

Chicago

Auxiliaries Research

Chicago

March 12, 1952 (dist. 3/11)

T. A. Kehr, Jr.,
Att. C. Coash

Lithopone from Mexico

As per your request, we have evaluated the sample of Mexican Lithopone which you submitted against both our standard Permolith 20L and our standard Permolith W-320. The results are summarized below:

Sample	20L	W-320	Mexican
Oil absorption lbs./100	11.6	14.6	13.5
Water absorption #/100	18.8	21.2	22.0
Color	Std.	eq. to Std.	v. green-gray
Texture, Hegman, 50 rev. of Hoover Muller	4-1/8	—	2-1/8

Note: Mexican sample very gritty under the spatula.

Sp. Resistance	11,600	4,450	4,300
pH	9.12	7.63	9.23
Ca	Trace	Trace	sl. +
Tinting Strength	275		235
Light Sensitivity *	1	1/2	3

* rated against gray standards, higher number refers to greater sensitivity.

As you will see, this material is inferior to our lithopone in almost every respect. The color is poorer; has lower hiding power; greater light sensitivity; and very poor texture.

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Mr. F. A. Kehr, Jr.,
Att. C. Coash

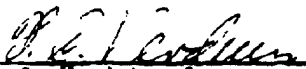
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Following your suggestion, we have made a very careful test for soluble zinc salts, and our test indicated less than 0.015% as zinc sulfate. We did, however, confirm your observation that the precipitate formed by the oxalate test did not behave as the calcium oxalate normally does.

We trust this gives you the information that you desire.

C. H. Adams
Mineral Products Laboratory


F. C. Verduin

cc: SAC, Jr. JVH

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