

V. CG 46 CODE YC-11-A PKG. c.v. 105, 106 D.V. 300, 315, 317, 322, 323

NOV-25 80 38040

EST. WGT. 2238 LBS.

STD. HRS. TIME 7A M 987

PROCESSES		APPROVED BY
(D) YC-11-A	()	EWK 9-27-77
() ALTERNATE	()	BBK 10-17-77
()	()	DCG 11-29-77
()	()	MTW 12-1-77
TYPED BY		
JIC 12-8-77		

NON-BLEEDING

EQUIPMENT	NAME	USE LBS.	N CODE	ACCT. LBS.
Prep 1	BALAMAR® YELLOW			
	1 Obtain for S 6		157-C	
	2 Obtain for S 22		46-C	
	3 Clean dress, close 24" clarif press - 15 frames			
DV 2	4 Run 10" (323 G) water into V- 300			
	5 Weigh in from V-324 M 11, 3087 %	1484	28-D	458
	6 Dump & rinse in drums from S 1		157-C	974
	LOT # 100%			
	245 135 70.8	190		
	245 136 71.8	190		
	245 136 71.6	190		
	245 135 71.7	190		
	245 135 70.8	190		
	245 137 72.0	190		
	245 137 69.6	190		
	304 28 79.2	35		
Misc 3 DV 4	7 Stir 10 min or longer to wet			
	8 Adj to 33" (1155 G) at 28-32°F			
	9 Siphon in in 12-15 min M 13, 33.47 %	10 x 330	57-A	3960
	10 Stir 30 min at 28-32°F maintaining + CR, + KI for S 12	1180	725-A	395
	Record: Time Start 4:40 PM CR + (+), KI + (+)			
	Note:			
	(1) If CR -, KI -, add 20# "as is" increments Assume 32%		28-D	
	Record: CR (+), KI (+)			
	(2) If CR +, KI -, add 20# "as is" increments Assume 33%			
	Record: CR (+), KI (+)			
	11 Slurry in 40 gal water in drum & precoat clarif press with	5	777-A	5
	12 When S 10 stir complete, dump in	15	113-A	15
	13 Dump in	10	777-A	10
	14 Stir 30 min at 28-32°F maintaining + CR, + KI for S 20		57-A	
	Record: Time Start 4:40 PM CR + (+), KI + (+)			
	Note:			
	(1) If CR -, KI -, add 20# "as is" increments Assume 32%		28-A	
	Record: CR (+), KI (+)			
	(2) If CR +, KI -, add 20# "as is" increments Assume 33%		725-A	
	Record: CR (+), KI (+)			

N35203

EQUIPMENT	PAGE 2 CG 46 CODE (D)YC-11-A Alt EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACGT. LBS.
CV 5	15 Run 10" (970 G) water into V-105 & install temp chart 16 Pour in M % 17 Adj to 40" (3904 G) at 66-70°F 18 Close stack damper 19 Stir for S 22	466 3 x 330	N-721 57-A	466
DV 6	20 When 14 stir complete, test DV & Record: CR + (+), KI + (+), Temp: 30 (28-32°F) Note: (1) If CR-, KI-, add 20# "as is" increments Assume 32% Record: CR (+), KI (+) (2) If CR+, KI-, add 20# "as is" increments Assume 33% Record: CR (+), KI (+) 21 Pump DV thru clarif press into V-315 maintaining temp at 28-32°F Record: Time Start 5:20 PM Total Min 65	2 x 330	57-A 28-A 725-A 57-A	
CV 7	22 Dump into CV from S 2 LOT # 100% % Note: Break up lumps 576 23 Stir 10 min to dissolve 24 Open stack damper 25 Run in undersurface in 20-25 min M // 76.63% 26 Stir 5 min & Record: pH 5.5 (5.8-6.3) 27 If necessary, adj to pH 5.8-6.3 & Record: pH 5.9 (5.8-6.3) Assume 50% Assume 77%	1265 15	46-C 30-D 30-D	1265 713 15
DV 8	28 When S 21 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 21) Record: Time Start 8:25 AM CR - (- or +) 29 Stir 5 min & Record: Temp 28 (28-32°F) & if necessary, adj to 28-32°F. Record: °F 30 Weigh in rubber bucket & wash into DV 31 Stir 5 min & Record: KI + (-) 32 If necessary, adj to -KI & Record: KI - (-) 33 Record: DV 79 "	10 50	57-A 395-D 395-D	10 50
Misc 9	34 Weigh in drums for S 41 M % 35 Dissolve in 20 gal water in drum for S 43	296 62	N-721 979-A	296 62
CV 10	36 When S 33 complete, adj CV to 48" (4685 G) at 80-84°F 37 Check accuracy: HT 84 °F & Recorder 84 °F 38 Immediately run in DV thru undersurface distributor in 60-65 min. Maintain CV at 80-84°F Record: Time Start 9:00 AM Total Min 65 39 When S 38 complete, stir 10 min			

EQUIPMENT	PAGE 3 CG 46 CODE (D)VC-11-A Alt. EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACCT LBS.
CV 10 Cont'd	40 Record: Diazo (-), Base + (+), pH 4.1 (4.3-4.7) Note: (1) If Diazo +, Base -, and pH below 4.3: (a) adj to pH 4.3-4.7 Assume 50% (b) Record: pH (2) If Diazo +, Base -, and pH 4.3 or above: (a) add 8# 100% N-7-D to a 55 G drum (b) adj with water to ± 25 G (c) add 20# 100% N-46-C (d) stir to dissolve (e) pour into CV (f) stir 10 min (3) Repeat (1) & (2) above as necessary to - Diazo, + Base 41 Pour in N-7-D from S 34 & stir 5 min 42 Record: pH 8.1 (8.0-8.5) & if necessary Assume 50% adj to pH 8.0-8.5. Record: pH 8.2 Assume 32% 43 Dump in N-979-A from S 35 44 Heat to 200-204°F in 58-62 min 45 Stir 60 min at 200-204°F. Record: Time Start 1:05 AM 46 Flood to 94" (9174 G) & stop agitator			
	START FIN OPTR 3:00 PM 11:00 PM 301 11:00 PM 2:05 AM 322			

VC-11-A
38049
H-15-30
V-105

