

**PRODUCT SPECIFICATION SHEET****Magnesium Oxide Light, Lab 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 - 0.45 g/ml                                                              | 0.33            |
| 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.

[Magnesium Oxide Light, Lab Grade](#)

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