MAKING INSTRUCTIONS: BATCH UNIT

C.V. 105 106

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

CG 46 CODE YC-11-A PKG.

→ AUG·27·80 36923

EST. WGT. 2238 LBS.

STD. HRS. _____ TIME 11 PM M

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		
JTC 12-8-77		

PUNCHED & CHECKED

SEP - 8 1980

B.O. V-315 AUG 28 '80

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, dress, close 24" clarif press - 15 frames			
V 2	4	Run 10" (323 G) water into V- 324			
	5	Weigh in from V-324 M 7 , 32.62 %	1068	28-D	458
	6	Dump & rinse in drums from S 1		157-C	974
		LOT # 100% %			
		230 131 32.6	180		
		" 132 33.0	180		
		" 137 68.8	185		
		" 132 71.4	185		
		" 122 62.6	180		
		" 127 68.9	185		
		" 135 74.8	180		
		206 68 64.6	105		
		971			
	7	Stir 10 min or longer to wet			
	8	Adj to 33" (1155 G) at 28-32°F	10 x 330	57-A	3300
	9	Siphon in in 12-15 min M 7 , 32.2 %	1223	725-A	405
	10	Stir 30 min at 28-32°F maintaining + CR, + KI for S 12			
		Record: Time Start 615P 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
V 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 700P, 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 (+)			

N35226

EQUIPMENT		PAGE 2 CG 46 CODE (D)YC-11-A Alt EST. WGT. 2238 LBS.	USE LBS.	N CODE	ACC LBS
CV 5	15	Run 10" (970 G) water into V-106 & install temp chart			
	16	Pour in M 7 , 28.04 %	280	7-D	466
→	17	Adj to 40" (3904 G) at 66-70°F	9 x 330	57-A	
	18	Close stack damper	9 X 830		2970
	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 clarif press into V-315 maintaining temp 45	6 x 330	57-A	1980
		at 28-32°F Record: Time Start 2:30 Pm Total Min 75			
CV 7	22	Dump into CV from S 2 LOT # 100% %		46-C	1265
		Note: Break up lumps 00650 465 96.8	480		
		00380 400 94.8	423		
		00990 300 95.8	209		
		EASTMAN 250 → 100.0	200		
	23	Stir 10 min to dissolve			
	24	Open stack damper			
	25	Run in undersurface in 20.25 min M 7 , 28.05 %	702	30-D	713
	26	Stir 5 min & Record: pH 6.0 (5.8-6.3)			
	27	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	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 , CR (- or +)			
	29	Stir 5 min & Record: Temp 25 (28-32°F) &	5 X 330	57-A	1650
		if necessary, adj to 28-32°F. Record: °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 — (-)	10	395-D	10
	33	Record: DV 59 "			
Misc 9	34	Weigh in drums for S 41 M 7 , 28.04 %	62	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 84 °F			
	38	Immediately run in DV thru undersurface distributor in			
		60-65 min. Maintain CV at 80-84°F			
		Record: Time Start 3:37 PM Total Min. 70			
	39	When S 38 complete, stir 10 min			

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EQUIPMENT		PAGE 3 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 very slt (+), pH 4.2 (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 ± 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 3.7 (8.0-8.5) & if necessary Assume 50%	66	7-D	33
		adj to pH 8.0-8.5. Record: pH 8.2 Assume 32%		28-D	
	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 9:10 AM			
	46	Flood to 94" (9174 G) & stop agitator			

START	FIN	OPTR
3:00 PM	11:00 PM	323
9:10 PM	7:20 AM	342
8:10 AM	10:20 AM	301

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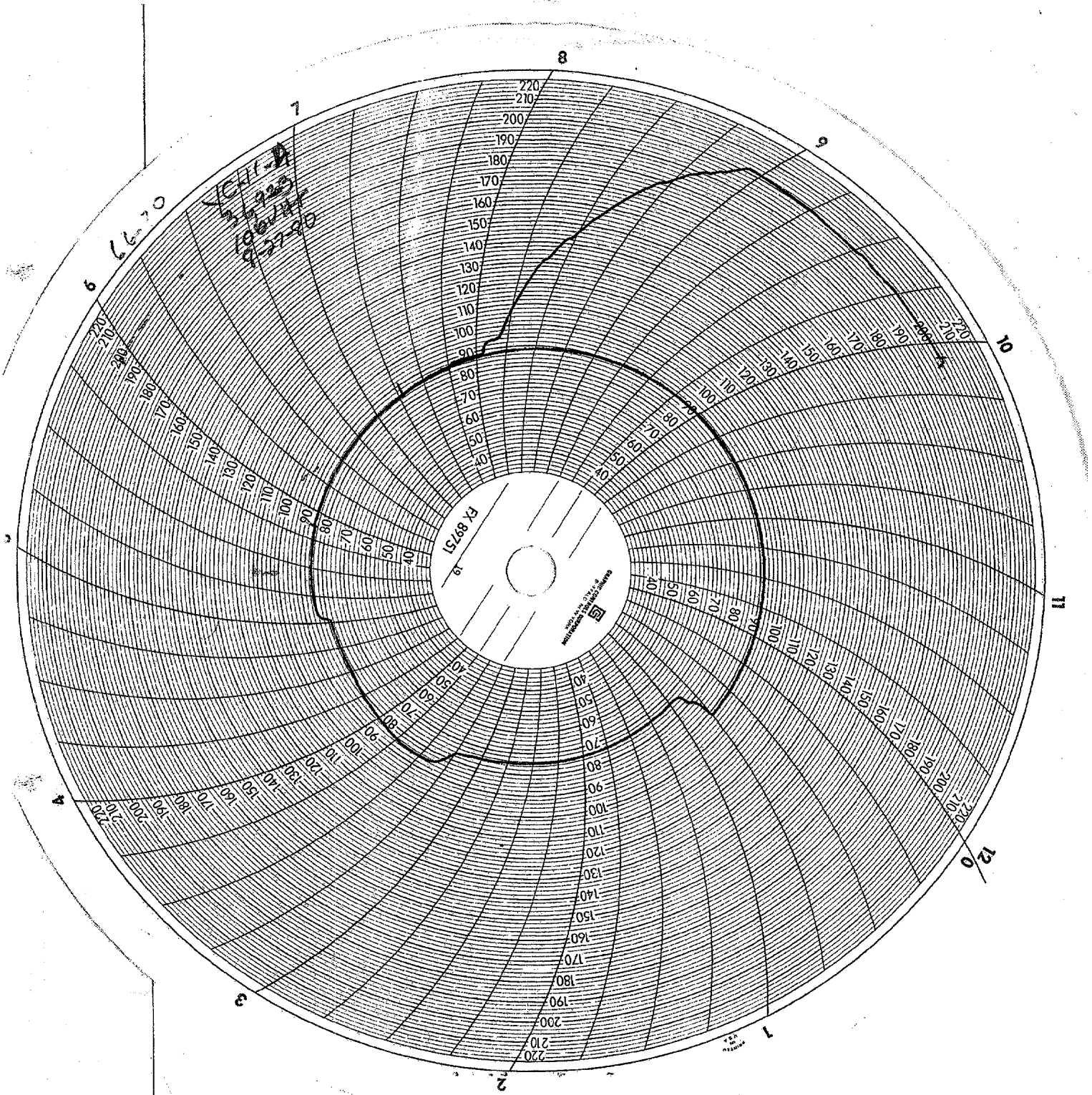

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A & L PRINTERS, NEWARK, N.J.

MD-3-A

Dummy

PACKAGE TICKET

(DRY AND PASTE ONLY)

P.O.

CODE YW-811-P LOT 37189-1

NET WT/PKG	NO. PKG	PACK. WGT	LOCATION	PO
Combined W.T. 37188				
	STUMP			

TOTAL NET WT. 7961 PKG. N-CODE

PROD. SPVR.	PROD. OPER.	DATE	WHSE. OPER.
SG	#88	92680	

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