

SEP 27 1982

K21139

() RT-695-D (0)

JJG 3/18/81

EWK 12/7/81

(* DATE)

(LOT NUMBER)

COMTYP JOB NAME = 36RT695DMO

TYPED BY: KLW

EST. WT. 2608* LBS.

STANDARD HRS.

TIME 11 P. M.

PREPARATION NOTES:

~~HOSE OUT V-317 GOOD DONE~~~~RED COAT SPARKLER DONE~~

NON-BLEEDING

EQUIP MENT	NAME: "BON" RED DARK	USE LBS	N-CODE	ACCT LBS
PREP	IF NECESSARY, CLEAN, DRESS SPARKLER & PRE-			
1	COAT WITH 15% DICALITE FILTER AID	15	777-A	15
	2 OBTAIN FOR S 6 2-CHLORO-4-AMINO TOLUENE-5-		740-C	
	SULFONIC ACID			
	3 OBTAIN FOR S 42 3-HYDROXY-2-NAPHTHOIC ACID		82-C	

317	4	RUN #3 (732G) WATER INTO V-317			
2	5	WEIGH & POUR IN SODIUM HYDROXIDE			
		M. 11 50.09	489	7-D	215
	6	TURN ON AGITATOR & STEAM & DUMP IN FROM S 2			
		2-CHLORO-4-AMINO-TOLUENE-5-SULFONIC ACID		740-C	
133		LOT 100% 98.54	325		1103
		310 330 783	797		
		308 783			
	7	WEIGH ON POSTAL SCALE 2-AMINO-TOLUENE-5-			
		SULFONIC ACID & ADD LOT 282	1	584-C	1
	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 0 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 197 DEG. F & RECORDER 195 DEG. F			
		RECORD: START TOTAL MIN 20 CLARITY 0.4			

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 TOTAL MIN 20			
		SAMPLE FROM HOSE. SHOW TO SUPV'R FOR OK			

MAKING INSTRUCTIONS: BATCH UNIT

EQUIP MENT		FACE 02 OF 04 CG 36 CODE RT-695-D (0)	USE LBS	N-CODE	ACCT LBS
317 4	16	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>194</u> DEG. F & RECORDER RECORD: START <u>7:10</u> TOTAL MIN <u>15</u> CLARITY <u>OK</u>			
100 5	19	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 5	26	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> <u>31.01</u> % <u>1429</u> STIR 15 MIN AT 165-170 DEG. F ADJ TO 50" (4970G) AT 34-38 DEG. F RECORD: TEMP <u>34</u> DEG. F AND IF NECESSARY 50X330 ADJ TO 34-38 DEG F & RECORD: TEMP <u>34</u> DEG. F <u>34330</u>		28-D 57-A 57-A	443 <u>16500</u> <u>9900</u>
107 7	31	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>6.7</u> (5.0-5.5) IF PH ABOVE 5.5, ADJ TO PH 5.5 OR LOWER SULFURIC ACID ASSUME 78% RECORD: PH <u>5.9</u> NOTE: IF PH BELOW 5.0, DO NOT ADJ UPWARD HOLD FOR S 58	1400 250 <u>2</u>	336-B 65-A 27-D	1400 250 <u>2</u>

EQUIP MENT		PAGE 03 OF 04 CG 36 CODE RT-695-D (0)	USE LBS	N-CODE	ACCT LBS
322 B	140	RUN IN 47" (1610G) WATER INTO V-322			
	141	WEIGH AND POUR IN SODIUM HYDROXIDE			
		M. <u>11</u> , <u>50.09%</u>	<u>938</u>	7-D	470
	142	DUMP IN FROM S 3 3-HYDROXY-2-NAPHTHOIC ACID		82-C	934
		LOT <u>8107</u>	<u>750</u>		
		<u>8110</u>	<u>184</u>		
	143	WEIGH 1-HYDROXY-2-NAPHTHOIC ACID ON POSTAL	20	180-C	20
		BALANCE AND ADD LOT <u>11226</u>			
	144	HEAT TO 70-90 DEG. F			
	145	LIFT IN BLANCOL N IN ONE TO TWO MINUTES	27	567-B	27
	146	DUMP IN TETRASODIUM PYROPHOSPHATE & STIR 5	8	479-D	8
		1 MIN OR LONGER TO DISSOLVE			
313/ 302 9	147	WEIGH SODIUM NITRITE & POUR INTO V- <u>313</u>		725-A	365
		FOR S 50 M. <u>9</u> , <u>33.36%</u>	<u>1094</u>		
322 10	148	ADJ V-322 TO 65" (2240G) AT 77-80 DEG. F			
		& RECORD: TEMP <u>79</u> DEG. F			
	149	SLURRY TRISULPHOIC SOAP D WITH 30 GALS	160	39-A	160
		WATER IN DRUM. POUR IN AND STIR 5 MIN.			
100 11	150	RUN IN N-725-A FROM S 47 AFAP INTO V-100			
	151	STIR 30 MIN AT 36-38 DEG. F MAINTAINING			
		+CR, +KI		57-A	
	152	RECORD: TIME START <u>1:50AM</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			
	153	COUPLE V-322 THRU UNDERSURFACE DISTRIBUTOR			
		INTO V-100 IN 90-110 MIN (USE 9/16" ORIFICE)			
		RECORD: START <u>2:50AM</u> TOTAL MIN <u>100</u>			
	154	WHEN S 53 COMPLETE STIR 15 MIN			
	155	RECORD: DIAZO <u>+</u> (-), BASE <u> </u> (+)			
		PH <u>6.9</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%	<u>30</u>	7-D	<u>15</u>
		(2) (FOR PH ADJUSTMENTS USE ONLY DILUTED			
		N-28-D AND N-7-D)			
156		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 PT & RUN INTO CV 100 IN 15			
		MIN & RINSE IN PT 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 LBS
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100 2) IF PH IS 7.0-7.5, WEIGH 35# AS IS N-7-D
11 POUR INTO 50 GAL WATER (1/2 FULL) IN PT &
CONT 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 8.2 (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 9.15 (9.0-9.5)
6) IF PH IS ABOVE 9.5, DO NOT ADJUST
RECORD: PH 9.15 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
BE TOO LIGHT)
58 SHUT OFF AGITATOR

107 59 DURING S 53 HEAT V-107 TO 210-212 DEG. F
12 & SHUT OFF STEAM
NOTE: IF NECESSARY REHEAT V-107 TO 210-
212 DEG. F PRIOR TO START OF STRIKE
60 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 6:45 AM TOTAL MIN 75
61 WHEN STRIKE COMPLETE, HEAT TO 210-212 DEG. F
62 STIR 15 MIN AT 210-212 DEG. F
63 FLOOD TO 180-190" (18240G)
RECORD: PH 6.6 (6.5-7.2) AND STOP
AGITATOR

START	FINISH	OPERATOR
4:20 PM	11:00 AM	037
11 PM	7 AM	114
7 PM	8:20 A	438



