

S.V. : 243, 244, 246, 247, (262)

C.V.

PUNCHED & CHECKED

D.V.

MAKING INSTRUCTIONS: BATCH UNIT

CG 03 CODE KY-787-D PKG.

→ 34538

EST. WGT. 1090 990 LBS.

STD. HRS. 10.6 TIME

14 YC-2-B 93 4 Lot 24062, 2000#

14 YC-2-B 93 4 Lot 24064, 400#

14 YC-2-B 93 4 Lot #

PROCESSES	APPROVED BY
() KY-787-D (p)	
() Alternate ()	
()	() FWK 9/22/76
()	() DCG 9/22/76
TYPED BY	MTW 9/30/76
NE 2/12/77	

FEB 29 1977

Homog #4 - 1st Pass

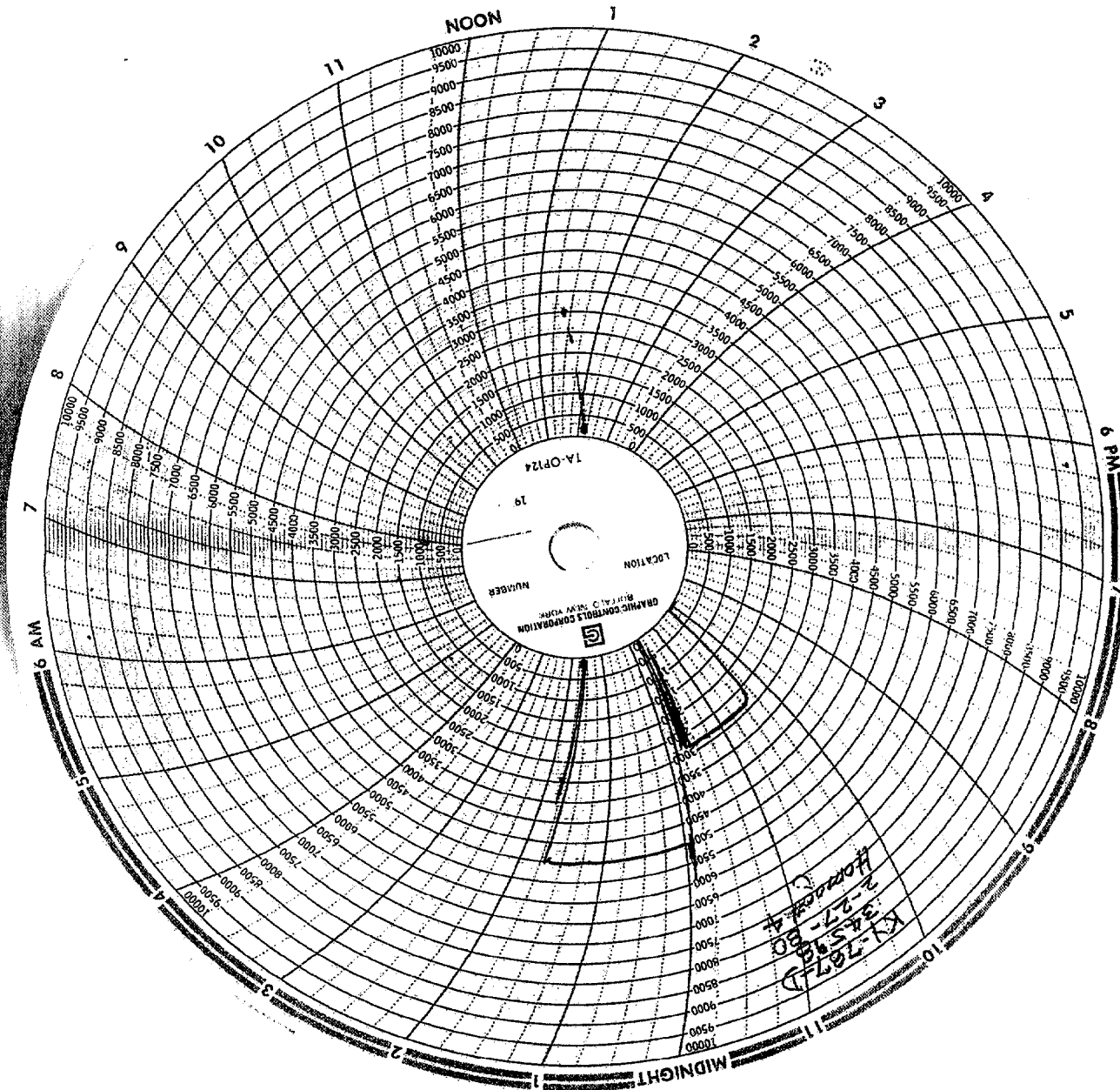
Total Wgt. 3490# Req()

NON-BLEEDING

EQUIPMENT	NAME	USE LBS.	N CODE	ACCT. LBS.
203 & 205 1	1 Run 33" (560 G) water into V-203. <i>Set agitator on high speed.</i>			
	2 Weigh in drum & pour in	320	32-D	320
	3 Dump in & stir 5 min	48 x 50	YC-2-B	2400
	Record: Start 4:00 PM 24062	3000		
	Fin 5:30 PM 24064	400		
	75" (2756)			
	4 Adj to 70" (1200 G) 2400-2600			
	5 Pump V-203 thru Homog #4 at 1800-2200 psi into V-205			
	6 When V-203 MTY, wash color thru Homog at 1800-2200 psi using minimum water			
	7 Record: V-205 Vol " & adj to 60" (2100 G)			
	8 Inspect Homog strainer & clean if Necessary			
	<i>DURING HOMOG, RUN V-203 AGITATOR ON LOW SPEED</i>			
SV & 205 2	9 Run 5" (514 G) water into V-203. Install temp chart & start agitator			
	10 Pump V-205 thru Homog at 4800-5200 psi into SV-207			
	Record: Time Start 11:55 AM Total Min			
	Note: If homog pressure falls below 4800 psi 3-way valve will recirculate slurry to V-205			
	11 When V-205 MTY, run in 5" (240 G) water & pump thru Homog at 4800-5200 psi			
349 & 384 3	12 While Homog, run 6" (284 G) water into V-349			
	13 Run ± 1000# water into V-384 & heat to 110-120F			
	14 Weigh into V-384 & Pump to V-349	1840	32-D	1840
	15 Run ± 1000# water into V-384 & pump to V-349			
	16 Adj V-349 to 7" (805 G) & stir 15 min or longer			
	17 Record: Be 1.019 (10.95 ± 0.2) (1.079-1.082)			
	8/ml			
SV 4	18 When S 14 Homog complete, Adj SV to 2.5" (2470 G)			
	19 Record: pH 10.5 & adj to 11.1-11.3 using N-7-D diluted to 5% (10 Parts water to 1 part N-7-D) Assume 50%	20	7-D	10
	Siphon into SV & Record: pH 11.1			
	20 Heat to 190-194 F in 55-65 min & Record: HT 192 F & Rec 192 F			
	Note: Strike must be started immediately on completion of heating			
343 & 386 5	21 While heating SV, run 39" (1070 G) water into V-343			
	22 Meter in from V-386 M 19- 9.19 #/Gal 29.9 Gal		27-D	275
	23 Stir 15 min or longer			
	24 Record: Be 1.018 (2.8 ± 0.1) (1.017-1.018)			
	8/ml			

V-262

EQUIPMENT	PAGE 2 CG03 CODE KY-787-D (R)	EST. WGT. 3490	LBS.	USE LBS.	N CODE	ACCT. LBS.
SV 6	25 When S 20 heating complete Record: pH <u>10.0</u> (9.5-10.0)					
	26 Set V-343 acid pump at 82 setting (± 150 min)					
	27 Set V-349 silicate pump at 72 setting (± 120 min)					
	28 Immediately meter in V-343 & 349, Maintain SV at 190-193F during strike					
	29 Record: Start Finish Minutes					
	V-343 <u>5:45 AM</u> <u>150</u> <u>7:55 AM</u>					
	V-349 <u>5:45 AM</u> <u>120</u> <u>7:25 AM</u>					
	Record: Time V-343 V-349 SV Normal					
	at 20 min 5:45 AM (35) (14) 9.9 9.3-10.0					
	40 min 6:05 (30) (11) 9.9 9.3-10.0					
	1 hr 6:25 (24) (9) 9.9 9.3-10.0					
	2 hrs 7:35 (8) (0) 9.9 9.3-10.0					
	Finish 7:55 0 — 7.2 7.5-8.5					
	Note: If pH drops below 9.0 in 1st hr, stop pumps & see Supv.					
	If final pH is above 8.5 adj to 7.5-8.5 & Record: pH					
	Assume 77 %				27-D	
330 7	30 Run 20" (392 G) water into V-330 & heat to 80-100 °F					
	31 Add in 7-8 min			350	530-A	350
	32 Stir 5 min & Record: pH <u>10.0</u> (9.5-10.5)					
	33 Stir 20 min or longer to dissolve for S 46					
357 8	34 Run 11" (80 G) water into V-357 & heat to 135-140 °F					
	35 Dump in & stir to dissolve for S-42			160	15-A	160
302 9	36 Run 30" (360 G) water into V-302					
	37 Add & stir 2 min for S44			180	7-D	90
SV 10	38 When V-349 MTY, Rinse in with minimum water then set pump to zero setting					
	39 When V-343 MTY, rinse in with minimum water then turn off pump motor					
	40 Turn off steam					
	41 Sift in 2 bags			100	128-A	100
	42 Run in V-357 from S 35 & stir 5 min					
	43 Record: pH <u>3.4</u> (3.7-4.2)					
	44 Run in N-7-D from S 37 in 10-12 min & stir 5 min					
	45 Record: pH <u>9.5</u> (9.0-9.5) & if necessary adj to pH 9.0-9.5					
	& Record: pH				27-D	
	(Dilute 10 parts water to 1 part N-7-D)				7-D	
	Siphon N-7 into SV					
	46 Run in V-330 thru 20 mesh screen & stir 20 min					
313 11	47 Run 10" (128 G) water into V-313 & dump in			135	20-A	135
	48 Stir 5 min to dissolve for S 49					
SV 12	49 Run V-313 into SV in 15-20 min					
	50 Stir 15 min					
	51 Record: pH <u>9.5</u> (9.0-10.0)					
	52 Stop agitator <u>DO NOT STOP V-262.</u>					
	START FINISH OPTR					
	<u>5:30 PM</u> <u>11:00 PM</u> <u>235</u>					
	<u>7:10 AM</u> <u>9:30 AM</u> <u>237</u>					
	Step V-262 (20 RPM) V-243, 244, 246, 247					
	9 5" 10"					
	18 25" 48"					



V-267

