

E. I. DU PONT DE NEMOURS & COMPANY
KREBS PIGMENTS DEPARTMENT
256 VANDERPOOL STREET
NEWARK, NEW JERSEY

NEWARK PLANT
PIGMENT COLOR RESEARCH REPORT

Final Report

Title: YELLOW LAKE YL-513-D
10% Hansa Yellow 10G (PCONA → AAOC1A)
90% Asbestine - Barytes

Period Covered: April 1950 - June 1950

Charge: A-IC-46 (1100-12-46)

FILE: 221.4

DATE: 7-14-50

Serial No. KN-50-8

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NEWARK PLANT

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Final Report

Title: YELLOW LAKE YL-513-D
10% Hansa Yellow 10G (PCOHA → AA001A)
90% Asbestine - Barytes

Period Covered: April, 1950 - June, 1950

Charge: A-IC-46 (1100-12-46)

SUBMITTED BY: *M. Fytelson*
M. FYTELSON

DATE SUBMITTED: 6-30-50

APPROVED BY: *A. A. Brizzolara*
A. A. BRIZZOLARA 7/14/50

DATE ISSUED: 7-14-50

INTRODUCTION:

Following completion of the laboratory and semi-works study reported in KN-49-41, plant development and standardization of the Hansa 10G Lake, YL-513-D, awaited receipt of a 4000 lb. order by Sales. Upon receipt of this order, the necessary arrangements for the initial plant trial were made.

SUMMARY:

One plant batch of (A)YL-517-D was made as a component for YL-513-D. This product when blended with asbestine yielded material darker, redder and duller in masstone but 3-5% stronger in tint and equal in lightfastness to the semi-works sampling material. The pigment was approved for shipment to the customer and 200 lbs. were retained for possible standardization.

Upon completion of the necessary tests, YL-513-D, SD-94998 was approved by Sales on 6-27-50, and Production agreed to take over supervision of this process on 6-21-50.

DISCUSSION:

Although the initial plant trial yielded material somewhat darker and redder in masstone than the semi-works sampling lot, it is believed that the more important phases of future standardization are strength and lightfastness. If future production matches the standard in strength and lightfastness no difficulties are anticipated.

For informational purposes only a sample of Hansa Yellow 10G Toner was obtained from the plant batch prior to extension. This product is now coded ATT-634-D and has been filed for the record.

No additional work on this product is planned by the Chemical Division at the present time.

GLOSSARY:

(A)YL-517-D	PCONA → AAOCA on Asbestine/Barytes, 50/50
YL-513-D	(A)YL-517-D/Asbestine, 90/10
(A)YT-634-D	PCONA → AAOCA, dry toner

REFERENCES:

KN-49-41
DSN-49-35