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NEWARK PLANT
PIGMENT COLOR RESEARCH REPORT

HIGH-STRENGTH RT-357-D PROCESS K-2229:
SEMI-WORKS YIELD STUDY.

Period Covered: April 1946.

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NEWARK PLANT

PIGMENT COLOR RESEARCH REPORT

Progress
Final Report

Title: HIGH-STRENGTH RT-357-D PROCESS K-2229:
SEMI-WORKS YIELD STUDY.

Period Covered: April 1946.

SUBMITTED BY: M. G. Taber

DATE SUBMITTED: 7/1/46

APPROVED BY: J. O. Morrison

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J. O. Morrison
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INTRODUCTION

In the costing of K-2229, and extra strong RT-357-D, it was discovered that the laboratory goal yield on the formula was appreciably lower than that for the regular RT-357-D, K-2172 formula, making its cost per pound relatively higher. A semi-works yield study on K-2229 seemed advisable. In addition the Research Laboratory decided to run a comparative goal yield study of the two K formula, K-2229 and K-2172.

SUMMARY AND CONCLUSIONS

The average "goal" yield for K-2229 obtained from three semi-works batches was 76.2# on a 0.286 x K-2229 batch size checking exactly the laboratory goal yield.

The laboratory reported that attempts to equal the goal yield of K-2172 using the presently supplied dye lots were unsuccessful, yields obtained being of the same order as those for K-2229.

EXPERIMENTAL DETAILS

Three semi-works batches were made with care to ensure maximum yield. Details are tabulated below:

<u>Batch</u>	<u>Dye Lot</u>	<u>Lump Yield</u> (lbs.)	<u>Grind Yield</u> (lbs.)	<u>Rubout vs K-2229</u>
8710	313	76.0	76.0	Light, equal, 10% strong
8711	317	75.5	75.0	Equal, equal, 10% strong
8712	318	77.0	76.0	Equal, equal, 10% strong

REFERENCES

DSN - 46-13

Batches 8710, 8711, 8712.

KN-46-9. Previous semi-works study.