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NEWARK PLANT
PIGMENT COLOR RESEARCH REPORT

Final Report
(Semi-Works)

CYP-646-D. BARIUM ROSINATE LAKE OF GREEN-GOLD

Period Covered

SEPTEMBER 1950 - JANUARY 1951.

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PIGMENT COLOR RESEARCH REPORT

Final Report
(Semi-Works)

CYP-646-D. BARIUM ROSINATE LAKE OF GREEN-GOLD

SEPTEMBER 1950 to JANUARY 1951.

CHARGE: 11(00)-26-427

SUBMITTED BY: *O. J. C. Klein*
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DATE SUBMITTED: 3/28/51

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DATE ISSUED: 4/24/51

INTRODUCTION:

This report covers the formulation and semi-works manufacture of a blanc fixe extended barium rosinate lake of YT-562-D.

SUMMARY AND CONCLUSIONS:

1. A blanc fixe extended barium rosinate lake of YT-562-D, coded CYP-646-D, has been formulated, and manufactured in the semi-works.

2. The strength of the lake corresponds to its toner content.

3. CYP-646-D is tinctorially acceptable.

DETAILS:

K-2410, a laboratory formula, was recoded BYP-646-D and made in the semi-works as lot 1297, by precipitation of barium rosinate in the presence of YT-562-D slurry obtained from a plant coupling.

Costs on the "B" formula were considered too high for a lake of this type, and an extended counterpart, containing 17% blanc fixe, was decided upon.

This was formulated as CYP-646-D and made in the semi-works at an 80 pound batch size, as lot 1339. Evaluations by rubout are as follows:

Lot 1339 vs YT-562-D, SD-87199:

<u>MT</u>	<u>Refl. UT</u>	<u>Trans. UT</u>	<u>Str.</u>	<u>Tint</u>
lt.	lt. & int.	wk. & int.	160=100	vvs dull

Lot 1339 vs BYP-646-D, lot 1297*

<u>MT</u>	<u>Refl. UT</u>	<u>Trans. UT</u>	<u>Str.</u>	<u>Tint</u>
lt.	s.lt. & int.	s.wk, vvs int.	120=100	vvs dull

*Lot 1297 is like lot 1339 except it is not extended with blanc fixe.

The strengths shown are in agreement with the toner content of the respective lakes. There is no gain or loss of toner strength on laking.

REFERENCES:

DSN-51-23

Formulas: K-2410, BYP-646-D, CYP-646-D

Letters: A.A.Brizzolara to J.B.Callaway, 10/17/50
A.A.Brizzolara to J.B.Callaway, 10/26/50
J.B.Callaway to D.B.Killian, 11/7/50
A.A.Brizzolara to J.B.Callaway, 12/1/50
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