

CG 50 CODE YF 562-D PKG ---

PROCESSES

APPROVED BY:

10 4 8 V  
( DATE )YF 4-A  
K2J20-1  
( LOT NUMBER )

( ) YT-562-D (P)

EWK 12/23/81

COMTYP JOB NAME: 50YT562DMP

EST. WT. 2525\* LBS.

STANDARD HRS. ---

TIME 7A M

PREPARATION NOTES:

Split off 100# dy (300#) purchase  
to YT-675-P K2J24

UN-BLEEDING

| EQUIP<br>MENT | NAME: GREEN GOLD                         | USE<br>LBS | N-CODE | ACCT<br>LBS |
|---------------|------------------------------------------|------------|--------|-------------|
| PREP          | 1 OBTAIN 2,4 DIHYDROXY QUINULINE FOR S 4 |            | 44-C   |             |
| 1             | 2 OBTAIN P-CHLORO ANILINE FOR S 9        |            | 613-C  |             |

|     |   |                                             |     |     |     |  |
|-----|---|---------------------------------------------|-----|-----|-----|--|
| 283 | 7 | RUN 39" (2037 G) WATER INTO V-283 &         |     |     |     |  |
| 2   |   | HEAT TO 85-90 DEG F                         |     |     |     |  |
|     | 4 | DUMP & RINSE IN 2,4-DIHYDROXY QUINOLINE     |     |     |     |  |
|     |   | FROM S1                                     |     |     |     |  |
|     |   | LOT 100%                                    |     |     |     |  |
|     |   | NOTE: 1415 260 43.4 600                     |     |     |     |  |
|     |   | WEIGH AND 1418 129 43.0 300                 |     |     |     |  |
|     |   | RECORD ALL 1413 124 41.4 300                |     |     |     |  |
|     |   | N-44-C 1423 152 50.5 300                    |     |     |     |  |
|     |   | 1411 137 45.6 300                           |     |     |     |  |
|     |   | 1412 152 50.5 300                           |     |     |     |  |
|     |   | 1412 102 50.5 300                           |     |     |     |  |
|     |   | 1413 123 41.4 215                           |     |     |     |  |
|     |   | 1416 9 44.6 16                              |     |     |     |  |
|     |   | only 89#                                    |     |     |     |  |
|     | 5 | DUMP IN SODIUM CARBONATE                    | 408 | 3-A | 408 |  |
|     | 6 | ADJ TO 54" (2836G) AT 85-90F & STIR TO SOLN |     |     |     |  |

|    |    |                                             |      |       |     |  |
|----|----|---------------------------------------------|------|-------|-----|--|
| DV | 7  | RUN 17" (595 G) WATER INTO V-               |      |       |     |  |
| 3  | 8  | RUN IN HYDROCHLORIC ACID FROM V 324         |      |       |     |  |
|    |    | M 2 31.01 %                                 | 1986 | 28-D  | 616 |  |
|    | 9  | HEAT TO 68-72 DEG F & DUMP IN FROM S 2      |      |       |     |  |
|    |    | NOTE (1) THE RESOURCE CONSERVATION LOT      | 876  | 613-C | 876 |  |
|    |    | RECOVERY BILL HAS CLASSIFIED PARA- 158      |      |       |     |  |
|    |    | CHLORANILINE (N-613-C) A HAZARDOUS          |      |       |     |  |
|    |    | WASTE MATERIAL. THIS REQUIRES               |      |       |     |  |
|    |    | EMPTY N613C CONTAINERS TO BE GIVEN 3 WATER  |      |       |     |  |
|    |    | RINSES WITH 135-145* F WATER FROM HOT WATER |      |       |     |  |
|    |    | MIXER INTO DV BEFORE DISPOSING.             |      |       |     |  |
|    |    | NOTE (2) N-613-C IS EXTREMELY TOXIC DESTROY |      |       |     |  |
|    |    | DRUMS PER STANDARD PRACTICE                 |      |       |     |  |
|    | 10 | STIR 30 MIN OR LONGER TO DISSOLVE FOR S 13  |      |       |     |  |
|    |    | RECORD: START 11:12                         |      |       |     |  |

|    |    |                                          |  |  |  |  |
|----|----|------------------------------------------|--|--|--|--|
| CV | 11 | RUN 1" (98 G) WATER INTO V 182 & INSTALL |  |  |  |  |
| 4  |    | TEMP CHART                               |  |  |  |  |
|    | 12 | WHEN S 6 STIR COMPLETE, RUN IN DV THRU   |  |  |  |  |
|    |    | SCREEN                                   |  |  |  |  |

EL

| EQUIP<br>MENT |     | PAGE 2 OF 3 CG 50 CODE YT-562-D (P)                        | USE<br>LBS | N-CODE | ACCT<br>LBS |
|---------------|-----|------------------------------------------------------------|------------|--------|-------------|
| DV<br>5       | 143 | WHEN S 10 STIR COMPLETE, ADJ TO 58" (2000G)                | 7x330      | 57-A   | 2310        |
|               | 144 | AT 56-60 DEG F. ICE                                        |            |        |             |
|               | 144 | SIPHON IN IN 10-12 MIN. SODIUM NITRITE                     | 1442       | 725-A  | 481         |
|               | 145 | STIR 5 MIN & RECORD: KI <u>9</u> , MUST BE +               | 102        | 725-A  | 33          |
|               | 146 | STIR 30 MIN AT 60-72 DEG F MAINTAINING                     |            |        |             |
|               | 147 | +CR, +KI FOR S 20. RECORD: TIME START <u>12:30</u>         |            | 57-A   |             |
|               | 148 | CR <u>+</u> (+) KI <u>+</u> (+)                            |            |        |             |
|               | 149 | NOTE: (1) IF CR-, KI-, ADD 20# "AS IS"                     |            |        |             |
|               | 150 | INCREMENTS HYDROCHLORIC ACID ASSUME 32%                    |            | 28-D   |             |
|               | 151 | RECORD: CR <u>+</u> (+), KI <u>+</u> (+)                   |            |        |             |
|               | 152 | (2) IF CR+, KI-, ADD 20# "AS IS" INCREMENTS                |            |        |             |
|               | 153 | SODIUM NITRITE ASSUME 33%                                  |            | 725-A  |             |
|               | 154 | RECORD: CR <u>+</u> (+) KI <u>+</u> (+)                    |            |        |             |
| 283<br>6      | 147 | RUN 15" (760 G) WATER INTO V 283 & HEAT TO                 |            |        |             |
|               | 148 | 66-80 DEG F                                                |            |        |             |
|               | 148 | DUMP IN NICKEL SULFATE & STIR TO DISSOLVE                  | 1033       | 707-B  | 1033        |
|               | 149 | SIPHON IN IN 10-12 MIN & STIR FOR S 29                     | 561        | 122-D  | 561         |
|               | 150 | AMMONIUM HYDROXIDE                                         |            |        |             |
| DV<br>7       | 120 | WHEN S 16 STIR COMPLETE, TEST DV & RECORD:                 |            |        |             |
|               | 121 | CR <u>+</u> (+), KI <u>+</u> (+), TEMP <u>85</u> (60-72°F) |            | 57-A   |             |
|               | 122 | NOTE: (1) IF CR-, KI-, ADD 20# "AS IS"                     |            |        |             |
|               | 123 | INCREMENTS HYDROCHLORIC ACID ASSUME 32%                    |            | 28-D   |             |
|               | 124 | RECORD: CR <u>+</u> (+) KI <u>+</u> (+)                    |            |        |             |
|               | 125 | (2) IF CR+, KI-, ADD 20# "AS IS" INCREMENTS                |            |        |             |
|               | 126 | SODIUM NITRITE ASSUME 33%                                  |            | 725-A  |             |
|               | 127 | RECORD: CR <u>+</u> (+) KI <u>+</u> (+)                    |            |        |             |
|               | 128 | SETTLE 15-30 MIN FOR S 23                                  |            |        |             |
|               | 129 | RECORD: <u>85</u> " DV, START <u>85</u>                    |            |        |             |
| CV<br>8       | 122 | ADJ CV TO 82-88 DEG F AT 42" (4074 G)                      |            |        |             |
|               | 123 | RECORD: HT <u>85</u> F & REC <u>85</u> F                   |            |        |             |
|               | 124 | WHEN S 21 SETTLING COMPLETE, COUPLE DV                     |            |        |             |
|               | 125 | UNDERSURFACE IN 60-70 MIN                                  |            |        |             |
|               | 126 | RECORD: START <u>2:10</u> , TOTAL MIN <u>70</u>            |            |        |             |
|               | 127 | DRAIN IN DV 5 MIN & WASH IN LINE ONLY                      |            |        |             |
|               | 128 | STIR 30 MIN. & DISCONNECT TRANSFER LINE AT                 |            |        |             |
|               | 129 | CV IMMEDIATELY                                             |            |        |             |
|               | 130 | RECORD: DIAZO <u>+</u> (-), BASE <u>-</u> (+),             |            |        |             |
|               | 131 | PH <u>9.6</u> (8.9-9.0)                                    |            |        |             |
|               | 132 | (1) IF DIAZO +, BASE -, & PH BELOW 8.0                     |            |        |             |
|               | 133 | (A) ADJ TO PH 8.0-9.0 SODIUM CARBONATE                     |            | 3-A    |             |
|               | 134 | (B) RECORD: PH <u>9.5</u>                                  |            |        |             |
|               | 135 | (2) IF DIAZO+, BASE-, & PH 8.0 OR ABOVE                    |            |        |             |
|               | 136 | (A) ADD 10# 100% N-44-C TO A 55G DRUM                      |            |        |             |
|               | 137 | 2,4-DIHYDROXY QUINOLINE <u>44.6</u>                        | 80         | 44-C   | 36          |
|               | 138 | (B) ADJ WITH WATER TO (+, -) 25 G                          |            |        |             |
|               | 139 | (C) STIR TO DISSOLVE                                       |            |        |             |
|               | 140 | (D) POUR INTO CV                                           |            |        |             |
|               | 141 | (E) STIR 10 MIN                                            |            |        |             |
|               | 142 | (3) REPEAT (1) & (2) ABOVE AS NECESSARY                    |            |        |             |
|               | 143 | TO - DIAZO, + BASE                                         |            |        |             |

| EQUIP<br>MENT                               | PAGE 3 OF 3 CG 50 CODE YT-562-D (P)          | USE<br>LBS | N-CODE | ACCT<br>LBS |
|---------------------------------------------|----------------------------------------------|------------|--------|-------------|
| CV 127                                      | HEAT TO 148-152 DEG F IN 32-38 MIN           |            |        |             |
| 8 128                                       | STIR 20-25 MIN AT 148-152 DEG F. DURING      |            |        |             |
| CON'T 129                                   | STIR WASH DV TO SEWER                        |            |        |             |
|                                             | RUN IN V 283 IN 20-25 MIN MAINTAINING        |            |        |             |
|                                             | 148-152 DEG F                                |            |        |             |
| 130                                         | STIR 5 MIN & RECORD: PH <u>8.8</u> (7.8-8.8) |            |        |             |
| 131                                         | DUMP IN BARIUM SULFATE                       | 250        | 65-A   | 250         |
| 132                                         | STIR 60 MIN AT 148-152 DEG F                 |            |        |             |
|                                             | RECORD: START <u>6:35 PM</u>                 |            |        |             |
| 133                                         | FLOOD TO <u>84</u>                           |            |        |             |
| 134                                         | STOP AGITATOR                                |            |        |             |
| 135                                         | TAKE 1 QT SAMPLE                             |            |        |             |
|                                             | S 33                                         |            |        |             |
|                                             | V-105 V-106 V-100 V-182                      |            |        |             |
|                                             | 94" 96" 83" 84"                              |            |        |             |
|                                             | GAL (9174G) (9322G) (8250G) (8300G)          |            |        |             |
|                                             | <u>7A</u> <u>3P</u> <u>120</u>               |            |        |             |
|                                             | START FINISH OPTR                            |            |        |             |
|                                             | <u>3:00 PM</u> <u>7:45 PM</u> <u>237</u>     |            |        |             |
|                                             | -----                                        |            |        |             |
|                                             | -----                                        |            |        |             |
|                                             | -----                                        |            |        |             |
| SUPERVISOR NOTE:                            |                                              |            |        |             |
| (1) IF DIAZO + AFTER INITIAL COUPLING (S26) |                                              |            |        |             |
| ADVISE PROCESSING TO:                       |                                              |            |        |             |
| (A) LOAD IN DRUMS @ 325# NET AS PRESSCAKE   |                                              |            |        |             |
| TAKE 1 QT SAMPLE. DO NOT DRY.               |                                              |            |        |             |
| (B) HIGH PRESSURE HOSE PRESS AND BOX AFTER  |                                              |            |        |             |
| DROPPING BEFORE FILLING NEXT BATCH.         |                                              |            |        |             |
| SUPERVISOR _____                            |                                              |            |        |             |
| DATE _____                                  |                                              |            |        |             |