

c.v. 105, (106)

D.V. (300, 315) 317, 322, 323

CG 46 CODE YC-11-A PKG.

NOV -3 80 37694

EST. WGT. 2238 LBS.

STD. HRS. TIME 7A M

PROCESSES		APPROVED BY	
(0) 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			

TKL

EWK 12-3-77

NON-BLEEDING

JIPMENT	NAME: DALAMAR® YELLOW	USE LBS.	N CODE	ACCT. LBS.
Prep 1	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- 328			
	5 Weigh in from V-324 M 10 3135 %	1461	28-D	458
	6 Dump & rinse in drums from S 1		157-C	974
	LOT # 100% %			
	270 115 65.6	175		
	270 115 67.0	175		
	278 112 64.2	175		
	270 109 62.0	175		
	270 99 53.8	175		
	278 111 63.6	175		
	270 100 57.4	175		
	253 142 70.0	200		
	252 73 63.6	115		
	Stir 10 min or longer to wet			
	8 Add to 33" (1155 G) at 28-32°F	10 x 330	57-A	2300
	9 Siphon in in 12-15 min M 12 3316 %	1267	725-A	420
	10 Stir 30 min at 28-32°F maintaining + CR, + KI for S 12			
	Record: Time Start 130, 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 (+)			
Misc 3	11 Slurry in 40 gal water in drum & precoat clarif press with	5	777-A	5
DV 4	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 2PM, 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 (+)			

EQUIPMENT	PAGE 2 CG 46 CODE (D)YC-11-A Alt. EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACC LBS.
CV 5	16 Run 10" (970 G) water into V-106 & install temp chart			
	17 Pour in M %	466	728-D	466
	18 Adj to 40" (3904 G) at 66-70°F	3 x 330	57-A	460
	19 Close stack damper			
	20 Stir for S 22			
DV 6	21 When 14 stir complete, test DV & Record: CR + (+), KI + (+), Temp: 30 (28-32°F)		57-A	
	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 (+)			
	22 Pump DV thru clarif press into V-35 maintaining temp at 28-32°F Record: Time Start 230PM Total Min 110	3 x 330	57-A	990
CV 7	23 Dump into CV from S 2 LOT # 100% %		46-C	1265
	Note: Break up lumps			
	01550 400 950 422			
	01480 600 97.0 618			
	01560 200 95.2 210			
	01540 65 96.6 67			
	24 Stir 10 min to dissolve			
	25 Open stack damper			
	26 Run in undersurface in 20.25 min M 11 % 76.3 %	930	30-D	713
	27 Stir 5 min & Record: pH 5.8 (5.8-6.3)			
	28 If necessary, adj to pH 5.8-6.3 & Record: pH (5.8-6.3)	Assume 80% Assume 77%	728-D 30-D	
DV 8	29 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 4:30 P.M., CR/S + (- or +)			
	30 Stir 5 min & Record: Temp 30 (28-32°F) & if necessary, adj to 28-32°F. Record: °F		57-A	
	31 Wash in rubber bucket & wash into DV	30	395-D	40
	32 Stir 5 min & Record: KI (-)			
	33 If necessary, adj to -KI & Record: KI + (-)		395-D	
	34 Record: DV 30 "			
Misc 9	35 Weigh in drums for S 41 M %	296	728-D	296
	36 Dissolve in 20 gal water in drum for S 43	62	979-A	62
CV 10	37 When S 33 complete, adj CV to 48" (4685 G) at 80-84°F			
	38 Check accuracy: HT 84°F & Recorder 84°F			
	39 Immediately run in DV thru undersurface distributor in 60-65 min. Maintain CV at 80-84°F			
	Record: Time Start 4:50 P.M. Total Min. 62			
	40 When S 38 complete, stir 10 min			

EQUIPMENT	PAGE	CG	46	CODE (D)	YC-11-A Alt. EST. WGT.	2238	LBS.	USE LBS.	N CODE	ACC LBS
CV 10 Cont'd	40	Record: Diazo — (-), Base + (+), pH 4.4 (4.3-4.7)								
		Note:								
		(1) If Diazo +, Base -, and pH below 4.3:								
		(a) adj to pH 4.3-4.7								
		(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 5.6 (8.0-8.5) & if necessary								
		adj to pH 8.0-8.5. Record: pH 8.1								
		Assume 50%								
		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 8:30/P.M.								
	46	Flood to 94" (9174 G) & stop agitator								
	47	Record: TEMP 180°F								
		START								
		10:30								
		3 P.M.								
		FIN								
		3 P.M.								
		OPTR								
		287								
		54								

