

INTER-OFFICE LETTER

FROM CHICAGO RESEARCH CENTER

OFFICE ANALYTICAL RESEARCH

DEPT.

FOR Cleveland

OFFICE

DATE August 24, 1971

W. H. REYSLI

MR. H. E. Spitzer

SUBJECT Lead in S-W Paints

AUG 26 1971

REFER TO LETTER OF

DICTATED BY

Based on our phone conversation of 8/20/71, I have initiated two projects described as follows:

ADP-7726 - 'Test for Lead in Lead Free Paints'

Rec'd 9-7-71
Samples of Kem Glo Enamel and Super Kem Tone will be analyzed for the amount of lead present. The procedure used will be complete digestion of the paint solids followed by atomic absorption analysis of the final solution. By this technique we expect to find lead, if present, at the 1 ppm level.

The chemist in charge of this work is Thomas P. Carll.

ADP-7727 - 'Extraction of Lead from Cured Paint Films'

Various paints containing known quantities of lead as a drier and/or pigment will be used in this study. Cured films will be prepared and will then be extracted with 0.5% hydrochloric acid and with 4% acetic acid. The extraction solutions will then be analyzed by Atomic Absorption for the determination of lead. The 0.5% hydrochloric acid solution was chosen since that is the approximate concentration of stomach acid.

The chemist in charge of this work is Clyde F. Hirn.

A high priority has been given to these projects and we will keep you informed of data as it is obtained.

R. W. Scott
Richard W. Scott, Director
Analytical Research Department

RWS/sc

cc: KRB POG RCH JCW CFH TPC

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