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CALIFORNIA METAL ENAMELING COMPANY
6904 East Slauson Avenue . Los Angeles 22, California . RAYMOND 3-6351

December 28, 1962

Lead Industries Association, Inc.
292 Madison Avenue
New York 17, New York

Gentlemen:

Our company is currently setting up to produce a line of porcelain enameled aluminum cookware, salad bowls, casseroles, etc., for a local manufacturer in this area. These units will be distributed nationally and will be displayed at the forthcoming Giftware Show in Atlantic City this coming January.

We are proposing to use a porcelain enameled coating on both the interior as well as the exterior of these bowls. Since this coating contains approximately 30% lead in the formulation, we have been concerned with the possibilities of lead contamination in such a use.

We understand that the Lead Industries Association has done a considerable amount of research in this area for the pottery industry. We would appreciate any information you could forward to us which would be of assistance in determining the type of tests we should run in order to make certain that our units will not be injurious to health, along with any other current information you can furnish us regarding this matter. A copy of a recent test performed by the Truesdell Laboratories for our firm is enclosed for your evaluation. This test represents typical porcelain enameled aluminum units as we propose to manufacture them.

It is possible to, of course, manufacture the parts without the porcelain glass on the inside. However, from our market evaluation, we find that the sale of the units would be enhanced with the coatings on the inside as well as the outside. It is for this reason that we are particularly anxious to coat both the interior as well as the exterior and we hope you can be of some assistance to us in this regard.

Very truly yours,

Signed:

H. V. Penton
President

HVP/jh
Enclosure

SINCE 1911 . OVER 50 YEARS OF PROGRESS IN PORCELAIN
ENAMEL

DUPLICATE
REPORT

TRUEBAIL LABORATORIES, INC.

CHEMISTS • BACTERIOLOGISTS • ENGINEERS



4151 W. FIDUCIA STREET
LOS ANGELES 69
CAPitol 9-4148

CLIENT California Metal Enameling
6504 East Slauson Avenue
Los Angeles 22, California
Attn: H. V. Panton

DATE December 20, 1962

RECEIVED December 23, 1962

SAMPLE An enameled dish
Rgt. Glass

LABORATORY NO. 39981

INVESTIGATION

Determination of extractable heavy metals.

RESULTS

A test for heavy metals solubility was made by placing 100 milliliters of a 5 percent solution of acetic acid in the dish and allowing it to remain for twenty-four hours. The solution was then removed and analyzed to determine the lead and lithium content. The dish was rinsed free of acid and subsequently exposed to 100 milliliters of a 5 percent solution of citric acid for twenty-four hours. The solution was analyzed for lead only.

The results were as follows:

	Lead content per square inch of surface	Lithium content per square inch of surface
5% Acetic Acid	0.023 milligrams	none
5% Citric Acid	0.11 milligrams	none

Respectfully submitted,

TRUEBAIL LABORATORIES, INC.
Roger W. Truebail
Roger W. Truebail, Ph. D.
President

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