

PRODUCT SPECIFICATION SHEET

Zinc Stearate, Lab Grade

Product Specification (CAS RN: 557-05-1)

Test	Specification	Typical Results
Appearance	A fine, white, bulky, amorphous powder free from grittiness	Complies
Identification A: Reaction of Calcium Salts	To comply the test	Complies
Identification B: Reaction of Phosphates	To comply the test	Complies
Assay	34.0% - 40.0% of Calcium	36.67
Solubility	Freely soluble in 3N hydrochloric acid and in 2N Nitric acid	Complies
Acidity or Alkalinity	0.3 ml of 0.1 M HCL is required	Complies
Soluble substances	0.1 ml of 0.1 M NaOH is required	Complies
Lead	NMT 2 ppm	<2
Alkalis and alkaline earths	The residue weighs NMT 10 mg	8
Arsenic	NMT 1.5 ppm	<1.5
Heavy metals	NMT 10 ppm	<10
Chloride	NMT 250 ppm	<250
Sulphate	NMT 0.6%	<0.6
Free stearic acid	NMT 0.5%	0.21
Loss on Drying	NMT 6.0% at 105 Deg. C	2.34%
Bulk Density	0.2 to 0.3 gm/mL	0.26

Appropriate/legal use of this product is the responsibility of the user.

[Zinc Stearate, Lab Grade](#)

Phone: 512-668-9918, Fax: 512-886-4008, E-mail: customercare@laballey.com
www.laballey.com

12501 Pauls Valley Road, Suite A, Austin, Texas 78737
© 2025 Lab Alley