

cell 2784 263

V.

C.V. 105 106

MAKING INSTRUCTIONS: BATCH UNIT

CG 46 CODE YC-11-A PKG. 93

FEB 27 34604

EST. WGT. 2238 LBS.

STD. HRS. TIME

PUNCHED & CHECKED

FEB 29 1977

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

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

Note: Red to follow clarification.
Will clarify using in-line filter. Will not use
Clar. press.

WEST PRESS

NON-BLEEDING

EQUIPMENT	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 glass, glass 24" clarif press frames			
DV 2	4 Run 10" (323 G) water into V- 323			
	5 Weigh in from V-324 M 3 , 30.96%	1477	28-D	458
	6 Dump & rinse in drums from S 1		157-C	(974)
	Hand Reno LOT # 100%			
	# 8 198 134 72.2 185			
	2 173 100 50.0 200			
	4 173 108 53.8 200			
	6 198 107 58.0 185			
	16 198 134 72.4 185			
	15 198 125 67.8 185			
	5 198 107 58.0 185			
	15 197 103 54.2 190			
	1 173 56 46.0 122			
	7 Stir 10 min or longer to wet			
	8 Add to 33" (1155 G) at 28-32°F	10 x 330	57-A	3330
	9 Siphon in in 12-15 min M 3 , 33.46%	1210	725-A	405
	10 Stir 30 min at 28-32°F maintaining + CR, + KI for S 12			
	Record: Time Start 7:45 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 (+)			
Miss 8	11 Dump in 48 gal water in drum & precoat clarif press with			
DV 4	12 When S 10 stir complete, dump in	15	113-A	15
	13 13			
	14 Stir 30 min at 28-32°F maintaining + CR, + KI for S 20		57-A	
	Record: Time Start 1:00, 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%	50	725-A	
	Record: CR (+), KI (+)			

EQUIPMENT	PAGE	CG	46	CODE (D)	YC-11-A	Alt. EST. WGT.	2238	LBS.	USE LBS.	N CODE	ACCT. LBS.
CV 5	15	Run 10" (970 G) water into V-	103	& install temp chart					770	7-D	466
	16	Run in 106 219LL	CB	M	3	48.04 %					
	17	Adj to 40" (3904 G) at 66-70°F						3 x 330	57-A		
	18	Close stack damper									
	19	Stir for S 22									
DV 6	20	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 (+)									
	21	Pump DV thru 10" line & filter into V- 315 maintaining temp						2 x 330	57-A	660	
		at 28-32°F Record: Time Start 11:25 AM Total Min 150									
CV 7	22	Dump into CV from S 2	LOT	# 100%	%				46-C	1265	
		Note: Break up lumps	92560	1265	92.4	1369					
	23	Stir 10 min to dissolve									
	24	Open stack damper									
	25	Run in undersurface in 20.25 min	M	4	72.64 %	982			30-D	713	
	26	Stir 5 min & Record: pH (5.8-6.3)									
	27	If necessary, adj to pH 5.8-6.3 &							7-D		
		Record: pH 6.3 (5.8-6.3)							30-D		
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 1:15 PM, CR - (- or +)									
	29	Stir 5 min & Record: Temp 32 (28-32°F) &						2 x 330	57-A	660	
		if necessary, adj to 28-32°F. Record: 30 °F									
	30	Weigh in rubber bucket & wash into DV						10	395-D	10	
	31	Stir 5 min & Record: KI - (-)									
	32	If necessary, adj to -KI & Record: KI (-)							395-D		
	33	Record: DV 60 "									
Misc 9	34	Weigh in drums for S 41	M	3	48.04 %	616			7-D	296	
	35	Dissolve in 20 gal water in drum for S 43						62	979-A	62	
CV 10	36	When S 33 complete, adj CV to 48" (4685 G) at 80-84°F									
	37	Check accuracy: HT 80 °F & Recorder 82 °F									
	38	Immediately run in DV thru undersurface distributor in									
		60-65 min. Maintain CV at 80-84°F									
		Record: Time Start 2:45 PM Total Min 70									
	39	When S 38 complete, stir 10 min									

EQUIPMENT		PAGE <u>3</u> CG <u>46</u> CODE (D)YC-11-A Alt. EST. WGT. <u>2238</u> LBS.	USE LBS.	N CODE	ACCT. LBS.
CV 10 nt'd	40	Record: Diazo <u>-</u> (-), Base <u>+</u> (+), pH <u>4.4</u> (4.3-4.7)			
		Note:			
		(1) If Diazo +, Base -, and pH below 4.3:			
		(a) adj to pH 4.3-4.7 Assume 50%		7-D	
		(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		7-D	
		(b) adj with water to $\pm$ 25 G			
		(c) add 20# 100% N-46-C		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 <u>11.3</u> (8.0-8.5) & if necessary Assume 50%	<u>8</u>	7-D	<u>4</u>
		adj to pH 8.0-8.5. Record: pH <u>8.3</u> Assume 32%	<u>50</u>	28-D	<u>16</u>
	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 <u>7:35 PM</u>			
	46	Flood to 94" (9174 G) & stop agitator			
		START <u>8:00 AM</u> FIN <u>3:00 PM</u> OPTR <u>227-001</u>			
		<u>3:00 PM</u> <u>8:45 PM</u> <u>842</u>			

