

C. P. 16042 & CHECKED

MAKING INSTRUCTIONS: BATCH UNIT

D.V. 303, 315, 317, 322, 323

CG 40 CODE RT-531-D PKG.

JUL 14 80 36508

JUL 17 1980

EST. WGT. 665 LBS.

STD. HRS. TIME 38 M.

PROCESSES	APPROVED BY
() RT-531-D (N)	BBK 04-25-77
(C) RT-160-P ()	DCG 04-26-77
() ()	MTW 04-27-77
() ()	
TYPED BY	
emw042977	

LEAVE ONE STUMP ONLY

CLEAN UP
AS YOU GO ALONG
NON-BLEEDING

IPMENT	NAME: NAPHTHANIL® RED LIGHT	USE LBS.	N CODE	ACCT. LBS.
Prep 1	1 Obtain for S 6		504-C	
	2 Obtain for S 18		150-C	
	3 Clean, dress, close 24" clarif press - 15 frames WEST			
DV 2	4 Run 20" (486 G) water into V-302			
	5 Run in from V-324 M 6 30.85 % 408		28-D	126
	6 Dump in from S 1 Lot 4735		504-C	210
	7 Add & stir 15 min to wet Lot 278 % 6/15 2 896-C			
	8 Add to 43" (1020 G) at 40-45°F 3x 330 57-A 990			
	9 Pour in AFAP M 9 33.62 % 283 725-A 95			
	10 Stir 5 min & Record: CR + (+) M KI + (+), Temp 40 (40-45°F) M		28-D	
	11 Stir 10 min at 40-45°F maintaining + CR & + KI for S 13		725-A	
	Record: Start 450/PM CR + (+), KI + (+)		57-A	
Misc 3	12 Slurry in 40 Gal water in drum & precoat clarif press	5	777-A	5
DV 4	13 When S 11 stir complete, dump in	15	113-A	15
	14 Dump in	10	777-A	10
	15 Stir 30 min at 40-45°F maintaining + KI for S 23		725-A	
	Record: Start 500/PM KI + (+)		57-A	
330 5	16 Run 13" (177 G) water into V-330			
	17 Slurry in 25 G water & pour in	16	39-A	16
	18 Dump in from S 2 & stir 30 min or longer to wet Lot		150-C	370
	Record: Start 545/PM JAPAN 320			
302 6	19 Run 12" (144 G) water into V-302			
	20 Pour in Assume 50% 58 7-D 29			
	21 Siphon in & stir 3 min M 9 79.08 % 54 30-D 43			
	22 Record: pH 6.14 (6.7-7.5) Assume 50% 2 7-D 1			
	If necessary adj to 6.7-7.5, Record: pH 6.4 Assume 75%		30-D	

EQUIPMENT	PAGE 2 CG 40 CODE RT-531-D (N)	EST. WGT. 665	LBS.	USE LBS.	N CODE	ACC LBS.
DV 7	23 Pump DV thru clarif press into V-223 maintaining temp at 40-45°F. Record: Start <u>6:35/24</u> Total Min <u>20</u> NOTE: Do not use V-303 - too small			2 x 330	57-A	
	24 When S 23 clarif complete, wash DV (S 4) lines, pump & press for 20 min or to a -CR test on a sample of total press effluent, whichever comes first collect washings in DV (S 23) Record: Start <u>7:45/20</u> CR <u>57</u> (- or +)					
	25 When S 24 is complete, test DV (S 23) & Record: KI (+), Temp <u>45</u> (40-45°F)				725-A 57-A	
	26 Weigh in Rubber Bucket & Rinse in & stir 3 min			10	395-D	10
	27 Record: KI <u>-</u> Must be - & If necessary adj to - KI			10	395-D	10
	28 Adj to <u>56</u> " (1925 G) at 40-45°F			1 x 330	57-A	
260 8	29 Run <u>39</u> (3900 G) water into V-260					
	30 Install Temp Chart & Set Agitator at 16 RPM					
330 9	31 When S-18 stir complete pour in, in 3-4 min Assume 50%			220	7-D	110
	32 Heat to 128-132°F AFAP & stir 5 min to dissolve. Stop agitator					
260 10	33 Immediately run V-330 AFAP into CV. No agitation in CV Record: Start <u>6:55/19</u> Total Min <u>14</u>					
	34 Pour in & stir 5 min M <u>9</u> , <u>79.0</u> % <u>190</u>				30-D	150
	35 Record: pH <u>11.0</u> (10.5-11.0) Assume 50% If necessary adj to pH 10.5-11.0 Record: pH Assume 75%				7-D 30-D	
	36 Run in V-302 AFAP					
	37 Dump in			35	65-A	35
	38 Heat to 78-82°F & Record: HT <u>82</u> °F & Rec <u>82</u> °F					
	39 When S 28 complete, couple DV undersurface in 65-70 min Maintain CV at 78-82°F Record: Start <u>10:55/70</u> Total Min <u>70</u>					
	40 Record: Diazo <u>-</u> (- or +) Base <u>+</u> Must be + pH <u>4.5</u> (4.2-4.6)					
	41 If necessary stir to - diazo Record: Start <u>10:55/20</u> Total Min <u>20</u> Record: Diazo <u>-</u> Must be - Base <u>+</u> Must be + pH <u>4.8</u> (4.2-4.6)					
Misc 11	42 Dissolve in 30 G water at 130-140°F in drum for S 43			30	567-B	30
260 12	43 Pour in N-567-B sol'n from S 42					
	44 Heat to 194-196°F in 55-60 min & Record: HT <u>195</u> °F & Rec <u>198</u> °F					
Misc 13	45 Dissolve in 35 G water at 140-150°F in drum for S 46			60	15-A	60
260 14	46 When S 44 heating complete, pour in N-15-A sol'n from S 45 into CV. <u>11:50 PM</u>					
	47 Stir 30 min at 194-196°F					
	48 Flood to <u>80</u> " (<u>79.5</u> G) & stop agitator					
	VAT	V-303	V-315	V-317	V-322	V-323
	S 4 (486 G)	20"	14"	14"	14"	14"
	S 8 (1020 G)	43"	30"	30"	30"	30"
	START <u>11:00 PM</u>	FIN <u>12:30 AM</u>	OPTR <u>86</u>			

