

243, 244, 246, 247, 262

C.V.

MAKING INSTRUCTIONS: BATCH UNIT

D.V.

CG 03 CODE KY-788-D PKG.

→ Nov 3 32488

EST. WGT. 1940 LBS.

STD. HRS.

TIME

5P 20M

14 YC-3-B 93 4 Lot , #

14 YC-3-B 93 4 Lot 2335, 4000

14 YC-3-B 93 4 Lot 23353, 1900

NOV - 4 1979

PULSED &amp; UNPULSED

Total Wgt. 7340# (Req. )

NON-BLEEDING

| IPMENT | NAME: KROLOR® YELLOW LIGHT                                                                                 | USE LBS. | N CODE | ACCT LBS. |
|--------|------------------------------------------------------------------------------------------------------------|----------|--------|-----------|
| 203    | 1 Run 50" (827 G) water into V-203                                                                         |          |        |           |
| &      | 2 Weigh in drum & pour in                                                                                  | 715      | 32-D   | 715       |
| 205    | 3 Dump in & stir 5 min                                                                                     | 108x50   | YC-3-B | 5400      |
| 1      | Record: Start                                                                                              | 2335     | 4000   |           |
|        | Fin                                                                                                        | 23353    | 1900   |           |
|        | 4 Adj to 80" (1360 G)                                                                                      |          |        |           |
|        | 5 Pump V-203 thru Homog at 2400-2600 psi into V-205                                                        |          |        |           |
|        | 6 When V-203 MTY, wash color thru Homog at 1800-2200 psi using minimum water. Use Hot Water                |          |        |           |
|        | 7 Record: V-205 Vol 49" & adj to 54" (1900 G) (V-263 : 43")                                                |          |        |           |
|        | 8 Inspect Homog strainer & clean if necessary                                                              |          |        |           |
| SV     | 9 Run 2 (200 G) into V-262 Install temp chart & start                                                      |          |        |           |
| &      | agitator                                                                                                   |          |        |           |
| 205    | 10 Pump V-205 thru Homog at 4800-5200 psi into SV-                                                         |          |        |           |
| 2      | Record: Time Start 5PM Total Min 120                                                                       |          |        |           |
|        | NOTE: If homog pressure falls below 4800 psi, 3-way valve will recirculate slurry to V-205                 |          |        |           |
|        | 11 When V-205 MTY, run in 5" (240 G) water & pump thru Homog at 4800-5200 psi. Rinse in using Hot Water    |          |        |           |
| 349    | 12 While Homog, run 6" (284 G) water into V-349                                                            |          |        |           |
| &      | 13 Run 1000# water into V-384 & heat to 110-120°F                                                          |          |        |           |
| 384    | 14 Weigh into V-384 & pump to V-349                                                                        | 2525     | 32-D   | 2525      |
| 3      | 15 Run 1000# water into V-384 & pump to V-349                                                              |          |        |           |
|        | 16 Adj V-349 to (25") (1163 G) & stir 15 min or longer                                                     |          |        |           |
|        | 17 Record: Be 10.75 (10.2) (1.073-1.076)                                                                   |          |        |           |
| SV     | 18 When S-11 Homog complete, adj SV to 2.1" (2100 G)                                                       |          |        |           |
| 4      | 19 Record: pH 9.6 & adj to 11.0-11.2 using N-7-D diluted to 8% (10 parts water to 1 part N-7-D) Assume 50% | 40       | 7-D    | 20        |
|        | Siphon into SV & Record: pH 11.1                                                                           |          |        |           |
|        | 20 Heat to 190-194°F in 35-45 min (V-262) or min 55-65 min (V-243, 244, 246, 247)                          |          |        |           |
|        | Record: HT OF & Rec OF                                                                                     |          |        |           |
|        | NOTE: Strike must be started immediately on completion of heating                                          |          |        |           |
| 343    | 21 While heating SV, run 56" (1520 G) water into V-343                                                     |          |        |           |
| &      | 22 Water in from V-386 M 73, 9.12 Gal 39.6                                                                 |          |        |           |
| 386    | 23 Stir 15 min or longer                                                                                   |          |        |           |
| 5      | 24 Record: Be 10.17 (2.65 ± 0.1) (1.015-1.017)                                                             |          |        |           |

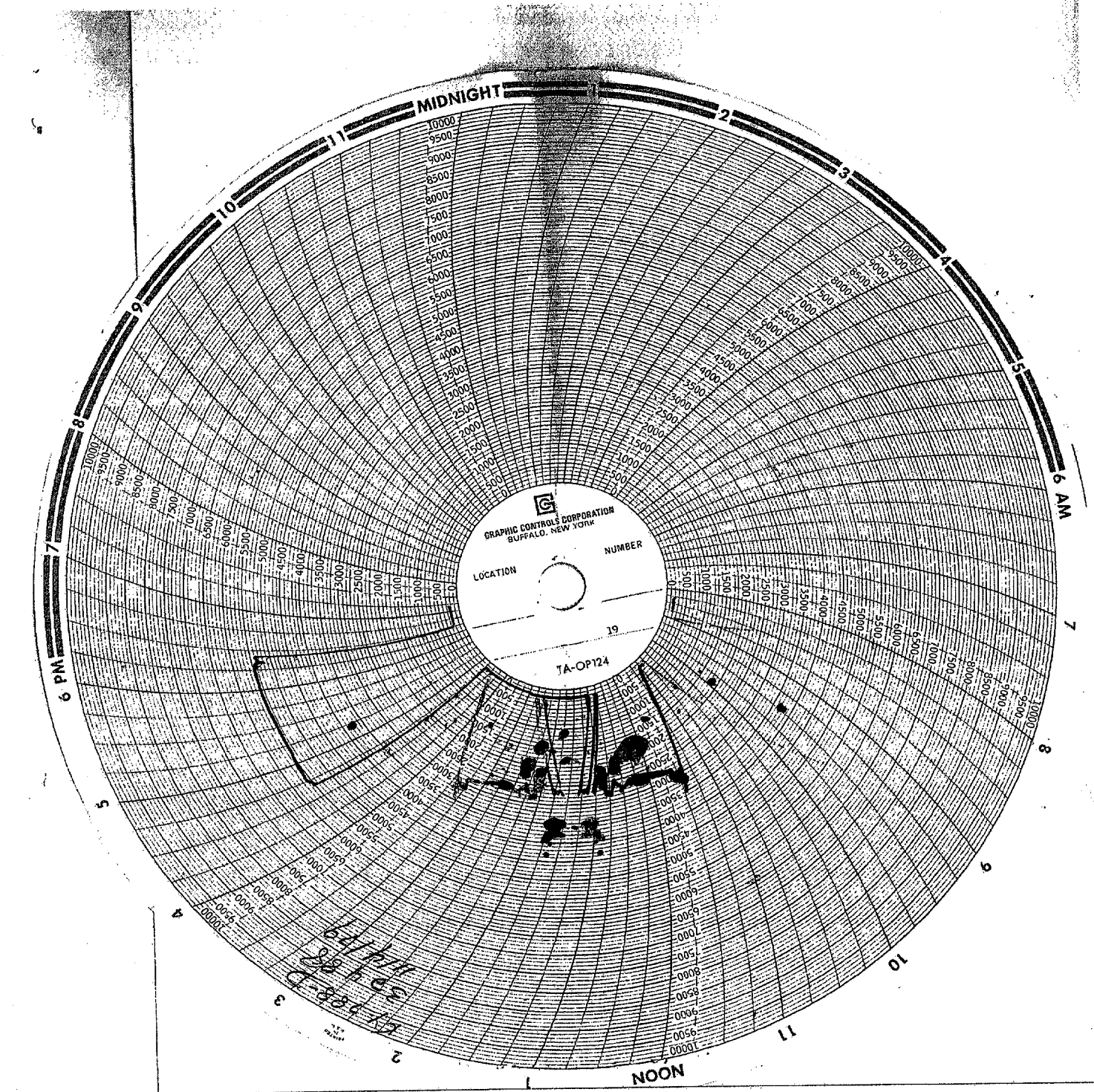
REV.

N32225

Y-262

| INSTRUMENT | PAGE 2 CG 03 CODE KY-788-D (I) EST. WGT.                                              | 7340 LBS. | USE LBS. | N CODE   | ACC LB.    |             |
|------------|---------------------------------------------------------------------------------------|-----------|----------|----------|------------|-------------|
| SV 6       | 25 When S 20 heating complete, Record: pH 9.5 (9.5-10.1)                              |           |          |          |            |             |
|            | 26 Set V-343 acid pump at (69) setting ( $\pm 255$ min)                               |           |          |          |            |             |
|            | 27 Set V-349 silicate pump at (60) setting ( $\pm 210$ min)                           |           |          |          |            |             |
|            | 28 Immediately meter in V-343 & V-349. Maintain SV at 190-194°F during strike         |           |          |          |            |             |
|            | 29 Record:                                                                            | Start     | Fin      | Min      |            |             |
|            | V-343                                                                                 | 9:40      | 2:15 AM  | 2:15     |            |             |
|            | V-349                                                                                 | 7:10 PM   | 1:10 AM  | 2:10     |            |             |
|            | Record:                                                                               | Time      | V-343 in | V-349 in | SV         | Normal      |
|            | at 20 min                                                                             | 10:00     | (52) 53  | (22) 22  | 9.5        | 9.3-10.0    |
|            | 40 min                                                                                | 10:20     | (48) 49  | (20) 20  | 9.5        | 9.3-10.0    |
|            | 1 hr                                                                                  | 10:40     | (43) 44  | (18) 18  | 9.5        | 9.3-10.0    |
|            | 2 1/2 hrs                                                                             | 11:00     | (27) 30  | (9) 9    | 9.6        | 9.3-10.0    |
|            | 3 1/2 hrs                                                                             | 1:10      | (10) 11  | (0) 0    | 9.6        | 9.3-10.0    |
|            | Finish                                                                                | 1:06      | (0) 0    | (0) 0    | 7.3        | 7.5- 8.5    |
|            | NOTE: (1) If pH not as specified, notify Supervisor & note in log                     |           |          |          |            |             |
|            | (2) If final pH is above 8.5, adj pH to 7.5-8.5 & Record: pH Assume 78%               |           |          |          |            | 27-D        |
| 330 7      | 30 Run 22" (431 G) water into V-330 & heat to 160-170°F                               |           |          |          |            |             |
|            | 31 Add in 12-13 min                                                                   |           |          |          | 700        | 530-A 700   |
|            | 32 Stir 5 min & Record: pH 10.1 (9.5-10.5)                                            |           |          |          |            |             |
|            | 33 Stir 20 min or longer to dissolve for S 46                                         |           |          |          |            |             |
| 357 8      | 34 Run 29" (210 G) water into V-357 & heat to 135-140°F                               |           |          |          |            |             |
|            | 35 Dump in & stir to dissolve for S 42                                                |           |          |          | 450        | 15-A 450    |
| 302 9      | 36 Run 36" (440 G) water into V-302                                                   |           |          |          |            |             |
|            | 37 Add & stir 2 min for S 44                                                          |           |          |          | Assume 50% | 440 7-D 220 |
| SV 10      | 38 When V-349 MTY, rinse in with minimum water then set pump at zero setting          |           |          |          |            |             |
|            | 39 When V-343 MTY, rinse in with minimum water then turn off pump motor               |           |          |          |            |             |
|            | 40 Turn off steam                                                                     |           |          |          |            |             |
|            | 41 Sift in                                                                            |           |          |          | 250        | 128-A 250   |
|            | 42 Run in V-357 from S 35 & stir 5 min                                                |           |          |          |            |             |
|            | 43 Record: pH 4.0 (3.7-4.2)                                                           |           |          |          |            |             |
|            | 44 Run in N-7-D from S 37 in 10-12 min & stir 5 min                                   |           |          |          |            |             |
|            | 45 Record: pH 9.1 (9.0-9.5) & if necessary, adj to pH 9.0-9.5 & Record: pH Assume 78% |           |          |          |            | 27-D        |
|            | Dilute 10 parts water to 1 part N-7-D Assume 50%                                      |           |          |          |            | 7-D         |
|            | Siphon N-7-D into SV                                                                  |           |          |          |            |             |
|            | 46 Run in V-330 thru 20 mesh screen & stir 20 min                                     |           |          |          |            |             |
| 313 11     | 47 Run 15" (222 G) water into V-313 & dump in                                         |           |          |          | 270        | 20-A 270    |
|            | 48 Stir 5 min to dissolve for S 49                                                    |           |          |          |            |             |
| SV 12      | 49 Run V-313 into SV in 15-20 min                                                     |           |          |          |            |             |
|            | 50 Stir 15 min                                                                        |           |          |          |            |             |
|            | 51 Record: pH 9.2 (9.0-10.0)                                                          |           |          |          |            |             |
|            | 52 Stop agitator (Do Not stop agitator in V-262)                                      |           |          |          |            |             |
|            | Step V-262 (20 RPM) V-243, 244, 246, 247                                              |           |          |          |            |             |
|            | 9 2" 4"                                                                               |           |          |          |            |             |
|            | 18 21" 42"                                                                            |           |          |          |            |             |
|            | START FIN                                                                             |           |          |          |            |             |

3:00 PM  
11:00 PM11:00 AM  
3:55 AM10:25 AM  
3:55 AM



N32225.01

DUP050457159