

Certificate of Analysis

Date of Testing: 2022-06-08 16:29:17
 Date of Next Testing: 2026-06-07 16:29:17
 Product Name: **Magnesium oxide**
 CAS Number: 1309-48-4
 Specifications & Purity: Analytical Reagent,98.0%
 Lot #: F2205138
 SKU #: **M103940**
Analysis: 082996

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Heavy metal (as Pb) | 0-0.003 (%) | 0.00% |
| (PO ₄)Phosphate | 0-0.003 (%) | 0.00% |
| Sodium(Na) | 0-0.05 (%) | 0.03% |
| Barium and strontium(as Ba) | 0-0.005 (%) | 0.00% |
| Iron(Fe) | 0-0.005 (%) | 0.00% |
| Chloride (Cl ⁻) | 0-0.01 (%) | 0.01% |
| Copper(Cu) | 0-0.001 (%) | 0.00% |
| Potassium(K) | 0-0.005 (%) | 0.00% |
| carbonate (CO ₂) | 0-1.5 (%) | 1.00% |
| loss on Ignition | 0-2 (%) | 0.40% |
| Calcium(Ca) | 0-0.02 (%) | 0.01% |
| Insiluble matter in hydrochloric | 0-0.01 (%) | 0.00% |
| Zinc(Zn) | 0-0.005 (%) | 0.00% |
| Total Nitrogen | 0-0.001 (%) | 0.00% |
| Assay(MgO) | 98-100 (%) | 98.72% |
| (As)Arsenic | 0-0.0001 (%) | 0.00% |
| Sulfate(SO ₄ ²⁻) | 0-0.02 (%) | 0.01% |
| Insoluble matter in HCl | 0-0.01 (%) | 0.00% |
| Appearance (M103940) | White powder | White powder |
| Clarity of solution | pass | Pass |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager