

FOR COMPANY USE ONLY

TEST AUTHORIZATION AND

DATE July 17, 1973

TEST CONCLUSION NO. TAC- 73-396

OFFICIAL PRODUCT NAME \_\_\_\_\_

PRODUCT CODE NO. \_\_\_\_\_ POUNDS PRODUCT ACTUAL \_\_\_\_\_

AREA "Ponsol" BUILDING NAME Dry House

TITLE Increase truck dryer capacity by 50%.

PREPARED BY: A. C. Stein

PURPOSE OF TEST: To demonstrate that a 50% increase in dryer capacity can be obtained by adding a third rack and placing them parallel to air flow instead of at right angles to it.

TEST DETAILS:

1. Box out one dryer door six inches to provide space for third rack.
2. Place three racks of material in this dryer parallel to air flow.
3. Dry a typical one-day dryer; i.e., 1-amino-2,4-dibromoanthraquinone in a two-rack and a new three-rack dryer. Compare the amount and dryness of the material dried in a two-rack dryer versus three-rack dryer during a five-day period.
4. Repeat Step 3, using a two-day dryer, i.e., "Sevron" Yellow R, for a ten-day period.

RESULTS OF TEST: The test was successful. Five thousand one hundred and twelve pounds of 1-amino-2,4-dibromoanthraquinone was dried in the three-rack dryer versus 3,375 lbs. for the two-rack dryer. This was a 51% increase. The % moisture on all racks was nil. Six thousand five hundred and ten pounds of "Sevron" Yellow R was dried in the three-rack dryer versus 4,397 lbs. This is a 48% increase. The dryness of both the two-rack and three-rack were comparable.

RECOMMENDATIONS: Convert the remaining two-rack dryers to three-rack dryers.

DISTRIBUTION:

|               |                  |               |
|---------------|------------------|---------------|
| R. J. Pohl    | J. R. McCloskey  | J. A. Oscar   |
| R. H. Terss   | R. T. McNally    | D. Putnam (3) |
| J. L. Files   | J. A. Moffett    | R. F. Stalzer |
| C. H. Lake    | M. S. Moores     | R. Wiederhorn |
| J. F. Laucius | D. O. Miller (3) | J. E. Kutty   |
| T. E. Lewis   | E. C. Nelson     | A. C. Stein   |

APPROVED BY:

CHIEF SUPERVISOR, OPERATIONS

DATE

AUTHORIZED BY:

SUPT., MANUFACTURING (OR DELEGATES)

DATE

CH. SUPVR., TECH. OR PLANT ASSIST.

DATE

SUPT., TECHNICAL (IF ANY)

DATE