

11/13/82
 (DATE)

L2K03
 (LOT)

4448* LBS.
 (EST WT)

COM TYP JOB NAME: 01YE721DMM

CODE YE-721-D
 () YE-721-D (M)

APPROVED BY:
 FWP 11/08/82

BLENDED BACK: CG 01, PQ 98,

(CODE) (LOT) (POUNDS)

EQUIP MENT	NAME: MOLYBDATE RED	USE LBS	N-CODE	ACCT LBS
PREP 1	1 OBTAIN FOR S-12 2 OBTAIN FOR S-34 3 OBTAIN FOR S-38 4 OBTAIN FOR S-40 5 OBTAIN FOR S-44 6 OBTAIN FOR S-47	68 600 120 195 350 61	108-A 4-A 3-A 32-D 3-A 711-BD	68 600 120 195 350 61
351 2	7 WEIGH IN: OPTR <u>54</u> , MK <u>288</u> , T- <u>37.98%</u> OPTR <u>54</u> , MK <u>288</u> , T- <u>37.98%</u>	<u>3973</u>	10-D	1500
359 3	8 WEIGH IN: OPTR <u>54</u> , MK <u>73</u> , T- <u>37.0</u> , <u>31.51%</u> OPTR <u>54</u> , MK <u>73</u> , T- <u>37.0</u> , <u>31.51%</u>	<u>771</u>	423-D	243
358 4	9 RUN 10" (500 G) WATER INTO V-358 10 RUN V-359 INTO V-351 & PUMP IN V-351 11 ADJ TO 55" (2600 G) 12 SIFT IN N-108-A FROM S 1 13 STIR 5 MIN & RECORD: PH <u>9.4</u> (9.0-10.0) 14 ADJ TO PH 9.8-9.9 & RECORD: PH <u>9.8</u> ASSUME 50% ASSUME 66%	<u>1</u>	7-D 33-D	<u>1</u>
	15 RUN INTO V-351 FROM BADGER METER OPTR <u>54</u> , MK <u>3</u> , <u>30.84%</u>	<u>146</u>	28-D	<u>54</u> <u>45</u>
	16 PUMP FROM V-351 TO V-358 17 FLUSH V-351 & PUMPING LINES WITH 1000G WATER INTO V-358 18 ADJ TO 74" (3530 G) AT 67-69°F RECORD: VOL <u>74</u> " & <u>67</u> °F 19 STIR 5 MIN & RECORD: PH <u>7.5</u> (7.2-7.4) & G/ML <u>1.058</u> (1.055-1.058) NOTE IF G/ML OUT OF LIMITS FILL OUT CHECK LIST & ATTACH. TAKE 1 QT SAMPLE.			
SV 5	20 RUN 20" (996 G) WATER INTO V- <u>247</u> RECORD N-41-D STORAGE TANK TO PUMP FROM. CIRCLE ONE: 402 410 411 420 424 425 CHECK WITH CU SUPV: *STORAGE TANK MUST CONTAIN AT LEAST 1900 GAL: 402=39", 410=20", 411=38", 420=20", 424=20", <u>425=25"</u> *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 22 SET METER FOR 300 G & PUMP TO SV <u>247</u>			

NOV 15 1982

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SV 5 CONT																																																																																																																																							
23 AT APPROX 100 G WHILE CONTINUING TO PUMP, CHECK PH & DENSITY. RECORD BELOW. IF NOT IN RANGE, STOP PUMPING & SEE SUPV. * PH: <u>2.4</u> (2.2-3.7) * DENSITY: <u>1.326</u> G/ML (1.270-1.328)																																																																																																																																							
24 IF S-23 OK & WHEN S-22 COMPLETE, RECORD DENSITY <u>1.326</u> G/ML ON TRAPPED SAMPLE FROM END OF S-22 PUMPING.																																																																																																																																							
25 USING DENSITY FROM S-24, FIND METER SETTING FOR SECOND PUMPING IN TABLE BELOW. NOTE: TABLE ACCOUNTS FOR 300 G ALREADY PUMPED IN S-22. CIRCLE DENSITY & SETTING IN TABLE BELOW.																																																																																																																																							
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26 SET METER & PUMP <u>991</u> G (RECORD FROM TABLE) FLUSH LINE WITH WATER INTO SV FOR APPROXIMATELY 30 SECONDS																																																																																																																																							
27 ADJ LEAD NITRATE TO 3244 G (68°-242/245 & <u>66.5°</u> 247) AT 67-69°F																																																																																																																																							
RECORD: <u>67</u> *F & ICE CONSUMED (330#/BLOCK) 330X																																																																																																																																							
28 STIR 5 MIN & RECORD PH: <u>3.25</u> (2.2-3.7)																																																																																																																																							
**** USE TITRIMETER TO ADJUST N-41-D PH ****																																																																																																																																							
29 IF NECESSARY ADJ TO PH 3.0-3.1 ASSUME 66% & RECORD PH: <u>3.1</u> ASSUME 50%																																																																																																																																							
NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE ADDING																																																																																																																																							
30 RECORD: <u>1.128</u> G/ML (1.128-1.129) IF OUT OF SPEC																																																																																																																																							
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31 STIR AT 67-69°F FOR S-33. TAKE 1 QT SAMPLE.																																																																																																																																							

JT= _____ COMTYF JOB NAME: 01YE721DMM . PAGE 03 DATE PRINTED: 11/08/82
 EQUIP _____ USE _____ N- _____ USE _____
 MENT _____ LBS _____ CODE _____ LBS _____

SV 5	CONT	132 OBTAIN 1 QT SAMPLES OF S-19 & S-31 SOLUTIONS & TITRATE TWICE NOTIFY SUPV IF ML N-10-D IS NOT IN RANGE 9.5-9.9 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 1.80 TO 1.90 FROM FINAL IN-LINE TITRATION. RECORD LOWEST PH <u>1.95</u> & ML N-10-D <u>9.88</u> . <u>1.90-2.00</u>	10	33-D 7-D	5
SV 6		133 WHEN S-32 TITRATION OK, STRIKE V-358 THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV IN 44-46 MIN RECORD: START <u>2:25 PM</u> , TOTAL MIN <u>46</u> NOTE: STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS & BUBBLES APPEAR IN SIGHT GLASSES 134 IMMEDIATELY DUMP IN N-4-A FROM S 2 & SET TIMER FOR 15 MINUTES 135 DURING S 34, WASH IN V-358 136 STIR 2 MIN & RECORD PH <u>1.9</u> (1.7-1.8) PBXS, <u>+</u> (MUST BE +) 137 STIR TOTAL OF 15 MIN FROM S-34 & RECORD: TEMP <u>73</u> *F (67-73°F) 138 DUMP N-3-A FROM S-3 139 STIR 3 MIN 140 POUR IN N-32-D FROM S-4 141 STIR 2 MIN 142 RUN IN LIQUID ALUM USING BADGER METER 143 STIR 3 MIN & FLUSH ALUM LINE WITH WATER 144 DUMP IN N-3 FROM S-5 145 STIR 4 MIN FOR S-49	604	115-D	302
390 7		146 RUN IN HYDROCHLORIC ACID USING WEIGHT & FLOW CONTROL PANEL MK <u>3</u> , <u>30.84%</u> MK _____ % 147 DURING S-45 SIFT N-711-B FROM S-6 INTO V-390 WITH AGITATOR ON IN 1-2 MIN 148 STIR 1-2 MIN TO MILKY SOLUTION	272	28-D 28-D	90
SV 8		149 WHEN S-45 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. 150 DUMP IN BLANC FIXE N 151 WHEN SCHEDULED, DUMP IN BLEND BACK LISTED ON TOP OF PAGE 1 RECORD: CODE _____, LOT _____ 152 STIR 20 MIN 153 RECORD: PH <u>6.0</u> (5.8-6.0) 154 IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50% & RECORD: PH <u>2</u> ASSUME 66% 155 FLOOD TO 153' (7298 G) & STOP AGITATOR	275	128-A 7-D 33-D	275
		START <u>7:00 PM</u> FINISH <u>9:00 PM</u> OTR <u>54-138</u> <u>5:00 PM</u> <u>6:00 PM</u> <u>86-277-362</u>			