DATE PRINTED: 3/01/82 20

S.V. 1 D.V. 260 D.V. 303, 315, 317, 322, 323

CG 40 CODE RT-539-D PKG ___ PROCESSES ( )RT-539-D (N) APPROVED BY JJG 3/18/81 EWK 12/2/81

JUL 20 1982 G2J39 Done

(DATE) (LOT NUMBER) ~~B.O. V-322~~

TYPED BY: JMH JOB= 40RT539DMN

EST. WT. 439# LBS. STANDARD HRS. _____ TIME _____M

PREPARATION NOTES: SUPERVISOR NOTE: DO NOT USE V-303 FOR NAPHTHANILS WHEN CAMPAIGNING DALAMARS YC-39-A, YC-40-A, YT-839-P, YT-840-P, YT-858-D, AND YT-868-D.

EAST-PRESS

SEMI-BLEEDING

EQUIPMENT		NAME: NAPHTHANIL RED DARK	USE LBS	N-CODE	ACCT LBS
MISC 1		NOTE: N24C (4NITRO-2 AMINOANISOLE HYDROCHLORIDE) IS AN EXPERIMENTAL CARCINOGEN. ALTHOUGH MONITORING VERIFIES WE ARE WELL BELOW THE RECOMMENDED EXPOSURE LEVEL, IT IS ESSENTIAL THAT YOU ADHERE STRICTLY TO THE SAFETY RULES WHEN HANDLING N24C. THIS INCLUDES RUBBER GLOVES, LONG SLEEVES, SAFETY GLASSES, RESPIRATOR AND WASH UP AFTERWARDS. SEE YOUR SUPERVISOR IF YOU HAVE QUESTIONS.			
	1	OBTAIN 4-NITRO-2-AMINOANISOLE HYDROCHLORIDE FOR STEP 6		24-C,D	
	2	OBTAIN METANITROANILIDE OF B-HYDROXY NAPHTHOIC ACID FOR STEP 31.		151-C	
	3	CLEAN, DRESS, CLOSE 24" CLARIF PRESS 15 FRAMES			
DV 2	4	RUN 12" (398 G) WATER INTO V-322			
	5	RUN IN HYDROCHLORIC ACID FROM V-324 M 1, 29.89 %	200	28-D	60
	6	DUMP IN FROM S1 LOT #100% % 4-NITRO-2- 594 75.3 AMINOANISOLE HYDROCHLORIDE	216	24-C,D	163
	7	~~WEIGH ON POSTAL SCALE 3 NITRO-4 AMINOANISOLE~~ STIR 15 MIN TO WET ~~LOT~~			
	8	ADJ TO 21" (710G) AT 28-32 DEG F	6X330	57-A	
	9	SIPHON IN SODIUM NITRITE IN 4-6 MIN. M 9, 33.36%	207	725-A	69
	10	STIR 5 MIN & RECORD: CR + (+)KI + (+) NOTE: (1) IF CR-,KI- ADD 20# "AS IS" INCREMENTS. HYDROCHLORIC ACID ASSUME 32% RECORD: CR_____(+) KI_____(+) (2) IF CR+,KI-, ADD 10# "AS IS" INCREMENTS SODIUM NITRITE ASSUME 33% RECORD: CR_____(+) KI_____(+)	—	28-D	—
	11	STIR 30 MIN AT 28-32 DEG F MAINTAINING +CR +KI FOR S17 RECORD TIME START 6:45 AM			
MISC 3	12	SLURRY IN 40 GAL WATER IN DRUM & PRECOAT CLARIF PRESS WITH	5	77-A	5
302 OR 314	13	RUN 5" (60G) WATER INTO V-314			
	14	POUR IN SODIUM HYDROXIDE ASSUME 50%	78	7-D	39
4	15	POUR IN ACETIC ACID & STIR 3 MIN ASSUME 70%	77	30-D	58

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EQUIPMENT		PAGE 2 OF 3 CG 40 CODE RT-539-D (N)	USE LBS	N-CODE	ACCT LBS
4 CONT.	14	RECORD: PH 7.1 (6.5-7.5) & IF NECESSARY			
		ACETIC ACID ASSUME 70%		30-D	
		ADJ TO PH 6.5-7.5 RECORD PH			
		SODIUM HYDROXIDE ASSUME 50%		7-D	
DV 5	17	WHEN S11 STIR COMPLETE, TEST DV & RECORD:			
		CR + (+) KI + (+) TEMP 30 28-32*F		57-A	
		NOTE: (1) IF CR-, KI+, ADD 20# "AS IS" INCRE-			
		MENTS HYDROCHLORIC ACID ASSUME 32%		28-D	
		RECORD: CR_____(+) KI_____(+)			
		(2) IF CR+, KI-, ADD 10# "AS IS" INCREMENTS			
		SODIUM NITRITE ASSUME 33%		725-A	
		RECORD: CR_____(+) KI_____(+)			
	18	WEIGH SULFAMIC ACID IN RUBBER BUCKET AND			
		WASH INTO DV	5	395-D	5
	19	STIR 5 MIN & RECORD: KI VSt (-)			
	20	IF NECESSARY, ADJ TO -KI & RECORD: _____(-)	3	395-D	3
	21	DUMP IN ACTIVATED CARBON	25	113-B	25
	22	DUMP DICALITE FILTER AID IN & STIR 15 MIN.	10	777-A	10
	23	TURN ON V-323 AGITATOR ADD ICE, THEN			920
		SHUT OFF AGITATOR	2X330	57-A	
	23A	PUMP DV THRU CLARIF PRESS INTO DV USED IN			
		S23 MAINTAINING TEMP AT 28-32*F. RECORD:			
		TIME START 8:35 TOTAL MIN 30			
	24	WHEN S23 CLARIF COMPLETE, WASH DV (S4)			
		LINES, PUMP & PRESS FOR 20 MIN OR TO A			
		-CR TEST ON A SMPL OF TOTAL PRESS EFFLUENT,			
		WHICHEVER COMES FIRST, COLLECT WASHINGS IN			
		DV (S23)			
	25	STIR 5 MIN & RECORD: TEMP 28 (28-32 F)			
		AND IF NECESSARY ADJ TO 28-32 DEG F AND		57-A	
		RECORD 28 DEG F			
	26	RECORD: VAT 39 ° AND HOLD FOR S45			
260	27	INSTALL V-260 TEMP CHART & SET AGITATOR AT			
260		16 RPM 260			
	28	RUN IN 20* (1988G) WATER			
330 7 313	29	RUN 23* (457 G) WATER INTO V-330			
	30	SLURRY IN 20G WATER AND POUR IN TRISULPHOIL			
		SOAP D	13	39-A	13
	31	DUMP IN META NITROANILIDE OF B-HYDROXY			
		NAPHTHOIC ACID FROM S2 LOT		151-C	308
		AND STIR 10 MIN. TO WET 7661	200		
		FOR S38. 5434	108		
MISC 8	32	WEIGH SODIUM HYDROXIDE IN BUGGIE & HOLD			
		FOR S35 ASSUME 50%	156	7-D	78
	33	WEIGH ACETIC ACID IN RUBBERLINED DRUM AND			
		HOLD FOR S39 M 2, 68.2 %	85	30-D	58
	34	~~WEIGH BARIUM SULFATE AND HOLD FOR S35~~			
		NOTE: (1)DO NOT PROCEED WITH BATCH (S'S 35			
		THRU 50) UNTIL S26 CLARIFICATION COMPLETE			
		(2) WHEN S26 COMPLETE PROCEED WITH BALANCE			
		OF BATCH WITH NO DELAYS TO PREVENT N-151-C			
		SOL'N HYDROLYSIS RESULTING IN BLUE TINE.			
		(3) SUPV'R WILL PROVIDE RELIEF IF NECESSARY			

EQUIPMENT		PAGE 3 OF 3 CG 40 CODE RT-539-D (N)	USE LBS	N-CODE	ACCT LBS
330 9	35 36 37	WHEN S26 COMPLETE, POUR IN N-7-D FROM S32 HEAT TO 155-162*F AFAP RECORD: MIN 12 STIR 5 MIN TO DISSOLVE FOR S38. RECORD: SOLUTION COLOR OK (DARK BROWN) CLARITY OK (MUST BE CLEAR) NOTE: IF SOLUTION NOT DARK BROWN & CLEAR, HEAT TO 185-192*F AFAP AND RECORD: COLOR_____(DARK BROWN) CLARITY_____(MUST BE CLEAR)			
260	38 39 40 41 42 43 44 45 46 47 48 49 50	WHEN S37 COMPLETE WITH V-105 AGITATOR OFF, IMMEDIATELY RUN N-330 INTO V-105 AFAP IMMEDIATELY TURN ON V-105 AGITATOR & SIPHON IN N-30-D FROM S33 IN 5-8 MIN. STIR 5 MIN ONLY & RECORD PH 11.2 (11.0-12.0) IF NECESSARY, ADJ TO PH 11.0-12.0 SODIUM HYDROXIDE ASSUME 50% RECORD PH_____ ACETIC ACID ASSUME 70% RUN IN V-302 OR V-314 FROM S16 [redacted] HEAT TO 148-152*F IN 15-20 MIN AND RECORD: HT 152 *F AND REC 152 *F WHEN S44 COMPLETE, IMMEDIATELY COUPLE DV UNDERSURFACE IN 65-70 MIN. MAINTAIN CV AT 148-152*F. RECORD START 4:10 P TOTAL MIN 65 STIR 5 MIN & RECORD: DIAZO +_____(- OR +) BASE + MUST BE + PH 4.9 (4.5-5.0) STIR 15 MIN & DISCONNECT TRANSFER LINE AT CV RECORD: START_____ WHEN S47 STIR COMPLETE, TEST CV AND RECORD: DIAZO_____ MUST BE - BASE + (MUST BE +) FOR BOTH HEALTH AND SAFETY REASONS, IF RT-539-D FINISHES WITH A + DIAZO, WHEN IT DRIED, IT CAN PRESENT A THREAT OF FIRE OR EXPLOSION ON GRINDING IN FINISHING AREA. SEE YOUR SUPERVISOR IF THERE ARE ANY QUESTIONS. IF S48 DIAZO IS + AND BASE IS ALSO + SIFT IN 20# N-3-A, SODIUM CARBONATE, & STIR TO - DIAZO. WATCH FOAM. RECORD: DIAZO_____MUST BE - BASE_____MUST BE + PH_____(4.8-5.2) TOTAL MIN SINCE S43_____ FLOOD TO 82" (8126 G) AND STOP AGITATOR	_____	7-D 30-D 3-A	_____ _____

VAT	V-303	V-315	V-317	V-322	V-323
S4 (398G)	16"	12"	12"	12"	12"
S8 (710G)	29"	21"	21"	21"	21"

START	FIN	OPTR
4:30 AM	7:00 AM	237
7:00 PM	2:30 PM	842

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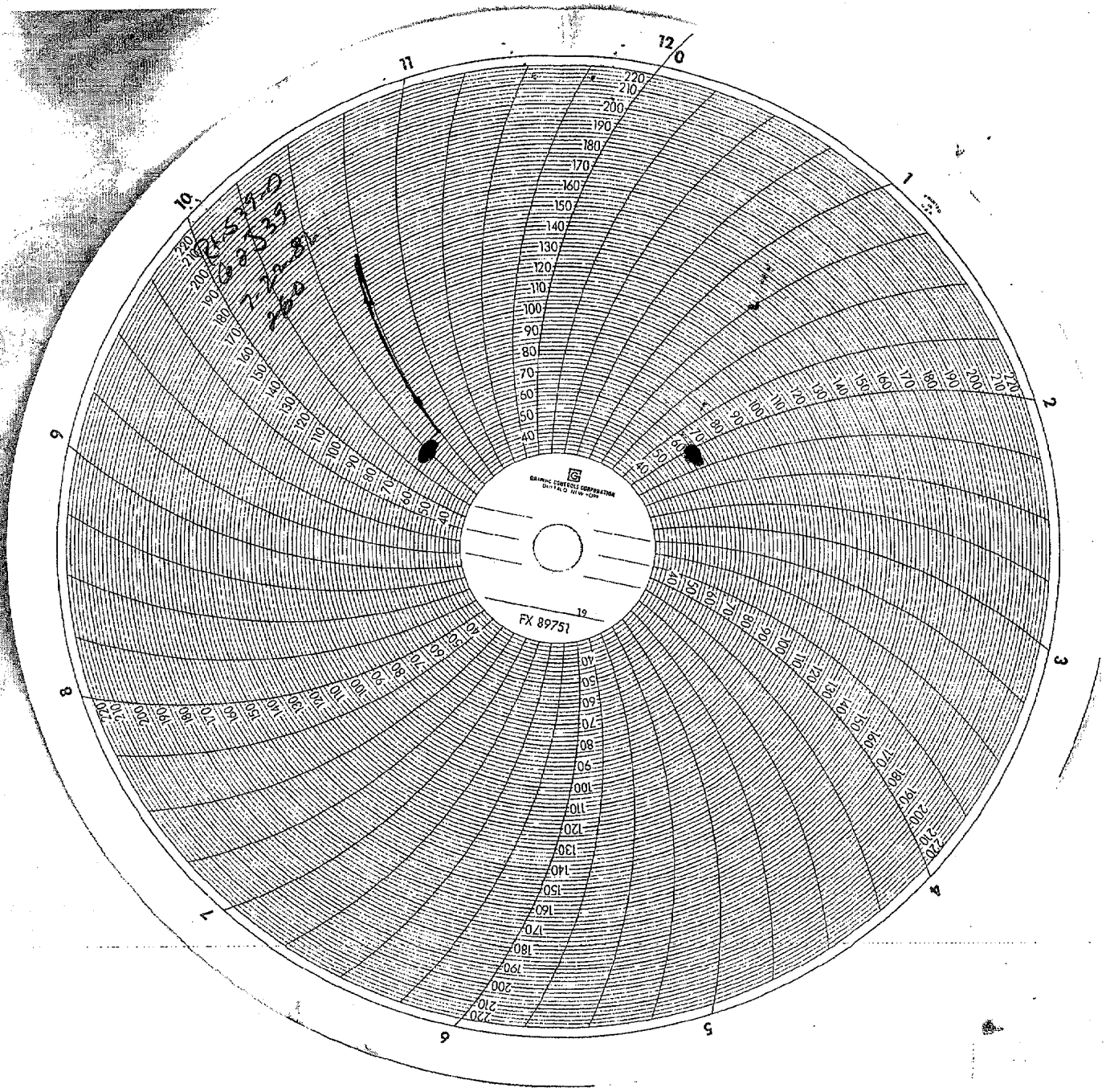

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