

MAY 26 1982

F2H64

3098 LBS.

(A) YC-016-R () FWP 10/28/81

(DATE)

(LOT)

(EST WGT)

COMTYP JOB NAME: 01YC016BMA

TYPED BY:

EQUIP MENT	NAME: MOLYBDATE ORANGE	USE LBS	N-CODE (RMCON)	ACCT LBS
PREP 1	1 WEIGH FOR S 33	90	3-A✓	90
	2 WEIGH FOR S-41	80	3-A✓	80
	3 WEIGH IN DRUM FOR S-37	145	32-D✓	145
	4 WEIGH FOR S-27	250	4-A✓	250
356 2	5 RUN 25" (451 G) WATER INTO V-356			
	6 TURN ON AGITATOR AND STEAM			
	7 WEIGH AND SIFT IN	270	131-B	270
	8 HEAT TO AND MAINTAIN 60-66* C FOR S 35			
359 3	9 WEIGH IN. OPTR <u>86</u> , MK <u>30</u> , T <u>360</u> , <u>31.60</u> %	<u>677</u>	423-D	291
	OPTR _____, MK _____, T _____, _____ %		<u>142-D</u>	<u>252</u>
351 4	10 WEIGH IN OPTR <u>86</u> , MK <u>166</u> , <u>37.98</u> %	<u>3009</u>	10-D	1141
4	OPTR _____, MK _____, _____, _____ %			
	11 RUN IN V-359			
358 5	12 RUN 10" (473 G) WATER INTO V-358			
	13 PUMP V-351 INTO V-358			
	14 ADJ TO 68" (3216 G) AT 67-69*F. RECORD: <u>68</u>			
	15 STIR 3 MIN. RECORD: <u>65</u> *F & PH <u>10.5</u>			
	16 IF NECESSARY, ADJ TO PH 9.8-9.9 ASSUME 50%		7-D	
	RECORD: PH <u>9.8</u> ASSUME 66%		33-D	
	17 RECORD: G/ML <u>1.047</u> (1.044-1.047)			
SV 6	18 RUN 40" (1908 G) WATER INTO V- <u>241</u>			
	19 RUN IN FROM V-354			
	OPTR <u>86</u> , MK <u>299</u> , <u>120</u> *F, <u>27.77</u> %	<u>10972</u>	41-D	3047
	OPTR _____, MK _____, _____ *F, _____ %			
	20 ADJ TO 3148 G AT 67-69*F (64" IN V-240 & V-246; 66" IN V-241, V-242, & V-245)			
	21 STIR 3 MIN RECORD: <u>69</u> *F	<u>1650</u>	57-A	<u>1650</u>
	22 RECORD: PH <u>3.7</u> (2.8-3.6)			
	23 ADJ TO PH 4.0-4.1 ASSUME 66%		33-D	
	RECORD: PH <u>4.1</u> & VOL <u>66</u> ASSUME 50%	<u>5</u>	7-D	<u>2</u>
	NOTE: DILUTE N-7-D 10:1 WITH WATER			
	24 RECORD: G/ML <u>1.097</u> (1.097-1.100)			
	25 OBTAIN 1 QT SAMPLES OF S-17 & S-24 SOLUTIONS & TITRATE TWICE			
	RECORD: LOWEST PH _____ & ML N-10-D _____			
	LOWEST PH _____ & ML N-10-D _____			
	NOTIFY SUPV IF ML N-10-D IS NOT IN RANGE			
	8.0-8.6 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			

PROCEED TO PAGE 2

MAY 27 1982

N37674

MAKING INSTRUCTIONS: BATCH UNIT

EQUIP MENT		PAGE 02 OF 2 CG 01 CODE YC-016-B	USE LBS	N-CODE	ACCT LBS
	26	RUN V-358 AT 67-69°F THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV AT 67-69°F IN 17-19 MIN			
		RECORD: START <u>3:28 PM</u> M & TOTAL MIN _____			
		NOTE: V-358 STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS MT			
SV 6	27	WHEN S 26 COMPLETED AND BEFORE WASHING IN V-358, DUMP IN N-4-A FROM S-4			
(CONT)	28	RUN IN USING WEIGHT AND FLOW CONTROL PANEL OPTR _____, MK _____, <u>29.89%</u>	<u>74</u>	28-D	22
		OPTR _____, MK _____, _____%		28-D	
	29	DURING S'S 27 AND 28 (IF ALONE, AFTER S'S 27 & 28) WASH IN V-358			
	30	STIR 2 MIN			
	31	RECORD: PH <u>2.1</u> (2.2-2.5) & PB XS' <u>+</u> (+)			
	32	STIR TOTAL OF 15 MIN FROM COMPLETION OF S 26 RECORD: START <u>3:48</u> TOTAL MIN <u>15</u>			
	33	DUMP IN N-3-A FROM S 1			
	34	STIR 3 MIN			
	35	RUN IN N-131-B FROM S 3 IN 7 MIN			
	36	STIR 3 MIN			
	37	POUR IN N-32-D FROM S-3			
	38	STIR 2 MIN			
	39	RUN IN USING BADGER METER	450	115-A	225
	40	STIR 3 MIN & FLUSH ALUM LINES WITH WATER			
	41	DUMP IN N-3-A FROM S 2			
	42	STIR 3 MIN			
	43	RECORD: PH <u>5.1</u> (5.8-6.0)			
	44	IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50% RECORD: PH <u>6.0</u> ASSUME 66%	<u>30</u>	7-D 33-D	<u>15</u>
	45	FLOOD TO 153' (7298 G)			
	46	STOP AGITATOR			
		START <u>11:00 AM</u> FINISH _____ OPTR <u>86-88</u>			

CG 01 CODE YC-016-B PQ 93

PROCESSES
(A) YC-016-B ()

APPROVED BY
FWP 10/28/81

MAY 26 1982

F2H65

3098 LBS.

COMTYP JOB NAME: 01YC016BMA

(DATE)

(LOT)

(EST WGT)

TYPED BY:

EQUIP MENT	NAME: MOLYBDATE ORANGE	USE LBS	N-CODE (RMCON)	ACCT LBS
PREP	WEIGH FOR S 33	90	3-A	90
1	WEIGH FOR S-41	80	3-A	80
	WEIGH IN DRUM FOR S-37	145	32-D	145
	WEIGH FOR S-27	250	4-A	250
358	RUN 25" (451 G) WATER INTO V-356			
2	TURN ON AGITATOR AND STEAM			
	WEIGH AND SIFT IN	270	131-B	270
	HEAT TO AND MAINTAIN 60-66* C FOR S 35			
359	WEIGH IN. OPTR 114, MK 31, T-360, 31.30%	684	142-D	252
3	OPTR, MK, T, %			
351	WEIGH IN OPTR 114, MK 168, 37.49%	3043	10-D	1144
4	OPTR, MK			
4	RUN IN V-359			
358	RUN 10" (473 G) WATER INTO V-358			
5	PUMP V-351 INTO V-358			
70	ADJ TO 68" (3216 G) AT 67-69*F. RECORD:			
	STIR 3 MIN. RECORD: 68 *F & PH 9.6			
	IF NECESSARY, ADJ TO PH 9.8-9.9 ASSUME 50%	2	7-D	1
	RECORD: PH 9.8 ASSUME 66%		33-D	
	RECORD: G/ML 1.044 (1.044-1.047)			
SV	RUN 40" (1908 G) WATER INTO V-241			
6	RUN IN FROM V-354			
	OPTR 114, MK 303, 100 *F, 28.05%	10863	41-D	3047
	OPTR, MK 304, 100 *F, 27.84%	521	41-D	145
	ADJ TO 3148 G AT 67-69*F (64" IN V-240 & V-246, 66" IN V-241, V-242, & V-245)			
	STIR 3 MIN RECORD: 69 *F		57-A	
	RECORD: PH 3.6 (2.8-3.6)			
	ADJ TO PH 4.0-4.1 ASSUME 66%		33-D	
	RECORD: PH 4.0 & VOL 685 ASSUME 50%	4	7-D	2
	NOTE: DILUTE N-7-D 10:1 WITH WATER			
	RECORD: G/ML 1.091 (1.097-1.100) 1.096			
	OBTAIN 1 QT SAMPLES OF S-17 & S-24			
	SOLUTIONS & TITRATE TWICE			
	RECORD: LOWEST PH 3.21 & ML N-10-D 2.83			
	LOWEST PH 3.22 & ML N-10-D 2.84			
	NOTIFY SUPV IF ML N-10-D IS NOT IN RANGE			
	8.0-8.6 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			

MAY 28 1982

PROCEED TO PAGE 2

MAKING INSTRUCTIONS: BATCH UNIT

EQUIP MENT		PAGE 02 OF 2 CG 01 CODE YC-016-B	USE LBS	N-CODE	ACCT LBS
	26	RUN V-358 AT 67-69°F THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV AT 67-69°F IN 17-19 MIN			
		RECORD: START <u>8:50 AM</u> & TOTAL MIN <u>19</u>			
		NOTE: V-358 STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS MT			
SV 6	27	WHEN S 26 COMPLETED AND BEFORE WASHING IN V-358, DUMP IN N-4-A FROM S-4			
(CONT)	28	RUN IN USING WEIGHT AND FLOW CONTROL PANEL OPTR _____, MK _____, <u>29.8%</u> OPTR _____, MK _____, _____%	<u>74</u>	28-D 28-D	22
	29	DURING S'S 27 AND 28 (IF ALONE, AFTER S'S 27 & 28) WASH IN V-358			
	30	STIR 2 MIN			
	31	RECORD: PH <u>2.2</u> (2.2-2.5) & PB XS' <u>+</u> (+)			
	32	STIR TOTAL OF 15 MIN FROM COMPLETION OF S 26 RECORD: START <u>2:09 PM</u> TOTAL MIN <u>15</u>			
	33	DUMP IN N-3-A FROM S 1			
	34	STIR 3 MIN			
	35	RUN IN N-131-B FROM S 3 IN 7 MIN			
	36	STIR 3 MIN			
	37	POUR IN N-32-D FROM S-3			
	38	STIR 2 MIN			
	39	RUN IN USING BADGER METER	450	115-A	225
	40	STIR 3 MIN & FLUSH ALUM LINES WITH WATER			
	41	DUMP IN N-3-A FROM S 2			
	42	STIR 3 MIN			
	43	RECORD: PH <u>5.5</u> (5.8-6.0)	<u>30</u>	7-D	<u>15</u>
	44	IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50% RECORD: PH <u>5.95</u> ASSUME 66%		33-D	
	45	FLOOD TO 153' (7298 G)			
	46	STOP AGITATOR			
		START <u>2:00 PM</u> FINISH <u>10:10 AM</u> OPTR <u>114-027</u> <u>86-</u>			

CG 01 CODE YC-016-B PQ 93

PROCESSES APPROVED BY
(A) YC-016-B () FWP 10/28/81

MAY 27 1982 F2H83

3098 LBS.

COMTYF JOB NAME: 01YC016BMA
TYPED BY:

(DATE) (LOT) (EST WGT)

EQUIP MENT	NAME: MOLYBDATE ORANGE	USE LBS	N-CODE (RMCON)	ACCT LBS
PREP				
1	1 WEIGH FOR S 33	90	3-A	90
	2 WEIGH FOR S-41	80	3-A	80
	3 WEIGH IN DRUM FOR S-37	145	32-D	145
	4 WEIGH FOR S-27	250	4-A	250
356	5 RUN 25" (451 G) WATER INTO V-356			
2	6 TURN ON AGITATOR AND STEAM			
	7 WEIGH AND SIFT IN	270	131-B	270
	8 HEAT TO AND MAINTAIN 60-66* C FOR S 35			
359	9 WEIGH IN. OPTR _____, MK <u>31</u> , T- <u>360</u> <u>31.30</u> %	<u>684</u>	420-D	214
3	OPTR _____, MK _____, T- _____, %		<u>1420</u>	<u>252</u>
351	10 WEIGH IN. OPTR _____, MK <u>169</u> , <u>38.05</u> %	<u>2997</u>	10-D	1141
4	OPTR _____, MK _____, %			
4	11 RUN IN V-359			
358	12 RUN 10" (473 G) WATER INTO V-358			
5	13 PUMP V-351 INTO V-358			
	14 ADJ TO 68" (3216 G) AT 67-69*F. RECORD: <u>69</u>			
	15 STIR 3 MIN. RECORD: _____ *F & PH <u>9.8</u>			
	16 IF NECESSARY, ADJ TO PH 9.8-9.9 ASSUME 50% RECORD: PH _____ ASSUME 66%		7-D	
	17 RECORD: G/ML <u>1.042</u> (1.044-1.047)		33-D	
SV	18 RUN 40" (1908 G) WATER INTO V- <u>241</u>			
6	19 RUN IN FROM V-354 OPTR <u>E.C.</u> , MK <u>305</u> , <u>100</u> *F, <u>28.26</u> %	<u>10782</u>	41-D	3047
	OPTR _____, MK _____, *F, _____ %			
	20 ADJ TO 3148 G AT 67-69*F (64" IN V-240 & V-246, 66" IN V-241, V-242, & V-245)			
	21 STIR 3 MIN RECORD: <u>68</u> *F		57-A	
	22 RECORD: PH <u>4.2</u> (2.8-3.6)			
	23 ADJ TO PH 4.0-4.1 ASSUME 66% RECORD: PH <u>4.1</u> & VOL _____ ASSUME 50%	<u>2</u>	33-D	<u>1</u>
	NOTE: DILUTE N-7-D 10:1 WITH WATER		7-D	
	24 RECORD: G/ML <u>1.098</u> (1.097-1.100)			
	25 OBTAIN 1 QT SAMPLES OF S-17 & S-24 SOLUTIONS & TITRATE TWICE RECORD: LOWEST PH <u>3.35</u> & ML N-10-D <u>8.28</u> LOWEST PH <u>3.25</u> & ML N-10-D <u>8.28</u>			
	NOTIFY SUPV IF ML N-10-D IS NOT IN RANGE 8.0-8.6 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			

MAY 28 1982

PROCEED TO PAGE 2

MAKING INSTRUCTIONS: BATCH UNIT

EQUIP MENT		PAGE 02 OF 2 CG 01 CODE YC-016-B	USE LBS	N-CODE	ACCT LBS
	26	RUN V-358 AT 67-69°F THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV AT 67-69°F IN 17-19 MIN			
		RECORD: START <u>1:45 PM</u> & TOTAL MIN <u>19</u> NOTE: V-358 STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS MT			
SV 6	27	WHEN S 26 COMPLETED AND BEFORE WASHING IN V-358, DUMP IN N-4-A FROM S-4			
(CONT)	28	RUN IN USING WEIGHT AND FLOW CONTROL PANEL OPTR _____, MK _____, <u>29.89</u> % OPTR _____, MK _____, _____%	<u>74</u>	28-D 28-D	22
	29	DURING S'S 27 AND 28 (IF ALONE, AFTER S'S 27 & 28) WASH IN V-358			
	30	STIR 2 MIN			
	31	RECORD: PH <u>2.5</u> (2.2-2.5) & PB XS' <u>1</u> (+)			
	32	STIR TOTAL OF 15 MIN FROM COMPLETION OF S 26 RECORD: START <u>2:05 PM</u> TOTAL MIN <u>15</u>			
	33	DUMP IN N-3-A FROM S 1			
	34	STIR 3 MIN			
	35	RUN IN N-131-B FROM S 3 IN 7 MIN			
	36	STIR 3 MIN			
	37	POUR IN N-32-D FROM S-3			
	38	STIR 2 MIN			
	39	RUN IN USING BADGER METER	450	115-A	225
	40	STIR 3 MIN & FLUSH ALUM LINES WITH WATER			
	41	DUMP IN N-3-A FROM S 2			
	42	STIR 3 MIN			
	43	RECORD: PH <u>5.6</u> (5.8-6.0)			
	44	IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50% RECORD: PH <u>5.8</u> ASSUME 66%	<u>30</u>	7-D 33-D	<u>15</u>
	45	FLOOD TO 153' (7298 G)			
	46	STOP AGITATOR			
		START <u>9:00 AM</u> FINISH <u>2:55 PM</u> OPTR <u>86-</u>			

ME-7190

XC-46
E2H3
U-24
5/22



