



PRODUCT SPECIFICATION SHEET
Magnesium Carbonate, USP/FCC Grade

Product Specification

| Test | Specification | Typical Results |
|--|---|-----------------|
| Appearance | A light white or almost white bulky powder | Complies |
| Assay (Calculated as MgO) | 40.0 - 43.5% | 41.84% |
| Identification A: Reaction of Magnesium | To comply the test | Complies |
| Identification B: Reaction of Carbonates | To comply the test | Complies |
| Solubility A | Practically insoluble in water and alcohol | Complies |
| Solubility B | Dissolves in dilute acids with effervescences | Complies |
| Soluble substances | NMT 1.0% | 0.53% |
| Acid insoluble substances | NMT 0.05% | 0.02% |
| Iron | NMT 200 ppm | <200 |
| Arsenic | NMT 3 ppm | <3 |
| Calcium | NMT 0.45% (USP) | 0.21% |
| Calcium oxide | NMT 0.6% (FCC) | <0.6% |
| Heavy metals | NMT 0.003% | <0.003% |
| Lead | NMT 10 ppm | <10 |
| Microbial Enumeration Test: E. coli | Should be absent | Complies |
| Bulk Density | 0.32 to 0.46 gm/mL | 0.38 |

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

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