

OCT 2-2, 1982

#6
K2L035527* LBS.
(EST WT)

COMTYF JOB NAME: 01YE698DMT

BLENDED BACK, CG 01, PQ 98,

(CODE)

(LOT)

(POUNDS)

EQUIP MENT	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) <u>64.42%</u>	<u>93</u>	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 <u>126</u> , MK <u>152.38.12%</u> OPTR _____, MK _____, _____%	<u>4945</u>	10-D	1885
359 3	9 WEIGH IN SODIUM MOLYBDATE SOLUTION OPTR <u>126</u> , MK <u>65</u> , T- <u>370.33.59%</u> OPTR _____, MK _____, T-_____, _____%	<u>902</u>	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 1 <u>9.9</u>			
	14 STIR 5 MIN & RECORD: PH <u>9.9</u> (9.0-10.0)			
	15 ADJ TO PH 9.8-9.9 & RECORD: PH <u>9.9</u> (CAUSTIC SODA SOLUTION) ASSUME 50% ASSUME 66%		7-D 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 <u>66</u> " & <u>69</u> *F			
	18 STIR 5 MIN & RECORD: PH <u>7.6</u> (7.4-7.6) & G/ML <u>1.082</u> (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- <u>242</u> RECORD N-41-D STORAGE TANK TO PUMP FROM. CIRCLE ONE: 402 410 411 420 <u>424</u> 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 SET METER FOR 306 G & PUMP TO SV <u>242</u>			

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LOT: _____ COMTYF JOB NAME: 01YE698DMT PAGE 02 DATE PRINTED: 10/15/82
 EQUIP _____ USE _____ N- _____ ACCT _____
 MENT _____ LBS _____ CODE _____ LBS _____

SV 22 AT APPROX 100 G WHILE CONTINUING TO PUMP,
 5 CHECK PH & DENSITY. RECORD BELOW. IF NOT
 CONT IN RANGE, STOP PUMPING & SEE SUPV.
 * PH: 2.5 (2.2-3.7)
 * DENSITY: 1.303 G/ML (1.270-1.328)
 23 IF S-22 OK & WHEN S-21 COMPLETE, RECORD
 DENSITY 1.303 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	1321
1.288	1553	1.309	1427	1.330	1317
1.289	1546	1.310	1421	1.331	1312
1.290	1540	1.311	1415	1.332	1307

25 SET METER & PUMP 1461 G (RECORD FROM TABLE)
 FLUSH LINE WITH WATER INTO SV FOR APPROXIMATELY
 30 SECONDS

26 ADJ LEAD NITRATE TO 76 (3625 G) AT 67-69°F.

RECORD: 69 *F 75" → V-247
 27 STIR 5 MIN & RECORD PH: 2.6 (2.2-3.7)

28 IF NECESSARY ADJ TO PH 3.0-3.1 ASSUME 66%
 & RECORD PH: 3.1 ASSUME 50%

NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE ADDING
 29 RECORD: 1.147 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.

41-D 5110

57-A

33-D

7-D

Density
 ok as per
 FUN

LOT
EQUIP
MENT

COMTYP JOB NAME: 01YE698DMT PAGE 03

DATE PRINTED: 10/15/82

USE LBS	N- CODE	IACCT LBS
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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 2.40 TO 2.20 FROM FINAL IN-LINE TITRATION. RECORD LOWEST PH <u>1.88</u> & ML N-10-D <u>7.79</u> . <u>180 - 2.90</u>			33-D 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 <u>4:15 PM</u> TOTAL MIN <u>15</u> NOTE: STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS & BUBBLES APPEAR IN SIGHT GLASSES			
	33	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 <u>1.9</u> (1.8-2.5) PBXS, <u>+</u> (MUST BE +)			
	36	STIR TOTAL OF 15 MIN FROM S-33 & RECORD: TEMP <u>71</u> *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	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 <u>2</u> , <u>31.01</u> % <u>339</u> MK _____ % _____		28-D 28-D	105
	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.			
	49	DUMP IN BLANC FIXE N	330	128-A	330
	50	WHEN SCHEDULED, DUMP IN BLEND BACK LISTED ON TOP OF PAGE 1			
	51	RECORD: CODE _____ LOT _____			
	52	STIR 20 MIN			
	53	RECORD: PH <u>5.8</u> (5.8-6.0)			
	54	IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50% & RECORD: PH _____ ASSUME 66%		7-D 33-D	
	54	FLOOD TO 153" (7298 G) & STOP AGITATOR			
		START <u>12:30 PM</u> FINISH <u>3:00 PM</u> OTR <u>12:30 PM</u>			