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KREBS PIGMENTS DEPARTMENT
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NEWARK, NEW JERSEY

NEWARK PLANT
PIGMENT COLOR RESEARCH REPORT
Final Report (Laboratory)
ORANGE LAKE AYL-688-D

Period Covered DECEMBER 15, 1953 to JANUARY 15, 1954

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NEWARK PLANT
CHEMICAL DIVISION-COLORS
FINAL REPORT (Laboratory)

TITLE: ORANGE LAKE AYL-688-D

PERIOD COVERED: 12-15-53 to 1-15-54

CHARGE: A-IC-52

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SUBMITTED BY: A. D. WOJNAROWSKI

DATE SUBMITTED: 2/11/54

APPROVED BY: A. A. BRIZZOLARA
ad w per

DATE ISSUED: 2/17/54

INTRODUCTION:

At the request of Sales, work was undertaken to prepare a counterpart for Harmon's Indo Orange E-10314, which was found to be a 40% lake of "Ponsol" Brilliant Orange RK on alumina hydrate.

SUMMARY & CONCLUSIONS:

A close match for Harmon's Indo Orange E-10314 was obtained in the laboratory by laking Orchem's "Ponsol" Brilliant Orange RK on alumina hydrate in the ratio 40/60.

A laboratory sample has been prepared and coded AYL-688-D, Expt. 1159-39.

DISCUSSION:

The use of "Ponsol" Brilliant Orange presscake gave a decidedly weaker alumina hydrate lake than "Ponsol" Brilliant Orange RK paste.

Homogenization of "Ponsol" Brilliant Orange RK paste in the Manton-Gaulin mill before laking on alumina hydrate gave no apparent advantages.

The use of freshly precipitated alumina hydrate showed no particular advantage over purchased alumina hydrate.

EXPERIMENTAL DETAILS:

Details are included in notebook 1159 experiments 37, 38, 39.

Evaluations in alkyd and lacquer will be covered in a separate RLM report.

REFERENCES:

General Laboratory Analytical Report - dated 9/21/53.
Office Trade Report - G. Wormald - 10/29/53.
M. J. McLain's letter of 12/29/53.

DU PONT NEWARK
PIGMENTS DEPARTMENT

FEB 23 1954

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