



**PRODUCT SPECIFICATION SHEET**  
**Magnesium Oxide Heavy, USP/FCC Grade**

**Product Specification**

Test	Specification	Typical Results
Description	Very bulky, white powder	Complies
Assay	96.0 - 100.5% on dried basis	99.12%
Identification	Gives test for Magnesium salts	Complies
Impurities A: Acid insoluble substances	NMT 0.1% (2 mg)	0.05%
Impurities B: Calcium	NMT 1.1%	0.63%
Impurities C: Iron	NMT 0.05%	<0.05%
Impurities D: Arsenic	NMT 3 ppm	<3
Impurities E: Heavy metals	NMT 0.04%	<0.04%
Impurities F: Lead	NMT 10 ppm	<10
Loss on ignition (LOI)	NMT 10.0%	3.64%
Bulk Density	>0.25 g/ml	0.56
Free alkali and soluble salts	NMT 2.0% (10 mg)	0.17%
Solubility	Soluble in dilute acids; Practically insoluble in water; insoluble in alcohol	Complies

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

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