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**NEWARK PLANT
PIGMENT COLOR RESEARCH REPORT**

Progress Report

**RL-211-D. PIGMENT SCARLET LAKE
IMPROVED STRENGTH AND DISPERSION.**

Period Covered

SEPTEMBER 1949 TO DECEMBER 1949

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NEWARK PLANT

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Progress Report

**RL-211-D. PIGMENT SCARLET LAKE
IMPROVED STRENGTH AND DISPERSION.**

SEPTEMBER 1949 TO DECEMBER 1949

Charge: 11(00)-11-39

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INTRODUCTION:

The appearance on the market of Pigment Scarlet Lakes superior to RL-211-D in strength and dispersion in vinyl plastic led to an investigation designed to improve RL-211-D.

SUMMARY AND CONCLUSIONS:

1. A cut in dye content of RL-211-D, while increasing the base to maintain yield, accomplishes a relative increase in strength and an improvement in dispersion in vinyl plastic. That is, the decrease in strength resulting from the dye cut is less than that calculated.
2. A 20% cut in dye, with a corresponding increase in base, appears to give the optimum dispersion in vinyl plastic, and the best relative rubout strength.
3. Attempts to eliminate ZnO from the formula were unsuccessful.

DETAILS:

Details of the experiments will be found by consulting the notebook references listed below. In addition to the essential results given above, some information was developed on the apportionment of the base between strike and a portion added later.

REFERENCES:

NB-1310-7; -8; -9; -10; -11; -12.

OJCK:lg