



Designation: E 37 – 9500

Standard Test Methods for Chemical Analysis of Pig Lead¹

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1. Scope

1.1 These test methods cover the chemical analysis of pig lead having chemical compositions within the following limits:

Element	Concentration Range, %	
Lead	99.5	to 99.99
Antimony	0.001	to 0.02
Silver	0.001	to 0.03
Arsenic	0.0005	to 0.02
Bismuth	0.002	to 0.2
Copper	0.001	to 0.1
Arsenic	0.0005	to 0.02
Iron	0.0005	to 0.005
Antimony	99.5	to 99.99
Lead	99.5	to 99.99
Silver	0.001	to 0.02
Silver	0.001	to 0.03
Tin	0.001	to 0.02
Zinc	0.001	to 0.005

1.2 The test methods appear in the following order:

	Sections
Antimony by the Rhodamine-B Photometric Method	19-28
Copper, Bismuth, Silver, and Zinc by the Atomic Absorption Method	8-18

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to consult and establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* For precautions to be observed in the use of certain reagents, refer to Practices E 50. Specific hazard statements are given in the individual test methods.

2. Referenced Documents

2.1 ASTM Standards:

B 29 Specification for Pig Lead²

¹ These test methods are under the jurisdiction of ASTM Committee E-1 E01 on Analytical Chemistry for Metals, Ores, and Related Materials and are the direct responsibility of Subcommittee E01.05 on Zinc, Tin, Lead, Cadmium, Beryllium and Other Metals.

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