

CG 40 CODE RT-539-D PKG

PROCESSES
() RT-539-D (N)APPROVED BY
JYG 3/18/81
EWK 12/2/81

NOV 23 1982

L2K98

(DATE)

(LOT NUMBER)

672

EST. WT. ~~200~~* LBS.

TYPED BY: JMH JOB= 40RT539DMN

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-F, YT-858-D, AND
YT-868-D.

EQUIP MENT	NAME: NAPHTHANIL RED DARK <u>EAST PRESS</u>	USE LBS	N-CODE	ACCT LBS
MISC 1	NOTE: N24C (4-NITRO-2-AMINOANISOLE HYDRO- CHLORIDE) 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 IN- CLUDES 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 2 OBTAIN METANITROANILIDE OF P-HYDROXY NAPHTHOIC ACID FOR STEP 31. <i>Do Not Use wt 840y</i> 3 CLEAN, DRESS, CLOSE 24" CLARIF PRESS - 15 FRAMES		24-C, D 151-C	
DV 2	4 RUN 12" (398 G) WATER INTO V- <u>322</u> 5 RUN IN HYDROCHLORIC ACID FROM V-324 M <u>3</u> , <u>30.84%</u> 6 DUMP IN FROM S1 LOT $\pm 100\%$ <u>279</u> 4-NITRO-2- <u>62.7</u> <u>234</u> <u>71.2</u> AMINOANISOLE HYDROCHLORIDE 7 WEIGH ON POSTAL SCALE 5-NITRO-2-AMINOANISOLE LAB & STIR 15 MIN TO WET 8 ADJ TO 21" (710G) AT 28-32 DEG F 6X330 9 SIPHON IN SODIUM NITRITE IN 4-6 MIN. M <u>12</u> , <u>31.53%</u> <u>314</u> 10 STIR 5 MIN & RECORD: CR <u>+</u> <u>(+) KI</u> <u>+</u> <u>(+)</u> NOTE: (1) IF CR-, KI- ADD 20% "AS IS" IN- CREMENTS. HYDROCHLORIC ACID ASSUME 32% RECORD: CR <u>(+)</u> KI <u>(+)</u> (2) IF CR+, KI-, ADD 10% "AS IS" INCREMENTS SODIUM NITRITE ASSUME 33% RECORD: CR <u>(+)</u> KI <u>(+)</u> 11 STIR 30 MIN AT 28-32 DEG F MAINTAINING +CR +KI FOR S17 RECORD TIME START <u>10:10</u>	279 329 314	28-D 24-C, D 57-A 725-A 28-D 725-A	86 234 1980 99
MISC 3	112 SLURRY IN 40 GAL WATER IN DRUM & PRECOAT CLARIF PRESS WITH	5	777-A	5
302 OR 314	113 RUN 5" (60G) WATER INTO V- <u>314</u> 114 FOUR IN SODIUM HYDROXIDE ASSUME 50% 115 FOUR IN ACETIC ACID & STIR 3 MIN ASSUME 70%	112 119	7-D 30-D	56 83

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EQUIP MENT		PAGE 2 OF 3 CG 40 CODE RT-539-D (N)	USE LBS	N-CODE	ACCT LBS
4 CONT.	16	RECORD: PH <u>6.5</u> (6.5-7.5) & IF NECESSARY ACETIC ACID ASSUME 70% ADJ TO PH 6.5-7.5 RECORD PH _____ SODIUM HYDROXIDE ASSUME 50%		30-D 7-D	
DV 5	17	WHEN S11 STIR COMPLETE, TEST DV & RECORD: CR <u>+</u> (+) KI <u>+</u> (+) TEMP <u>28-32</u> *F NOTE: (1) IF CR-, KI-, ADD 20% "AS IS" INCRE- MENTS HYDROCHLORIC ACID ASSUME 32% RECORD: CR _____ (+) KI _____ (+) (2) IF CR+, KI-, ADD 10% "AS IS" INCREMENTS SODIUM NITRITE ASSUME 33% RECORD: CR _____ (+) KI _____ (+)		57-A 28-D 725-A	
	18	WEIGH SULFAMIC ACID IN RUBBER BUCKET AND WASH INTO DV	7	395-D	7
	19	STIR 5 MIN & RECORD: KI <u>+</u> (-)			
	20	IF NECESSARY, ADJ TO -KI & RECORD: _____ (-)	5	395-D	5
	21	DUMP IN AGITATED BATH	10	777-A	10
	22	DUMP DICALITE FILTER AID IN & STIR 15 MIN.	10	777-A	10
	23	TURN ON V- <u>323</u> AGITATOR ADD ICE, THEN SHUT OFF AGITATOR	2X330	57-A	660
	23A	PUMP DV THRU CLARIF PRESS INTO DV USED IN S23 MAINTAINING TEMP AT 28-32°F. RECORD: TIME START <u>11A</u> TOTAL MIN <u>40</u>			
	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 <u>29</u> (28-32 F) AND IF NECESSARY ADJ TO 28-32 DEG F AND RECORD <u>29</u> DEG F		57-A	
	26	RECORD: VAT <u>29</u> AND HOLD FOR S45			
260 6	27	INSTALL V-260 TEMP CHART & SET AGITATOR AT 16 RPM			
	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	19	39-A	19
	31	DUMP IN META NITROANILIDE OF B-HYDROXY NAPHTHOIC ACID FROM S2 LOT AND STIR 10 MIN. TO WET <u>7661</u> FOR S38. <u>8356</u>	200 242	151-C	442
		Do NOT use 658404			
MISC 8	32	WEIGH SODIUM HYDROXIDE IN BUGGIE & HOLD FOR S35 ASSUME 50%	224	7-D	112
	33	WEIGH ACETIC ACID IN RUBBERLINED DRUM AND HOLD FOR S39 M <u>4</u> <u>68.60</u> %	121	30-D	83
	34	WEIGH SODIUM SULFATE AND HOLD FOR S43 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.			

2/26/82

EQUIP
MENTUSE
LBS

N-CODE

ACCT
LBSNote VERY LOW Steam Pressure 75#

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313

35 WHEN S26 COMPLETE, POUR IN N-7-D FROM S32

36 HEAT TO 155-162°F AFAP RECORD: MIN. 17

37 STIR 5 MIN TO DISSOLVE FOR S38. RECORD:
SOLUTION COLOR 0 K (DARK BROWN)CLARITY clear (MUST BE CLEAR)NOTE: IF SOLUTION NOT DARK BROWN & CLEAR,
HEAT TO 185-192°F AFAP AND RECORD:COLOR 0 K (DARK BROWN)CLARITY clear (MUST BE CLEAR)

RECORD

TIME when you
start N-tally 8:47 AM260
10

38 WHEN S37 COMPLETE WITH V-260 AGITATOR OFF,

IMMEDIATELY RUN N-330 INTO V-260 AFAP

39 IMMEDIATELY TURN ON V-260 AGITATOR & SIPHON
IN N-30-D FROM S33 IN 5-8 MIN.40 STIR 5 MIN ONLY & RECORD PH. 11.5 (11.0-12.0)

41 IF NECESSARY, ADJ. TO PH 11.0-12.0

SODIUM HYDROXIDE ASSUME 50%

RECORD PH. 11.5 ACETIC ACID ASSUME 70%

42 RUN IN V-302 OR V-314 FROM S16

7-D
30-D

44 HEAT TO 148-152°F IN 15-20 MIN AND RECORD:

HT 152 °F AND REC. 156 °F45 WHEN S44 COMPLETE, IMMEDIATELY COUPLE DV
UNDERSURFACE IN 65-70 MIN. MAINTAIN CV AT
148-152°F. RECORD START 11:30 TOTAL MIN. 7546 STIR 5 MIN & RECORD: DIAZO + (- OR +)BASE VVS+ MUST BE + PH 4.5 (4.5-5.0)47 STIR 15 MIN & DISCONNECT TRANSFER LINE AT
CV RECORD: START 11:45

48 WHEN S47 STIR COMPLETE, TEST CV AND

RECORD: DIAZO - MUST BE -BASE VVS+ (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.

49 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 VVS+ MUST BE +PH 4.8 (4.8-5.2)TOTAL MIN SINCE S43 7:15

50 FLOOD TO 82" (8126 G) AND STOP AGITATOR

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"

DELAYED WAITING FOR Steam
N-30-D

START

FIN

OPTR

7:00

3:45

4:38

8:00

1:45

3:22

WATCH DELAYED WAITING FOR
VET * 260 *

DUP050061158

LOT 42K98

CHECK-WEIGH & CALCULATE

NEWARK CHECK-WEIGH[illegible]

