



PRODUCT SPECIFICATION SHEET

Magnesium Hydroxide, Lab 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.

[Magnesium Hydroxide, Lab Grade](#)

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