

The determination of soluble lead in insulating wool by the British Solubility Test.

Preparation of Sample

Duplicate 1 gram samples were shaken for 1 hour in 1000 grams of 0.25% (by weight) hydrochloric Acid. After permitting to settle for an additional hour, the mixtures were filtered and the filtrates analyzed for lead by the spectrographic method.

(The mixtures gave off a definite odor of hydrogen sulfide)

Sample #1

Grams used - 1 gms.

Mgs Pb found - 4.0

Sample #2

Grams used - 1 gms.

Mgs Pb found - 3.9

On the basis of 1% lead in the original wool, these figures indicate that 40% of the lead is soluble in the 0.25% acid.

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