

11/24/82
 (DATE)

 L2J66
 (LOT)

 3839* LBS.
 (EST WT)

COMTYP JOB NAME: 01YE735DMK

BLENDED BACK: CG 01, FG 98.

(CODE)

(LST)

(POUNDS)

EQUIP MENT	NAME: MOLYBDATE ORANGE	USE LBS	N-CODE	ACCT LBS
PREP	1 OBTAIN SODIUM CHLORIDE FOR S-37	315	4-A	315
1	2 OBTAIN SODIUM SULFATE FOR S-14	42	108-A	42
	3 OBTAIN SODA ASH FOR S-40	105	3-A	105
	4 OBTAIN SODIUM SILICATE FOR S-42	58	32-D	58
	5 OBTAIN SODA ASH FOR S-46	47	3-A	47
	6 DISSOLVE SODIUM CITRATE IN 30 G WATER AT 100-120°F IN DRUM FOR S-50	17	765-A	17
	7 DISSOLVE TAMOL 850 IN 30 G WATER AT 100-120°F IN DRUM FOR S-54	60	994-A	60
351	8 WEIGH IN SODIUM CHROMATE	3802	10-D	1407
2	OPTR _____, MK 307, 37.01 %			
	OPTR _____, MK _____, _____ %			
359	9 WEIGH IN SODIUM MOLYBDATE SOLUTION	777	423-D	252
3	OPTR _____, MK 75, T-860, 32.37 %			
	OPTR _____, MK _____, T-_____, _____ %			
	10 RUN 2" (110 G) WATER INTO V-358			
	11 RUN V-359 INTO V-351			
	12 PUMP V-351 INTO V-358			
	13 TURN ON AGITATOR			
358	14 SIFT IN N-108-A FROM S-2			
4	15 ADJUST TO 68" (3216 G) AT 67-69°F			
	RECORD: 67 °F			
	16 STIR 3 MIN. & RECORD: PH 9.8 (9.0-9.5)			
	17 IF NECESSARY, ADJ. TO PH 9.0 - 9.5 & RECORD			
	PH: 9.4 ASSUME 32% HYDROCHLORIC ACID		28-D	
	ASSUME 50% CAUSTIC SODA SOLN		7-D	
	18 RECORD: G/ML 1.060 (1.059-1.060)			
	NOTE: G/ML OUT OF LIMITS FILL OUT CHECK LIST & ATTACH			
	19 STIR AT 67-69°F FOR S-32.			
SV	20 RUN 20" (996 G) WATER INTO V-242			
5	21 RECORD N-41-D STORAGE TANK TO PUMP FROM. CIRCLE ONE: 402 410 411 420 424 425			
	22 CHECK WITH CU SUPV: *STORAGE TANK MUST CONTAIN AT LEAST 1767 GAL: 402=36", 410=19", 411=35", 420=19", 424=19", 425=23"			
	*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			
	23 SET METER FOR 300 G & PUMP TO SV 242			

DEC 1 1982

EQUIP MENT	USE LBS	N- CODE	ACCT LBS
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SV 23 AT APPROX 100 G WHILE CONTINUING TO PUMP,
5 CHECK PH & DENSITY. RECORD BELOW. IF NOT
CONT IN RANGE, STOP PUMPING & SEE SUPV.

* PH: 2.6 (2.2-3.7)

* DENSITY: 1.298 G/ML (1.270-1.328)

24 IF S-23 OK & WHEN S-22 COMPLETE, RECORD
DENSITY 1.294 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.

(1%) **** TABLE ****

G/ML	SETTING	G/ML	SETTING	G/ML	SETTING
1.270	1129	1.291	1024	1.312	935
1.271	1123	1.292	1020	1.313	931
1.272	1118	1.293	1015	1.314	927
1.273	1113	1.294	1011	1.315	923
1.274	1107	1.295	1006	1.316	919
1.275	1102	1.296	1002	1.317	915
1.276	1097	1.297	998	1.318	912
1.277	1092	<u>1.298</u>	<u>993</u>	1.319	908
1.278	1087	1.299	989	1.320	904
1.279	1082	1.300	985	1.321	900
1.280	1077	1.301	980	1.322	897
1.281	1072	1.302	976	1.323	893
1.282	1067	1.303	972	1.324	889
1.283	1062	1.304	968	1.325	885
1.284	1058	1.305	963	1.326	882
1.285	1053	1.306	959	1.327	878
1.286	1048	1.307	955	1.328	875
1.287	1043	1.308	951	1.329	871
1.288	1038	1.309	947	1.330	867
1.289	1034	1.310	943	1.331	864
1.290	1029	1.311	939	1.332	860

26 SET METER & PUMP 993 G (RECORD FROM TABLE)
FLUSH LINE WITH WATER INTO SV FOR APPROXIMATELY
30 SECONDS

27 ADJ LEAD NITRATE TO 3294 G (67° IN 240 & 246,
69° IN 241, 242 & 245, & 67.5° IN 247) AT
67-69°F

RECORD: 68 *F & ICE CONSUMED (330#/BLOCK)

28 STIR 5 MIN & RECORD PH: 3.2 (2.2-3.7)

**** USE TITRIMETER TO ADJUST N-41-D PH ****

29 IF NECESSARY ADJ TO PH 3.8-3.9

ASSUME 32%

& RECORD PH: 3.2

ASSUME 50%

NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE ADDING

30 RECORD: 1.118 G/ML (1.117-1.118) IF OUT OF SPEC

FILL OUT CHECK LIST & ATTACH.

31 STIR AT 67-69°F FOR S-32.

41-D 3800

330X 57-A

28-D 3

EQUIP MENT			USE LBS	N- CODE	USE LBS
SV 6	32	STRIKE V-358 THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV IN 21-23 MIN			
		RECORD: START <u>7:45</u> TOTAL MIN. <u>23</u> (67-71*)			
		NOTE: STRIKE TIME UP WHEN 1/2 V-358 BOTTOM SHOWS & BUBBLES APPEARS IN SIGHT GLASSES			
	33	IMMEDIATELY AT END OF STRIKE WASH IN V-358			
	34	SET TIMER FOR 10 MIN.			
	35	RUN IN USING WEIGHT & FLOW CONTROL PANEL			
		OPTR _____, MK <u>3</u> , <u>30.84</u> %	<u>65</u>	28-D	20
		OPTR _____, MK _____, _____ %			
	36	DUMP IN N-4-A FROM S-1 A.F.A.P.			
	37	AFTER N-4-A IS ADDED, STIR 2 MIN.			
	38	TAKE 8 OZ SAMPLE & RECORD: PH <u>2.3</u> (2.4-2.5)			
		PBXs, <u>+</u> (MUST BE +)			
	39	STIR 10 MIN AFTER ADDITION OF N-4-A			
	40	DUMP IN N-3-A FROM S-3			
	41	STIR 3 MIN			
	42	POUR IN N-32-D FROM S-4			
	43	STIR 2 MIN.			
	44	RUN IN LIQUID ALUM USING BADGER METER	336	115-D	168
	45	STIR 3 MIN & FLUSH ALUM LINE WITH MINIMUM WATER			
	46	DUMP IN N-3-A FROM S-5			
	47	STIR 3 MIN.			
	48	RECORD: PH <u>5.9</u> (5.8-6.0)			
	49	IF NECESSARY, ADJUST TO PH 5.8-6.0		3-A	
		RECORD: PH _____ ASSUME 32%		28-D	
	50	POUR IN N-765-A SOLN FROM S-6			
	51	STIR 5 MIN			
	52	RECORD: PH <u>5.9</u> (5.8-6.0)			
	53	IF NECESSARY, ADJUST TO PH 5.8-6.0		3-A	
		& RECORD: PH _____ ASSUME 32%		28-D	
	54	POUR IN N-994-A SOLN FROM S-7 (MUST BE DISSOLVED)			
	55	STIR 20 MIN.			
	56	DURING S-55 DUMP IN BLANC FIXE N	220	128-A	220
	57	WHEN SCHEDULED, DUMP IN BLEND BACK LISTED ON TOP OF PAGE 1			
		RECORD: CODE _____, LOT _____			
	58	STIR 20 MIN			
	59	FLOOD TO 153" (7298 G) & STOP AGITATOR			
		START <u>7:00</u> FINISH <u>8:15</u> OPTR <u>201</u>			