

OCT 14 1982

K2K62

() RT-695-D (B)

JUG 3/18/81

EWK 12/7/81

(- DATE)

(LOT NUMBER)

315

COMTYP JOB NAME = 36RT695DMO

TYPED BY: KIW

EST. WT. 2608* LBS.

STANDARD HRS.

TIME 7 A.M.

PREPARATION NOTES:

Boil out V-317

NON-BLEEDING

EQUIP MENT	NAME: "BON" RED DARK	USE LBS	N-CODE	ACCT LBS
PREP	1 IF NECESSARY, CLEAN, DRESS SPARKLER & PRE- COAT WITH 15% DICALITE FILTER AID.		777-A	
1	2 OBTAIN FOR S 6 2-CHLORO-4-AMINO TOLUENE-5 SULFONIC ACID		740-C	
	3 OBTAIN FOR S 42 3-HYDROXY-2-NAPHTHOIC ACID		82-C	
	X BOIL OUT V317 - CLEAN HOSES & LINES	60	N7	30
317	4 RUN 23" (732G) WATER INTO V-317			
2	5 WEIGH & POUR IN SODIUM HYDROXIDE M 17, 50.16 %	429	7-D	215
	6 TURN ON AGITATOR & STEAM & DUMP IN FROM S 2 2-CHLORO-4-AMINO-TOLUENE-5-SULFONIC ACID		740-C	
	CHECK WEIGHT LOT 100% 98.45 RECORD 314 1039 98.16 RESULTS ON BACK PAGE 308 65 66	1055		1104
	7 WEIGH ON PIPETTE SCALE 2 TOLUENE-5 SULFONIC ACID 1.00 LBS			
	8 DUMP IN ACTIVATED CARBON	50	113-B	50
	9 DUMP IN DICALITE, FILTER AID	10	777-A	10
	10 HEAT TO 214-216 DEG. F WATCH FOAM			
	11 RECORD: BY (+), IF NECESSARY ADJUST TO + BY SODIUM HYDROXIDE ASSUME 50%		7-D	
	12 STIR 30 MIN. AT 212-214 DEG. F, THEN SHUT OFF STEAM. WATCH FOAM			
	NOTE RECORD: SPARKLER PRESSURE ON PSI IF NOT ZERO, NOTIFY SUPERVISOR			
	13 CIRCULATE 15 MIN OR LONGER THRU SPARKLER UNTIL SOLUTION IS CLEAR			
	MAINTAIN AT 190-195 DEG. F FOR S 15			
	RECORD: HT 193 DEG. F & RECORDER 195 DEG. F			
	RECORD: START 1130 TOTAL MIN 22 CLARITY OK			
100	14 RUN #1 (99G) WATER INTO V-100			
3	15 WHEN S-13 COMPLETE, PUMP V 317 THRU SPARKLER. MAINTAIN V-317 AT 190-195 DEG. F			
	RECORD: START 1130 TOTAL MIN 22			
	SAMPLE FROM HOSE. SHOW TO SUPV'R FOR OK			

OCT 19 1982

(JPL)

EQUIP MENT		PAGE 02 OF 04 CG 36 CODE RT-695-D (0)	USE LBS	N-CODE	ACCT LBS
317 4	16 17	WHEN S 13 COMPLETE, CLOSE V-317 OUTLET & STOP PUMP RUN IN 7" (216G) WATER & HEAT TO 190-195 DEG F			
317 CONT'D 4	18	CIRCULATE THRU SPARKLER UNTIL SOLUTION IS CLEAR MAINTAIN AT 190-195 DEG. F FOR S 19 & RECORD: HT. <u>190</u> DEG. F & RECORDER RECORD: START <u>1155</u> TOTAL MIN <u>75</u> CLARITY <u>OK</u>			
100 5	19 20 21 22 23 24 25	WHEN S 18 IS COMPLETE, PUMP V-317 THRU SPARKLER INTO V-100 RUN IN 5" (90G) WATER & HEAT TO 190-195 DEG. F CIRCULATE 15 MIN THRU SPARKLER, PUMP V-317 THRU SPARKLER INTO V-100 WHEN MT. BLOW OUT SPARKLER INTO V-100 HEAT TO 165-170 DEG. F (TAKE 1 QT. SAMPLE) (WITH AGITATION ON) TEST FOR CLARITY OF SOLUTION. SHOW 1 QT. SAMPLE TO SHIFT SUPERVISOR FOR APPROVAL (EXAMPLE OF ACCEPTABLE CLARIFICATION OF N-740-C IS AVAILABLE IN OFFICE TO COMPARE WITH) IF S 23 IS OK, CONTINUE WITH S 25. IF S 23 IS NOT ACCEPTABLE, RECLARIFY THRU SPARKLER IF S 23 IS OK, REHEAT V-100 TO 165-170 DEG. F FOR S 26			
100 6	26 27 28 29 30	ADJ TO 16" (1590G) HEAT V-100 TO 165-170 DEG. F RUN IN V-324 HYDROCHLORIC ACID THRU DIRECT LINE AND RINSE IN M <u>2</u> 31.01% STIR 15 MIN AT 165-170 DEG. F ADJ TO 50" (4970G) AT 34-38 DEG. F RECORD: TEMP <u>32</u> DEG. F AND IF NECESSARY 50X330 ADJ TO 34-38 DEG. F & RECORD: TEMP _____ DEG. F	1428	28-D 57-A 57-A	443 16506
107 7	31 32 33 34 35 36 37 38 39	RUN 45" (4320G) WATER INTO V-107 TURN ON AGITATOR AND STEAM AND DUMP IN MANGANESE SULPHATE DUMP IN BARIUM SULPHATE HEAT TO 150-160 DEG. F AND STIR RECORD: PH <u>7.5</u> (5.0-5.5) IF PH ABOVE 5.5, ADJ TO PH 5.5 OR LOWER SULFURIC ACID ASSUME 78% RECORD: PH <u>5.1</u> NOTE: IF PH BELOW 5.0, DO NOT ADJ UPWARD HOLD FOR S 58	1400 250 2	336-B 65-A 27-D	1400 250 1

EQUIP MENT		PAGE 03 OF 04 CG 36 CODE RT-695-D (0)	USE LBS	N-CODE	ACCT LBS
322 8	40	RUN IN 47" (1610G) WATER INTO V-322			
	41	WEIGH AND POUR IN SODIUM HYDROXIDE			
		M <u>12</u> <u>50.16</u> %	937	7-D	470
	42	DUMP IN FROM S 3 3-HYDROXY-2-NAPHTHOIC ACID		82-C	470
		<i>Check weight & blend</i>	399		939
		<i>result on page</i>	500		
		<i>LOT 8291</i>	40		
		<i>8293</i>	15		
		<i>8292</i>			
	43	WEIGH 1-HYDROXY-2-NAPHTHOIC ACID ON POSTAL		180-C	115
		BALANCE AND ADD LOT <u>20103</u>			
	44	HEAT TO 70-90 DEG. F			
	45	SIFT IN BLANCOL N IN ONE TO TWO MINUTES	27	567-B	27
	46	DUMP IN TETRASODIUM PYROPHOSPHATE & STIR 5	6	479-D	8
		MIN OR LONGER TO DISSOLVE			
313/ 302 9	47	WEIGH SODIUM NITRITE & POUR INTO V- FOR S 50		725-A	365
		M <u>9</u> <u>33.36</u> %	1094		
322 10	48	ADJ V-322 TO 65" (2240G) AT 77-80 DEG. F			
		& RECORD: TEMP <u>80</u> DEG. F			
	49	SLURRY TRISULPHOIC SOAP D WITH 30 GALS	160	39-A	160
		WATER IN DRUM. POUR IN AND STIR 5 MIN.			
100 11	50	RUN IN N-725-A FROM S 47 AFAP INTO V-100			
	51	STIR 30 MIN AT 36-38 DEG. F MAINTAINING			
		CR, +KI		57-A	
	52	RECORD: TIME START <u>130</u> , CR <u>+</u> KI <u>+</u>			
		TEMP <u>36</u> DEG. F			
		NOTE:			
		(1) IF CR-, KI- ADD 20# "AS IS" INCREMENTS			
		HYDROCHLORIC ACID ASSUME 32%		28-A	
		RECORD: CR <u>+</u> , KI <u>+</u>			
		(2) IF CR+, KI- ADD 20# "AS IS" INCREMENTS			
		SODIUM NITRITE ASSUME 33%		725-A	
		RECORD: CR <u>+</u> , KI <u>+</u>			
		TEMP <u> </u> DEG. F			
	53	COUPLE V-322 THRU UNDERSURFACE DISTRIBUTOR			
		INTO V-100 IN 90-110 MIN (USE 9/16" ORIFICE)			
		RECORD: START <u>2 AM</u> TOTAL MIN <u>105</u>			
	54	WHEN S 53 COMPLETE STIR 15 MIN			
	55	RECORD: DIAZO <u>-</u> (-); BASE <u>+</u> (+)			
		PH <u>9.5</u> (7.0-8.0) TEMP <u>60</u> DEG. F (60-65 F)			
		NOTE:			
		(1) IF PH IS 5.0-7.0, WEIGH AND DUMP IN			
		30# "AS IS" N-7-D DILUTED TO 30 GAL			
		AFAP SODIUM HYDROXIDE ASSUME 50%		7-D	
		(2) (FOR PH ADJUSTMENTS USE ONLY DILUTED			
		N-28-D AND N-7-D)			
	56	ADJ TO PH 9.0-9.5 (SEE ATTACHED PH ADJ AID)			
		HYDROCHLORIC ACID ASSUME 32%		28-D	
		(1) IF PH IS 6.5-7.0, WEIGH 40# AS IS			
		N-7-D POUR INTO 50 GAL WATER (1/2			
		FULL) IN FT & RUN INTO CV 100 IN 15			
		MIN & RINSE IN FT. STIR 5 MIN &			
		RECORD: PH <u> </u> (9.0-9.5)			

EQUIP
MENT

PAGE 04 OF 04 CG 36 CODE RT-695-D (0)

USE
LBS

N-CODE

ACCT
LBS100
11
CONT

2) IF PH IS 7.0-7.5, WEIGH 35# AS IS N-7-D
POUR INTO 50 GAL WATER (1/2 FULL) IN PT &
RUN INTO CV 100 IN 15 MIN. & RINSE IN PT.
STIR 5 MIN & RECORD: PH _____ (9.0-9.5)
3) IF PH IS 7.5-8.0, WEIGH 30# AS IS N-7-D
POUR INTO 50 GAL WATER (1/2 FULL) IN PT &
RUN INTO CV 100 IN 15 MIN. RINSE IN PT.
STIR 5 MIN & RECORD: PH _____ (9.0-9.5)
4) IF PH IS 8.0-8.5, WEIGH 10# AS IS N-7-D
POUR INTO 50 GAL WATER (1/2 FULL) IN PT &
RUN INTO CV 100 IN 15 MIN. & RINSE IN PT.
STIR 5 MIN & RECORD: PH _____ (9.0-9.5)
5) IF PH IS 8.5-8.9, WEIGH 5# AS IS N-7-D
POUR INTO 50 GAL WATER (1/2 FULL) IN PT &
RUN INTO CV 100 IN 15 MIN. & RINSE IN PT.
STIR 5 MIN & RECORD: PH _____ (9.0-9.5)

6) IF PH IS ABOVE 9.5, DO NOT ADJUST
RECORD: PH _____ SODIUM HYDROXIDE ASSUME 50%
NOTE: ADD N-28-D IN 5# 'AS IS' INCREMENTS
TO APPROACH PH 9.0-9.5 THEN USE
LESS N-28-D HYDROCHLORIC ACID
(CONCENTRATED N-28-D & N-7-D AND TOO LOW
COUPLING TEMPERATURE CAUSES MASSTONE TO
GO TOO LIGHT)
SHUT OFF AGITATOR

7-D

107
12

DURING S 53 HEAT V-107 TO 210-212 DEG. F
& SHUT OFF STEAM
NOTE: IF NECESSARY REHEAT V-107 TO 210-
212 DEG. F PRIOR TO START OF STRIKE
PUMP V-100 INTO V-107 IN 70-75 MIN.
LET V-107 TEMP DROP TO 200-205 DEG. F
DURING STRIKE THEN MAINTAIN AT 200-205 DEG.
F FOR BALANCE OF STRIKE WITH AGITATOR SHUT
OFF IN V-100
RECORD: START 420 TOTAL MIN 120
WHEN STRIKE COMPLETE, HEAT TO 210-212 DEG. F
STIR 15 MIN AT 210-212 DEG. F
FLOOD TO 180-190" (18240G)
RECORD: PH 6.9 (6.5-7.2) AND STOP
AGITATOR

START
11PM
7:00 AM

FINISH

11PM
7:45 AM

OPERATOR

120
582

Rec VAT 107 AT 145 AM

CHECK-WEIGH & CALCULATE

NEWARK CHECK-WEIGH

[illegible]

348
18
330

344
18
326

348
18
324



