

C.V. (260) D.V. 315, 317, 322, (323) (361)

CG 40 CODE RT-539-D PKG.

EST. WGT. 486 LBS.

STD. HRS. TIME 3 P.M.

PROCESSES () RT-539-D (N) APPROVED BY () EWK 10-25-77
 () RC-15-A () DCG 10-25-77
 () () MTM 10-31-77
 TYPED BY ()
 11c 11-14-77

Note: N24-C () is a suspected carcinogen.
 Handle with all precautions using recommended protective equipment.
 Gloves, respirator & safety glasses.

EQUIPMENT	NAME: NAPHTHANTHIO RED DARK	USE LBS.	N CODE	ACCT. LBS.
Misc 1	1 Obtain for S 6		24-C	
	2 Obtain for S 31		151-C	
	3 Clean, dress, close 24" clarif. press - 15 frames			
DV 2	4 Run 12" (398 G) water into V-			60
	5 Run in from V-324 M 13 3.68%		28-D	31
	6 Dump in from S 1 LOT 4100%		24-C	151
	7 Add & stir 15 min to wet LOT 278		896-C	2
	8 Add to 21" (710 G) at 28-32°F		57-A	10.50
	9 Siphon in in 8-12 min M 13 33.47%		725-A	69
	10 Stir 5 min & Record: CR (+); KI (+)		28-D	
	Note: (1) If CR-, KI-, add 20# "as is" increments Assume 32%			
	Record: CR (+); KI (+)		725-A	
	(2) If CR+, KI-, add 10# "as is" increments Assume 33%			
	Record: CR (+); KI (+)			
	11 Stir 30 min at 28-32°F maintaining +CR, +KI for S 17			
	Record: Time Start 8:45			
Misc 3	12 Slurry in 40 Gal water in drum & precoat clarif press with	5	777-A	5
302	13 Run 5" (60 G) water into V-			
br 314	14 Pour in Assume 50%	78	7-D	39
	15 Pour in & stir 3 min Assume 78%	77	30-D	58
	16 Record: pH 6.5-7.5 & if necessary Assume 75%		30-D	
	add to pH 6.5-7.5 Record: pH 6.6 Assume 50%		7-D	3
DV 5	17 When S 11 stir complete, test DV & Record:			
	CR (+); KI (+); Temp: 28-32°F		57-A	
	Note: (1) If CR-, KI-, add 20# "as is" increments Assume 32%		28-D	
	Record: CR (+); KI (+)			
	(2) If CR+, KI-, add 10# "as is" increments Assume 38%		725-A	
	Record: CR (+); KI (+)			
	18 Weigh in rubber bucket & wash into DV	5	395-D	5
	19 Stir 5 min & Record: KI (-)			
	20 If necessary, add to -KI & Record: KI (-)		395-D	
	21 Dump in	25	113-A	25
	22 Dump in & stir 15 min	10	777-A	10
	23 Pump DV thru clarif press into V-2 maintaining temp at 28-32°F	2 x 330	57-A	660
	Record: Time Start 9:22 Total min			

EQUIPMENT	PAGE	CG	40	CODE	RT-539-D (N)	EST. WGT.	486	LBS.	USE	N	ACC
									LBS.	CODE	LBS.
24	24	When S 23 clarif complete, wash DV (S 4) lines, pump & press									
25	25	For 20 min or to a -BA test on a sample of total press									
26	26	effluent, whichever comes first, collect washings in DV (S23)									
27	27	Stir 5 min & record: Temp. 32 (28-32°F) & if necessary,									
28	28	adj to 28-32°F Record: VF									
29	29	Record: Vol. 24 & hold for S 42									
30	30	Install V-260 temp chart & set agitator at 10 rpm									
31	31	Run in 20# (1985 G) water									
32	32	Run 23# (450 G) water into V-330									
33	33	Stir in 20 G water & pour in						13	30-A	13	
34	34	Dump in from S 2 & stir 70 min to wet						200	151-C	308	
35	35	Pour in						107			
36	36	Heat to 155-162°F AFAP Record: Min						200			
37	37	Stir 5 min to dissolve						107			
38	38	Record: Solution Color (Dark Brown)									
39	39	Clarity (Must be Clear)									
40	40	Note: If solution not dark brown & clear, heat to 185-192°F									
41	41	AFAP & Record: Color (Dark Brown)									
42	42	Clarity (Must be Clear)									
43	43	Immediately run V-330 into CV, no agitation in CV									
44	44	Immediately start agitator & siphon in in 15-20 min M/L 82.55							30-D		
45	45	Stir 5 min & Record: pH 11.0 (10.5-11.0)									
46	46	If necessary, adj to pH 10.5-11.0 Assume 50%							7-D		
47	47	& Record: pH 11.0 Assume 75%							30-D	20	
48	48	Run in V-302 or V-314									
49	49	Dump in									
50	50	Heat to 148-152°F in 15-20 min & record: HT 15.5 F & Rec. 15.5									
51	51	When S 26 complete, couple DV undersurface in 65-70 min									
52	52	Maintain CV at 148-152°F Records: Start 11.1 Total Min 6.5									
53	53	Record: Diazo (- or +), Base must be +									
54	54	pH 4.5 (4.5-5.0)									
55	55	Stir 15 min Record: Start									
56	56	When S 44 stir complete, test CV &									
57	57	Record: Diazo must be - Base + must be +									
58	58	pH 4.5 (4.5-5.0)									
59	59	If S 45 diazo is + and base is also +, sift in 20# N-3-A								3-A	
60	60	& stir to + diazo. WATCH FOAM									
61	61	Record: Diazo must be - Base must be +									
62	62	pH (4.8-5.2) Total min since S 43									
63	63	Flood to 82" (8126 G) & stop agitator									
64	64	START									
65	65	5:30A									
66	66	7:00A									
67	67	7:00A									
68	68	7:00A									
69	69	7:00A									
70	70	7:00A									
71	71	7:00A									
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