

## Certificate of Analysis

Date of Testing: 2022-08-08 16:29:16  
Date of Next Testing: 2026-08-07 16:29:16  
Product Name: **Magnesium carbonate basic**  
CAS Number: 39409-82-0  
Specifications & Purity: Analytical Reagent,40-45% MgO basis  
Lot #: G2220765  
SKU #: **M112903**  
**Analysis: 102326**

| Parameter                | Limit Values          | Result                |
|--------------------------|-----------------------|-----------------------|
| Iron(Fe)                 | 0-0.04 (%)            | 0.00 %                |
| Heavy metal (as Pb)      | 0-20 (ppm)            | 0.19 ppm              |
| Chloride (Cl-)           | 0-0.07 (%)            | 0.05 %                |
| Calcium(Ca)              | 0-7500 (ppm)          | 1407.00 ppm           |
| Insoluble in acetic acid | 0-0.05 (%)            | 0.01 %                |
| Sulfate(SO42-)           | 0-3000 (ppm)          | 1000.00 ppm           |
| Assay(MgO)               | 40-45 (%)             | 41.26 %               |
| (As)Arsenic              | 0-2 (ppm)             | 0.19 ppm              |
| Solubility in H2O        | 0-1 (%)               | 0.00 %                |
| Appearance (M112903)     | white powder          | White powder          |
| X-Ray Diffraction        | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager