10.0)
 50 DO NOT STOP AGITATOR
 START FINISH OPERATOR
 3:00 PM 11:00 PM 372
 11 PM 7 AM 282
 2:10 AM 9:50 AM 34-223



GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK



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