

11/11/82

L2J90

4448* LBS.

COMTYP JOB NAME: 01YE721DMM

(DATE)

(LOT)

(EST WT)

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	68	108-A	68
	2 OBTAIN FOR S-34	600	4-A	600
	3 OBTAIN FOR S-38	120	3-A	120
	4 OBTAIN FOR S-40	195	32-D	195
	5 OBTAIN FOR S-44	350	3-A	350
	6 OBTAIN FOR S-47	61	711-BD	61
351	7 WEIGH IN: OPTR <u>22</u> , MK <u>284</u> , T- <u>37.91</u> %	<u>3980</u>	10-D	150?
2	OPTR <u>129</u> , MK <u>---</u> , T- <u>---</u> %			
359	8 WEIGH IN: OPTR <u>37</u> , MK <u>71</u> , T- <u>370</u> , <u>92.46</u> %	<u>740</u>	423-D	243
3	OPTR <u>129</u> , MK <u>---</u> , T- <u>---</u> %			
358	9 RUN 10" (500 G) WATER INTO V-358			
4	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>10.4</u> (9.0-10.0)			
	14 ADJ TO PH 9.8-9.9 & RECORD: PH <u>9.8</u>			
	ASSUME 50%		7-D	
	ASSUME 66%		33-D	
	15 RUN INTO V-351 FROM BADGER METER			
	OPTR <u>37</u> , MK <u>3</u> , <u>30.84</u> %	<u>126</u>	28-D	<u>54</u>
	16 PUMP FROM V-351 TO V-358			<u>41</u>
	17 FLUSH V-351 & PUMPING LINES WITH 1000G			<u>39</u>
	WATER INTO V-358			
	18 ADJ TO 74" (3530 G) AT 67-69°F			
	RECORD: VOL <u>74</u> " & <u>68</u> " *F			
	19 STIR 5 MIN & RECORD: PH <u>---</u> (7.2-7.4) &			
	G/ML <u>1.057</u> (1.055-1.058)			
	NOTE IF G/ML OUT OF LIMITS FILL OUT CHECK			
	LIST & ATTACH. TAKE 1 QT SAMPLE.			
SV	20 RUN 20" (996 G) WATER INTO V- <u>245</u>			
5	RECORD N-41-D STORAGE TANK TO PUMP FROM.			
	CIRCLE ONE: 402 410 411 420 424 425			
	21 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>245</u>			

NOV 12 1982

EQUIP MENT	USE LBS	N- CODE	ACCT LBS																																																																																																																																				
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AT APPROX 100 G WHILE CONTINUING TO PUMP, CHECK PH & DENSITY. RECORD BELOW. IF NOT IN RANGE, STOP PUMPING & SEE SUPV. * PH: <u>2.2</u> (2.2-3.7) * DENSITY: <u>1.306</u> G/ML (1.270-1.328)																																																																																																																																							
24																																																																																																																																							
IF S-23 OK & WHEN S-22 COMPLETE, RECORD DENSITY <u>1.306</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. **** TABLE ****																																																																																																																																							
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SET METER & PUMP <u>1076</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 & 66.5° 247) AT 67-69°F RECORD: <u>6.8</u> *F & ICE CONSUMED (330#/BLOCK)																																																																																																																																							
28																																																																																																																																							
STIR 5 MIN & RECORD PH: <u>2.6</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>3.0</u> ASSUME 50%																																																																																																																																							
30																																																																																																																																							
NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE ADDING RECORD: <u>1.128</u> G/ML (1.128-1.129) IF OUT OF SPEC																																																																																																																																							
31																																																																																																																																							
FILL OUT CHECK LIST & ATTACH. STIR AT 67-69°F FOR S-33. TAKE 1 QT SAMPLE.																																																																																																																																							

EQUIP	USE	N-	USE
MENT1	LBS	CODE	LBS

SV 5	32	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>1.90</u> & ML N-10-D <u>1.85-1.85</u> <u>1.80-1.90</u>				33-D 7-D
SV 6	33	WHEN S-32 TITRATION OK, STRIKE V-358 THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV IN 44-46 MIN RECORD: START <u>10:00 AM</u> TOTAL MIN <u>45</u> NOTE: STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS BUBBLES APPEAR IN SIGHT GLASSES				
	34	IMMEDIATELY DUMP IN N-4-A FROM S 2 & SET TIMER FOR 15 MINUTES				
	35	DURING S 34, WASH IN V-358				
	36	STIR 2 MIN & RECORD PH <u>1.7</u> (1.7-1.8) PBXS, (MUST BE +)				
	37	STIR TOTAL OF 15 MIN FROM S-34 & RECORD: TEMP <u>71</u> *F (67-73*F)				
	38	DUMP N-3-A FROM S-3				
	39	STIR 3 MIN				
	40	POUR IN N-32-D FROM S-4				
	41	STIR 2 MIN				
	42	RUN IN LIQUID ALUM USING BADGER METER	604	115-D	302	
	43	STIR 3 MIN & FLUSH ALUM LINE WITH WATER				
	44	DUMP IN N-3 FROM S-5				
	45	STIR 4 MIN FOR S-49				
390 7	46	RUN IN HYDROCHLORIC ACID USING WEIGHT & FLOW CONTROL PANEL MK <u>3</u> , <u>30.84</u> %, <u>292</u> MK _____ %				28-D 28-D 90
	47	DURING S-45 SIFT N-711-B FROM S-6 INTO V-390 WITH AGITATOR ON IN 1-2 MIN				
	48	STIR 1-2 MIN TO MILKY SOLUTION				
SV 8	49	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.				
	50	DUMP IN BLANC FIXE N	275	128-A	275	
	51	WHEN SCHEDULED, DUMP IN BLEND BACK LISTED ON TOP OF PAGE 1				
	52	RECORD: CODE _____, LOT _____ #				
	53	STIR 20 MIN				
	54	RECORD: PH <u>6.1</u> (5.8-6.0)				
	55	IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50% & RECORD: PH <u>6.0</u> ASSUME 66%				7-D 33-D
	56	FLOOD TO 153' (7298 G) & STOP AGITATOR				
		START <u>7:00 AM</u> <u>11 AM</u>	FINISH <u>11:00 AM</u> <u>12:30 AM</u>	OPTR <u>37-129</u> <u>114</u>		