INTER-OFFICE LETTER

FROM CHICAGO RESEARCH CENTER OFFICE ANALYTICAL RESEARCH

FOR Cleveland OFFICE DATE September 15, 1971

MR E. E. Spitzer SUBJECT Extraction of Lead from Cured Paint (ADP-7727)

REFER TO LETTER OF DICTATED BY

In the table below are listed the results to date of extraction tests run on various S-W products. The extractions were conducted for 24 hours at room temperature in a cell recommended by FDA. The general procedure closely approximates ASTM F34-66. In the "FDA" cell 100 sq. in. of film is exposed to 200 ml. of solution.

The Kem Tone, Kem Glo and Kem-1-Coat materials were brushed on aluminum panels and allowed to dry a minimum of seven days prior to testing. The Kem Lustral panels which were supplied by Lee Williams had been coated in April of this year. The theoretical lead content of P65 Y 2 is 29.6% on the nonvolatile, present primarily as lead chromate.

SUMMARY OF EXTRACTION TESTS

Sample	4% HAC ppm Pb in Extract	4% HAC µg* Pb ext. per sq. in. of film	0.5% HCl ppm Pb in Extract	0.5% HCl µg* Pb ext. per sq. in. of film
K3 W 97, Kem-Tone Dover White, C2231	0.2	0.4	0.2	0.4
K7 W 97, Kem-Glo Dover White, C2281	0.6	1.2	1.7	3.4
A3 W 16, Kem-1-Coat, C1981,	10.	20	26	52
P65 Y 2, Kem Lustral En., Lemon Yellow	60	ca. 120	230	ca. 460

* 1 µg = .001 mg.

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Clyde F. Kirm/ec

cc: KRB PCC RCH JCW TPC

0007-SWP-037393

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