



PRODUCT SPECIFICATION SHEET
Magnesium Hydroxide, USP/FCC Grade

Product Specification

Test	Specification	Typical Results
Description	A bulky white powder	Complies
Assay	98.0 - 102.5% on dried basis	98.74%
Identification	Gives reaction for Magnesium salts	Complies
Impurities A: Lead	NMT 1.5 ppm	<1.5
Impurities B: Calcium	NMT 1.0%	0.47%
Impurities C: Iron	NMT 0.05%	<0.05%
Impurities D: Arsenic	NMT 3 ppm	<3
Impurities E: Heavy metals	NMT 0.040%	<0.004%
Impurities F: Alkalis and free soluble salts	Pass the test	Complies
Impurities G: Carbonates	NMT a slight effervescence is observed	Complies
Loss on Drying (LOD)	NMT 2.0%	0.87%
Loss on ignition (LOI)	30.0 - 33.0%	31.74%
Specific Microbial test: E. coli	Absence of E. coli	Complies
Solubility	NMT 2.0%	0.14%

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

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