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NEWARK PLANT
PIGMENT COLOR RESEARCH REPORT

Final Report

CPC LAKE, BP-237-D
INCREASED BATCH SIZE IN THE IRON BLUE UNIT

MARCH - AUGUST, 1944.

Period Covered:

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NEWARK PLANT

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INCREASED BATCH SIZE IN THE IRON BLUE UNIT

MARCH - AUGUST, 1944.

CHARGE: 1100-12-21 (AIC-21)

SUBMITTED BY: E. J. HESS *E. J. Hess*

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APPROVED BY: J. O. MORRISON

DATE ISSUED: *10/6/48*

J. O. Morrison
August 23, 1948

INTRODUCTION:

Early in 1944 a series of BP-237-D batches were made to check the possibility of making this color at increased batch size in available equipment in the Iron Blue unit.

SUMMARY & CONCLUSIONS:

Three batches were made during the course of the study as shown by the following table:

Batch Size	Strike Vat		Ammonium Rosinate Slurry	
	Vat #	Capacity	Vat #	Capacity
2 x std. K-1901	209*	27.50 gals.	313*	975 gals.
2.5x "	182	9870 "	313	975 "
2.5x "	182	9870 "	328	2015 "

The basic formula used was the standard K-1901 except for a 10% increase in the whiting extender.

All three batches were of satisfactory quality and there were no processing difficulties encountered with the use of the iron blue equipment.

*Note: Vats 209 and 313 are the component vats of the normal CPC unit.

PATENT SITUATION:

There is no patent restriction in the manufacture of CPC colors. This study has not resulted in any patentable developments.

GLOSSARY:

BP-237-D - An approximate 19% extension of CPC on barium rosinate (6%) and whiting (75%).

CPC Copper phthalocyanine.

EXPERIMENTAL DETAILS: DSN-48-10