S.V. 242 245

CG 01 CODE YE-698-D

PROCESSES
( ) YE-698-D (S)
(G) YC-10-B ( )
( ) ( )

APPROVED BY
FWP 04/07/81

( DATE ) E1101 (LOT NUMBER)

COMTYP JOB NAME: 01YE698DMS

ESTIMATED WGT 5632 LBS. STANDARD HRS. _____ TIME _____M

| EQUIPMENT | | NAME: MOLYBDATE ORANGE | USE LBS | N-CODE | ACCT LBS |
|---|---|---|---|---|---|
| PREP 1 | 1 | OBTAIN FOR S-22 | 84 | 108-A | 84 |
| | 2 | WEIGH FOR S 25 65.04 % | 69 | 33-D | 45 ~~65~~ |
| | 3 | OBTAIN FOR S-30 | 734 | 4-A | 734 |
| | 4 | OBTAIN FOR S-34 | 146 | 3-A | 146 |
| | 5 | OBTAIN FOR S-36 | 237 | 32-D | 237 |
| | 6 | OBTAIN FOR S-38 | 367 | 15-A | 367 |
| | 7 | OBTAIN FOR S-40 | 243 | 3-A | 243 |
| | 8 | WEIGH IN DRUM FOR S-42 M___, 32.00 % | 219 | 28-D | 70 |
| | 9 | OBTAIN FOR S-42 | 70 | 711-B | 70 |
| 351 2 | 10 | WEIGH INTO V-351 CHECKED BY: #52 M48 37.70% | 5000 | 10-D | 1885 |
| 359 3 | 11 | WEIGH INTO V-359 CHECKED #52 M43, 39.00 % | 777 | 423-D Chile | 303 |
| SV 4 | 12 | RUN 20" (996 G) WATER INTO V- 242 | | | |
| | 13 | RUN IN FROM V-354 CHECKED BY#52 M 427, 29.50 % | 17322 | 41-D | 5110 |
| | | RECORD: G/ML 1326 (1.270-1.328) | | | |
| | | RECORD: PH 1.8 (2.2-3.7) | | | |
| | 14 | ADJ TO 79" (3770G) AT 67-69*F | | | |
| | | RECORD: TEMP 68 *F | 2970 | 57-A | 2970 |
| | 15 | STIR 5 MIN & RECORD: PH 2.3 (2.2-3.7) | | | |
| | 16 | IF NECESSARY, ADJ TO PH 3.0-3.1 ASSUME 60% | | 33-D | |
| | | RECORD: PH 3.0 | | | |
| | | NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE ADDING ASSUME 50% | 4 | 7-D | 2 |
| | 17 | RECORD: 1136 G/ML (1.135-1.138) | | | |
| | | NOTE: IF G/ML OUT OF LIMITS FILL OUT CHECK LIST & ATTACH | | | |
| | 18 | STIR AT 67-69*F FOR S 28 | | | |
| 358 5 | 19 | RUN 10" (500 G) WATER INTO V-358 | | | |
| | 20 | RUN V-359 INTO V-351 & PUMP IN V-351 | | | |
| | 21 | ADJ TO 55" (2600 G) | | | |
| | 22 | SIFT IN N-108-A FROM S 1 | | | |
| | 23 | STIR 5 MIN & RECORD: PH 9.4 (9.0-10.0) | | | |
| | 24 | ADJ TO PH 9.8-9.9 & RECORD: PH 9.8 | | | |
| | | ASSUME 50% | 3 | 7-D | 2 |
| | | ASSUME 60% | | 33-D | |
| | 25 | ADD N-33-D FROM S 2 (PUMP FROM V-351, FLUSH WITH 1000# WATER ) | | | |
| | 26 | ADJ TO 66" (3121 G) AT 67-69*F | | | |
| | | RECORD: VOL 66 " & 67 *F | | | |
| | 27 | STIR 5 MIN & RECORD: PH 7.4 (7.4-7.6) & G/ML 1.082 (1.080-1.083) | | | |
| | | NOTE IF G/ML OUT OF LIMITS FILL OUT CHECK LIST & ATTACH | | | |

| EQUIP | | PAGE 2 CG 01 YE-698-D EST WGT 5632# | USE LBS | N-CODE | USE LBS |
|---|---|---|---|---|---|
| | 28 | OBTAIN 1 QT SAMPLES OF S-18 & S-27 SOLUTIONS & TITRATE TWICE<br>RECORD: LOWEST PH 2.37 & ML N-10-D 2.00<br>LOWEST PH 2.40 & ML N-10-D 2.00<br>NOTIFY SUPV IF ML N-10-D IS NOT IN RANGE 6.8-7.1 OR IF THE TWO TITRATIONS DIFFER BY MORE THAN 0.10 ML N-10-D (IF YES, FLUSH ALL EQUIPMENT & REPEAT TITRATIONS)<br>DO NOT PROCEED IF N-10-D TITRATION IS OUT OF RANGE<br>ADJUST V-358 TO OBTAIN A TITRATION PH = ~~2.05~~ 2.35 (~~2.00-2.10~~) (2.30-2.40) | | | |
| | | | 30 | 7-D | 15 |
| SV 6 | 29 | WHEN S-28 TITRATION OK, STRIKE V-358 THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV IN 16-18 MIN<br>RECORD: START 610A, TOTAL MIN 16<br>NOTE: STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS & BUBBLES APPEAR IN SIGHT GLASSES | | | |
| | 30 | IMMEDIATELY DUMP IN N-4-A FROM S 3 & SET TIMER FOR 15 MINUTES | | | |
| | 31 | DURING S 30, WASH IN V-358 | | | |
| | 32 | STIR 2 MIN & RECORD PH 2.5 (1.8-2.5)<br>PBXS, 1 (MUST BE +) | | | |
| | 33 | STIR TOTAL OF 15 MIN FROM S-30 & RECORD: TEMP 72 *F (67-73*F) | | | |
| | 34 | DUMP N-3-A FROM S-4 | | | |
| | 35 | STIR 3 MIN | | | |
| | 36 | POUR IN N-32-D FROM S-5 | | | |
| | 37 | STIR 2 MIN | | | |
| | 38 | DUMP IN N-15 FROM S-6 | | | |
| | 39 | STIR 3 MIN | | | |
| | 40 | DUMP IN N-3 FROM S-7 | | | |
| | 41 | STIR 4 MIN FOR S-44 | | | |
| DRUM 7 | 42 | DURING S-41 SIFT N-711-B FROM S-9 INTO DRUM OF N-28-D FROM S-8 IN 1-2 MIN. | | | |
| | 43 | STIR 1-2 MIN WITH PADDLE TO MILKY SOLUTION | | | |
| SV 8 | 44 | WHEN S-41 COMPLETE, IMMEDIATELY POUR N-711-B SOLUTION GRADUALLY OVER 5 MIN PERIOD INTO SV<br>WATCH FOAM!!! IF FOAMING IS EXCESSIVE, STOP POURING UNTIL FOAM SUBSIDES | | | |
| | 45 | DUMP IN | 350 | 128-H | 350 |
| | 46 | STIR 10 MIN | | | |
| | 47 | RECORD: PH 5.9 (5.8-6.0) | | | |
| | 48 | IF NECESSARY, ADJ TO PH 5.8-6.0 & RECORD: PH- ASSUME 50% / ASSUME 66% | | 7-D / 33-D | |
| | 49 | RECORD: TIME 600A | | | |
| | 50 | FLOOD TO 153" (7619 G) | | | |
| | 51 | STOP AGITATOR | | | |

| START | FINISH | OPTR | HELPER |
|---|---|---|---|
| 1200A | 600A | 252 | 572 |

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