

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

NEWARK PLANT
PIGMENT COLOR RESEARCH REPORT

Final Report

PARMA WINE PROBLEM

GLOSS RETENTION OF RT-135-P

DECEMBER 1947 to MARCH 1949

Period Covered:

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Final Report

PARMA WINE PROBLEM

GLOSS RETENTION OF RT-135-P

DECEMBER 1947 to MARCH, 1949.

CHARGE: CC-200-601

SUBMITTED BY: A. D. Mills

DATE SUBMITTED: 3/9/49

APPROVED BY: A. A. Brizzolara

DATE ISSUED: 3/11/49

PARMA WINE PROBLEM

GLOSS RETENTION OF RT-135-P

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INTRODUCTION:

General Motors was encountering difficulty with "early dulling" of the Parma Wine Lacquer Maroon on exposure. The F&F Department at Parlin requested the assistance of the Pigments Department in either increasing the gloss retention of RT-135-P or submitting other reds and maroons of good gloss retention. The latter course was followed and, of necessity, the samples had to be in pulp form, requiring special preparation of most in the semi-works.

SUMMARY AND CONCLUSIONS:

1. Pulp samples of various reds and maroons were either obtained from plant manufacture or prepared in the semi-works and laboratory.
2. As the majority of these were normally dry pigments, new pulp codes were assigned in all cases where necessary.
3. The pulp samples were submitted to Parlin for their evaluation.

GENERAL DISCUSSION:

Approximately 10% (dry weight) of pulp was prepared on the following codes which are listed with composition and corresponding pulp code.

RT-530-D MNPT → N-BS	ART-574-P
RT-588-D 5-NO ₂ -2-NH ₂ -anisole → N-ASD	ART-576-P
RT-525-D Red 2B Acid → BON, Mn	ART-575-P
RT-492-D MNPT → N-ASD	ART-578-P
RT-551-D 90% RT-588-D + 10% RT-571-D	ART-577-P
RT-500-D PCONA → N-ASD	ART-579-P
RT-566-D PCONA → N-OL	ART-580-P
RT-458-D MNPA → N-BS	RT-140-P(A)

Also small quantity of Pigment Green B (GT-79-P)

It was hoped that these reds and maroons might be used individually or in combination to give a match for the Parma Wine shade with improved gloss retention. This study did not include any work on RT-135-P per se. The Pigment Green B was included for shading purposes by Parlin.

EXPERIMENTAL DETAILS: N.B. 1162-34. DSN-48-26.

REFERENCES: Letter J.B.Callaway to R.T.Hucks of 12/1/47.
Memo of A.A.Brizzolara on Parlin visit of 11/21/48 -
12/1/47