

S.V.

C.V. 260

MAKING INSTRUCTIONS: BATCH UNIT

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

CG 40 CODE RT-531-D

PKG.

PUNCHED & CHECKED

→ JUL 10 80

36487

EST. WGT. 650 LBS.

JUL 10 1980

STD. HRS. TIME 11A M

22

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

EQUIPMENT		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 14" (486 G) water into V-317			
	5	Run in from V-324 M 6, 30.85 %		28-C	126
	6	Dump in from S 1 Lot 4251		504-C	210
	7	Add & stir 15 min to wet Lot 2.59 % 50.6		596-C	1
	8	Adj to 20" (1020 G) at 40-45°F 3x 330		57-C	990
	9	Pour in AFAP M 7, 33.62 %		725-C	95
	10	Stir 5 min & Record: CR + (+) M, KI + (+), Temp 40 (40-45°F) M		725-C	
	11	Stir 10 min at 40-45°F maintaining + CR & + KI for S 13	5X330	57-C	1650
	12	Record: Start 10:48 AM CR + (+), KI + (+)		725-C	
	13	Slurry in 40 Gal water in drum & precoat clarif press	5	777-C	5
Misc 3	14	When S 11 stir complete, dump in	15	11-C	15
	15	Dump in	10	777-C	10
	16	Stir 30 min at 40-45°F maintaining + KI for S 23		725-C	
330 5	17	Record: Start 11:00 AM KI + (+)		57-C	
	18	Run 13" (177 G) water into V-330			
	19	Slurry in 25 G water & pour in	16	30-C	16
	20	Dump in from S 2 & stir 30 min or longer to wet Lot 71017	370	15-C	370
302 6	21	Record: Start 2:00 PM			
	22	Run 12" (144 G) water into V-302			
	23	Pour in Assume 50%	50	77-C	29
	24	Siphon in & stir 3 min M 9, 79.08 %		30-C	43
	25	Record: pH 6.7 (6.7-7.5) Assume 50%			
		If necessary adj to 6.7-7.5, Record: pH Assume 75%		30-C	

EQUIPMENT		PAGE 2 CG 40 CODE RT-531-D (N) EST. WGT. 665 LBS.	USE LBS.	N CODE	ACCT. LBS.
DV 7	23	Pump DV thru clarif press into V-323 maintaining temp at 40-45°F. Record: Start <u>12:15 PM</u> Total Min <u>30</u> NOTE: Do not use V-303 - too small	2 x 330	57-A	660
	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>12:50 PM</u> CR - (- or +)			
	25	When S 24 is complete, test DV (S 23) & Record: KI <u>+</u> (+), Temp <u>46</u> (40-45°F)		725-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		395-D	
	28	Adj to <u>55</u> " (1925 G) at 40-45°F	1 x 330	57-A	330
			<u>2 x 330</u>	<u>57-A</u>	<u>660</u>
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>2:20 PM</u> Total Min <u>10</u>			
	34	Pour in & stir 5 min M <u>9</u> , <u>79.08</u> %	<u>190</u>	<u>39-D</u>	<u>150</u>
	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%			
	36	Run in V-302 AFAP			
	37	Pump in	<u>20</u>	<u>61-A</u>	<u>20</u>
	38	Heat to 78-82°F & Record: HT <u>79</u> °F & Rec <u>80</u> °F			
	39	When S 28 complete, couple DV undersurface in 65-70 min Maintain CV at 78-82°F Record: Start <u>3:50 PM</u> Total Min <u>70</u>			
	40	Record: Diazo <u>u-u-u</u> (- or +) Base <u>+</u> Must be + pH <u>4.3</u> (4.2-4.6)			
	41	If necessary stir to - diazo Record: Start <u>6:00 PM</u> Total Min <u>30</u> Record: Diazo <u>-</u> Must be - Base <u>+</u> Must be + pH <u>4.3</u> (4.2-4.6)			
Misc 11	42	Dissolve in 30 G water at 130-140°F in drum for S 43			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>196</u> °F			
Misc 13	45	Dissolve in 35 G water at 140-150°F in drum for S 46			60
260 14	46	When S 44 heating complete, pour in N-15-A sol'n from S 45 into CV			
	47	Stir 30 min at 194-196°F			
	48	Flood to <u>80"</u> (<u>7900 G</u>) & 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"			
		NOTE: Sol'n meeting 1/2 spec			
		Wt. TCE 5 1/2 lbs			
		START 7:00 PM FIN 3:00 PM OPTR 2:37			
		330 out of 300 PM 1:30 PM 381			
		S 25			

