

S.V.

C.V.

105, 106

MAKING INSTRUCTIONS: BATCH UNIT

CG 45 CODE YC-5-A

PKG. 93

JAN 28

34083

EST. WGT. 2131

LBS.

STD. HRS. 8.4

TIME

3 P M

D.V. 300 315 317 322 323

PROCESSES

APPROVED BY

(D) YC-5-A

() ENR 9/23/76

() ALTERNATE

() DCG10/ 6/76

()

() MTW10/11/76

()

()

TYPED BY

NE 3/5/77

Note: ~~DONOT USE N-157c Lot 165, 173, 174 or 175~~• ~~DONOT USE IV-46c Lot 92150~~

BLEEDING

EQUIPMENT	NAME: "DALAMAR" YELLOW	USE LBS.	N CODE	ACCT. LBS.
Prep 1	1 Obtain for S 6 DONOT USE Lot 165, 173, 174 or 175		157-C	
	2 Obtain for S 23 DONOT USE Lot 92150		46-C	
	3 Clean, Dress, Close 24" clarif press - 15 Frames			
DV 2	4 Run 10" (323 G) water into V-			
	5 Weigh in from V-324 M 1 31.76 %	1389	28-D	441
	6 Dump & rinse in drums from S1		157-C	938
	Lot # 100% %			
	179 121 60.4 200			
	179 123 61.4 200			
	179 126 62.8 200			
	176 126 63.7 200			
	176 120 59.8 200			
	176 133 60.6 200			
	178 136 63.2 200			
	178 53 67.7 78			
	7 Stir 10 min or longer to wet			
	8 Add DV to 37" (1295 G) at 28-32 °F	10x330	57-A	1300
	9 Siphon in in 12-15 min M 1 33.52 %	1187	725-A	398
	10 Stir 30 min at 28-32°F mainting + CR; + KI for S13			
	Record: Time start 9:53 P, CR + KI +			
	Note: (1) 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%		725-A	
	Record: CR (+); KI (+)			
Misc 3	11 Slurry in 50 gal water in drum & precoat clarif press with	5	777-A	5
	12 Slurry in 20 gal water in drum for S 20	82	39-A	82
DV 4	13 when S 10 stir complete, dump in	10	777-A	10
	14 Dump in	15	113-A	15
	15 Stir 30 min at 28-32°F mainting + CR; + KI for S21			
	Record: time start 12:25 P; CR + KI +		57-A	
	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%		725-A	
	Record: CR (+); KI (+)			

EQUIPMENT	PAGE 2	CG 46	CODE (D)YC-5-A ALT	EST. WGT.	2131	LBS.	USE LBS.	N CODE	ACCT. LBS.
CV 5	16	Run 20" (970 G) water into V-106	Install temp chart						
	17	Pour in	M 2	49.46%		1909		7-D	447
	18	Adj to 37" (3611 G) at 66-70 °F				3x330		57-A	
	19	Close stack Damper							
	20	Pour in N-39-A slurry from S 12 & Stir for S 23							
DV 6	21	When 15 stir complete test DV & Record:							
		CR + (+); KI + (+); Temp 30 28-32°F						28-D	
		Note: (1) if CR-KI add 20# "As Is" increments Assume 32%							
		Record: CR + (+); KI + (+)						725-A	
		(2) if CR+KI add 20# "As Is" increments Assume 33%							
		Record: CR + (+); KI + (+)							
	22	Pump DV thru clarif press into V-315 maintaining				2x330		57-A	660
		Temp at 28-32°F Record: time start 1:55 total min 15							
CV 7	23	Dump into CV from S2 Lot #100 %						46-C	1240
		Note: break up lumps							
		924.60 199 - 93.5				852			
		921.50 200 - 92.2				217			
		920.80 200 - 95.8				213			
		21.583 41				41			
	24	Stir 10 min to dissolve							
	25	Open stack Damper							
	26	Run in undersurface in 20-25 min M 2	14.01 %			1926		30-D	685
	27	Stir 5 min & Record: pH 5.9 (5.8-6.3)							
	28	If necessary adj to pH 5.8-6.3 & Assume 50%						7-D	
		Record: pH (5.8-6.3) Assume 77%						30-D	
DV 8	29	When S 22 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 22)							
		Record: time start 2:05 CR - (- or +)						57-A	
	30	Stir 5 min & record: Temp 28 (28-32°F) & 0°F							
		if necessary adj to 28-32°F. Record: 0°F							
	31	Record: Vol 54							
CV 9	32	When S 31 complete, adj CV to 44" (4268 G) at 80 - 84°F							
	33	Check accuracy: HT 82 °F & Recorder 85 °F							
	34	Immediately run in DV thru undersurface distributor							
		in 60-65 min. maintain CV at 80-84°F							
		Record: Time start 12:45 total min 6.5							
	35	Stir 10 min							
	36	Record: Diazo - (-) Base + (+) pH 4.4 (4.3-4.7)							
		Note: (1) If Diazo +, Base - & pH below 4.3, adj to							
		pH 4.3-4.7 Record: pH Assume 50%						7-D	
		(2) if Diazo +, Base - & pH above 4.3, add 8# 100% Assume 50%						7-D	
		N-7-D to A 55 Gal drum Adj with water to ± 25 Gal.							
		Add 20# 100% N-46-C & stir to dissolve. Pour in						46-C	
		DV & stir 10 min							
		(3) Repeat above AS necessary to - diazo, + Base							
	37	Heat to 190-194°F in 58-62 min							
	38	Stir 30 min at 190-194°F Record: Time Start 2:40 AM							
	39	Flood to 94" (9174 G) & stop Agitator							
		START 7:30 P 11:00 P.M.				FIN 11:20 P.M. 3:30 A.M.		OPTN 4:30 5:31	

