CG 01 CODE YE-698-D

L2J75

OK

PROCESSES ( ) YE-698-D (T)

APPROVED BY: FWP 10/15/82

__/__/__ (DATE) _____ (LOT) 5527* LBS. (EST WT)

COMTYP JOB NAME: 01YE698DMT

BLENDED BACK: CG 01, PQ 98, _____ (CODE) _____ (LOT) _____ (POUNDS)

EQUIPMENT		NAME: MOLYBDATE ORANGE	USE LBS	N-CODE	ACCT LBS
PREP 1	1	OBTAIN SODIUM SULFATE FOR S-13	84	108-A	84
	2	CALCULATE & SET ON BADGER METER FOR S-16 (NITRIC ACID WEAK) 64.40%	85	33-D	55
	3	OBTAIN SODIUM CHLORIDE FOR S-33	734	4-A	734
	4	OBTAIN SODA ASH FOR S-37	146	3-A	146
	5	OBTAIN SODIUM SILICATE FOR S-39	237	32-D	237
	6	OBTAIN SODA ASH FOR S-43	350	3-A	350
	7	OBTAIN ANTIMONY TRIOXIDE FOR S-46	70	711-B	70
351 2	8	WEIGH SODIUM CHROMATE INTO V-351 OPTR 342, MK 280, 37.9% OPTR ____, MK ___, _____%	4972	10-D	1885
359 3	9	WEIGH IN SODIUM MOLYBDATE SOLUTION OPTR 342, MK 71, T-360, 33.03 OPTR ____, MK ___, T-____, _____%	917	423-D	303
358 4	10	RUN 10" (500 G) WATER INTO V-358			
	11	RUN V-359 INTO V-351 & PUMP IN V-351			
	12	ADJ TO 55" (2600 G)			
	13	SIFT IN N-108-A FROM S 1			
	14	STIR 5 MIN & RECORD: PH 10.9 (9.0-10.0)			
	15	ADJ TO PH 9.8-9.9 & RECORD: PH_____ (CAUSTIC SODA SOLUTION) ASSUME 50%	____	7-D	____
		ASSUME 66%	4	33-D	2
	16	ADD N-33-D FROM S 2 USING BADGER METER			
	17	ADJ TO 66" (3121 G) AT 67-69*F RECORD: VOL 66" & 69 *F			
	18	STIR 5 MIN & RECORD: PH 7.5 (7.4-7.6) & G/ML 1052 (1.080-1.083) NOTE IF G/ML OUT OF LIMITS FILL OUT CHECK LIST & ATTACH. TAKE 1 QT SAMPLE			
SV 5	19	RUN 20" (996 G) WATER INTO V-247 RECORD N-41-D STORAGE TANK TO PUMP FROM. CIRCLE ONE: 402 410 411 420 424 425			
	20	CHECK WITH CU SUPV: *STORAGE TANK MUST CONTAIN AT LEAST 2376 GAL: 402=49", 410=25", 411=48", 420=25", 424=25", 425=31" *STORAGE TANK MUST HAVE STIRRED AT LEAST 20 MIN SINCE LAST ADDITION OR ADJUSTMENT *STORAGE TANK MUST BE ISOLATED UNTIL ALL PUMPING FOR THIS BATCH IS COMPLETE			
	21	SET METER FOR 300 G & PUMP TO SV 247			

NOV 10 1982

LOT: _____ COMTYP JOB NAME: 01YE698DMT PAGE 02 DATE PRINTED: 11/02/82

EQUIPMENT			USE LBS	N-CODE	ACCT LBS
SV 5 CONT	22	AT APPROX 100 G WHILE CONTINUING TO PUMP, CHECK PH & DENSITY. RECORD BELOW. IF NOT IN RANGE, STOP PUMPING & SEE SUPV.			
		* PH: 11.1 (2.2-3.7)			
		* DENSITY: 1.284 G/ML (1.270-1.328)			
	23	IF S-22 OK & WHEN S-21 COMPLETE, RECORD DENSITY 1.284 G/ML ON TRAPPED SAMPLE FROM END OF S-21 PUMPING.			
	24	USING DENSITY FROM S-23, FIND METER SETTING FOR SECOND PUMPING IN TABLE BELOW. NOTE: TABLE ACCOUNTS FOR 300 G ALREADY PUMPED IN S-21. CIRCLE DENSITY & SETTING IN TABLE BELOW.			

****** TABLE ******

G/ML	SETTING	G/ML	SETTING	G/ML	SETTING
1.270	1644	1.291	1504	1.312	1382
1.271	1637	1.292	1487	1.313	1376
1.272	1630	1.293	1491	1.314	1371
1.273	1623	1.294	1485	1.315	1367
1.274	1616	1.295	1479	1.316	1361
1.275	1609	1.296	1473	1.317	1356
1.276	1602	1.297	1467	1.318	1351
1.277	1595	1.298	1461	1.319	1345
1.278	1588	1.299	1455	1.320	1340
1.279	1582	1.300	1448	1.321	1335
1.280	1575	1.301	1444	1.322	1330
1.281	1568	1.302	1438	1.323	1324
1.282	1562	1.303	1432	1.324	1319
1.283	1555	1.304	1426	1.325	1315
1.284	1549	1.305	1420	1.326	1310
1.285	1542	1.306	1416	1.327	1305
1.286	1535	1.307	1410	1.328	1300
1.287	1528	1.308	1404	1.329	1295
1.288	1522	1.309	1399	1.330	1290
1.289	1515	1.310	1393	1.331	1285
1.290	1510	1.311	1387	1.332	1280

	25	SET METER & PUMP 1549 G (RECORD FROM TABLE) FLUSH LINE WITH WATER INTO SV FOR APPROXIMATELY 30 SECONDS			
	26	ADJ LEAD NITRATE TO 3625 G (76*-242/245 & 74.5* 247) AT 67-69*F		41-D	5110
		RECORD: 69 *F & ICE CONSUMED (330#/BLOCK)	330X	57-A	
	27	STIR 5 MIN & RECORD PH: 2.1 (2.2-3.7)			
		******** USE TITRIMETER TO ADJUST N-41-D PH ********			
	28	IF NECESSARY ADJ TO PH 3.0-3.1 ASSUME 66%	3	33-D	2
		& RECORD PH: 3.0 ASSUME 50%	6	7-D	3
		NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE ADDING			
	29	RECORD: 1144 G/ML (1.143-1.144) IF OUT OF SPEC FILL OUT CHECK LIST & ATTACH.			
	30	STIR AT 67-69*F FOR S-31. TAKE 1 QT SAMPLE.			

DUP050059944

EQUIPMENT			USE LBS	N-CODE	ACCT LBS
SV 5 CONT	31	OBTAIN 1 QT SAMPLES OF S-18 & S-30 SOLUTIONS & TITRATE TWICE NOTIFY SUPV IF ML N-10-D IS NOT IN RANGE 7.1-7.4 OR IF THE TWO TITRATIONS DIFFER BY MORE THAN 0.10 ML N-10-D (IF YES, FLUSH ALL EQUIPMENT & REPEAT TITRATIONS). DO NOT PROCEED IF N-10-D TITRATION IS OUT OF RANGE ADJUST V-358 FOR A TITRATION PH OF ~~2.10 TO 2.20~~	_____	33-D	
		FROM FINAL IN-LINE TITRATION, RECORD LOWEST PH _____ & ML N-10-D _____. 1.95-2.05	_____	7-D	
SV 6	32	WHEN S-31 TITRATION OK , STRIKE V-358 THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV IN 16-18 MIN RECORD: START 8:10, TOTAL MIN 18 NOTE: STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS & BUBBLES APPEAR IN SIGHT GLASSES			
	33	IMMEDIATELY DUMP IN N-4-A FROM S 3 & SET TIMER FOR 15 MINUTES			
	34	DURING S 33, WASH IN V-358			
	35	STIR 2 MIN & RECORD PH 1.8 (1.8-2.5) PBXS, + (MUST BE +)			
	36	STIR TOTAL OF 15 MIN FROM S-33 & RECORD: TEMP 72 *F (67-73*F)			
	37	DUMP N-3-A FROM S-4			
	38	STIR 3 MIN			
	39	POUR IN N-32-D FROM S-5 80%	587		
	40	STIR 2 MIN			
	41	RUN IN LIQUID ALUM USING BADGER METER	~~734~~	115-D	367
	42	STIR 3 MIN & FLUSH ALUM LINE WITH WATER			
	43	DUMP IN N-3 FROM S-6			
	44	STIR 4 MIN FOR S-48			
390 7	45	RUN IN HYDROCHLORIC ACID USING WEIGHT & FLOW CONTROL PANEL MK 8, 30.84%	340	28-D	105
		MK _____, _____%	_____	28-D	_____
	46	DURING S-44 SIFT N-711-B FROM S-7 INTO V-390 WITH AGITATOR ON IN 1-2 MIN			
	47	STIR 1-2 MIN TO MILKY SOLUTION			
SV 8	48	WHEN S-44 COMPLETE, IMMEDIATELY RUN IN N-711-B SOLUTION GRADUALLY OVER 5 MIN PERIOD INTO SV WATCH FOAM!!! IF FOAMING IS EXCESSIVE, STOP UNTIL FOAM SUBSIDES.			
	49	DUMP IN BLANC FIXE N	330	128-A	330
	50	WHEN SCHEDULED, DUMP IN BLEND BACK LISTED ON TOP OF PAGE 1 RECORD: CODE _____, LOT _____, _____#			
	51	STIR 20 MIN			
	52	RECORD: PH 5.9 (5.8-6.0)			
	53	IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50%	_____	7-D	_____
		& RECORD: PH-_____ ASSUME 66%	_____	33-D	_____
	54	FLOOD TO 153" (7298 G) & STOP AGITATOR			

START	FINISH	OPTR
2.00 PM		86-64
3.00	9.20 PM	342 129

DUP050059945