

PRODUCT SPECIFICATION SHEET

Calcium Oxide, USP/FCC Grade

Product Specifications (CAS RN: 1305-78-8)

Test	Specification	Typical Results
Description	White crystalline masses or granular powder or granules.	Complies
Assay	Not less than 95.0%	97.04%
Identification A: Reaction with Water	A smooth magma of lime forms and is alkaline to litmus.	Complies
Identification B: Reaction of Calcium	To comply the test	Complies
Impurities A: Acid insoluble substances	Not more than 1.0% (50 mg)	0.78%
Impurities B: Magnesium and Alkali salts	Not more than 9 mg	<9 mg
Impurities C: Arsenic	NMT 3 ppm	<3 ppm
Impurities D: Fluoride	NMT 0.005%	<0.005%
Impurities E: Heavy metals	NMT 0.004%	<0.004%
Impurities F: Lead	NMT 10 ppm	<10 ppm
Impurities G: Carbonates	Only slight effervescences produced	Complies
Loss on Ignition (LOI)	Not more than 10.0%	5.79%
Solubility	1 g dissolves in about 840 mL of water at 25° and in about 1740 mL of boiling water. It is soluble in glycerin but insoluble in alcohol.	Complies

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

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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
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