CG 01 CODE YE-698-D PROCESSES ( ) YE-698-D (T) APPROVED BY FWP 10/15/82

OCT 21 1982 (DATE) K2K99 (LOT) ~~5827~~ 5552* LBS. (EST WT) COMTYP JOB NAME: 01YE698DMT

BLENDED BACK: CG 01, PQ 98, YC-10-B (CODE), H2J54 (LOT), 200 (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%	93	33-D	60
	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 ____, MK 255, 38.05% OPTR ____, MK ___, _____%	4954	10-D	1885
359 3	9	WEIGH IN SODIUM MOLYBDATE SOLUTION OPTR ____, MK 64 T-360, 35.27% OPTR ____, MK ___, T-____, _____%	859	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 9 9			
	14	STIR 5 MIN & RECORD: PH ___ (9.0-10.0)			
	15	ADJ TO PH 9.8-9.9 & RECORD: PH ___ (CAUSTIC SODA SOLUTION) ASSUME 50%	_____	7-D	_____
		ASSUME 66%	_____	33-D	_____
	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 7.6 (7.4-7.6) & G/ML 1.082 (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-242 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 242			

OCT 27 1982

FWP

LOT: _____ COMTYP JOB NAME: 01YE698DMT PAGE 02 DATE PRINTED: 10/15/82

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: 3.4 (2.2-3.7) * DENSITY: 1.298 G/ML (1.270-1.328)			
	23	IF S-22 OK & WHEN S-21 COMPLETE, RECORD DENSITY 1.298 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 1678 | 1.291 1534 | 1.312 1410 1.271 1670 | 1.292 1527 | 1.313 1404 1.272 1663 | 1.293 1521 | 1.314 1399 1.273 1656 | 1.294 1515 | 1.315 1394 1.274 1649 | 1.295 1509 | 1.316 1388 1.275 1641 | 1.296 1503 | 1.317 1383 1.276 1634 | 1.297 1497 | 1.318 1378 1.277 1627 | 1.298 1490 | 1.319 1372 1.278 1620 | 1.299 1484 | 1.320 1367 1.279 1614 | 1.300 1478 | 1.321 1362 1.280 1607 | 1.301 1473 | 1.322 1357 1.281 1600 | 1.302 1467 | 1.323 1351 1.282 1593 | 1.303 1461 | 1.324 1346 1.283 1586 | 1.304 1455 | 1.325 1341 1.284 1580 | 1.305 1449 | 1.326 1336 1.285 1573 | 1.306 1444 | 1.327 1331 1.286 1566 | 1.307 1438 | 1.328 1326 1.286 1566 | 1.307 1438 | 1.328 1326 1.287 1559 | 1.308 1432 | 1.329 1543 1.288 1553 | 1.309 1427 | 1.330 1537 1.289 1546 | 1.310 1421 | 1.331 1532 1.290 1540 | 1.311 1415 | 1.332 1526			
	25	SET METER & PUMP 1490 G (RECORD FROM TABLE) FLUSH LINE WITH WATER INTO SV FOR APPROXIMATELY 30 SECONDS (242/245)			
	26	ADJ LEAD NITRATE TO 76° (3625 G) AT 67-69°F. 411 RECORD: 69 °F 75" V-247	300 1490 896	41-D 57-A	5110 _____
	27	STIR 5 MIN & RECORD PH: 4.4 (2.2-3.7)			
	28	IF NECESSARY ADJ TO PH 3.0-3.1 ASSUME 66% & RECORD PH: 3.05 ASSUME 50%	10 _____	33-D 7-D	6 _____
		NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE ADDING			
	29	RECORD: 1.148 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.			

DUP050103079

COMTYP JOB NAME: 01YE698DMT PAGE 03 DATE PRINTED: 10/15/82

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 2.08 & ML N-10-D 2.83.		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 12:50 PM, TOTAL MIN_____			
	33	NOTE: STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS & BUBBLES APPEAR IN SIGHT GLASSES 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 2.1 (1.8-2.5)			
		PBXS, + (MUST BE +)			
	36	STIR TOTAL OF 15 MIN FROM S-33 & RECORD: TEMP_____*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			
	40	STIR 2 MIN			
	41	RUN IN LIQUID ALUM USING BADGER METER SV7	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 _____, 31.01 %	339	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.	165		165
	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 XC-10-B, LOT H2J54 200 #			
	51	STIR 20 MIN			
	52	RECORD: PH 6.1 (5.8-6.0)			
	53	IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50%	1	7-D	1
		& RECORD: PH- 5.9 ASSUME 66%	1	33-D	1
	54	FLOOD TO 153" (7298 G) & STOP AGITATOR			

START	FINISH	OPTR
12:30 PM	2:50 PM	114

DUP050103080