

## Certificate of Analysis

Date of Testing: 2023-01-05 17:31:25

Date of Next Testing: 2027-01-04 17:31:25

Product Name: **Magnesium perchlorate**

CAS Number: 10034-81-8

Specifications & Purity: Analytical Reagent , drying agent

Lot #: L2215935

SKU #: **A104924**

**Analysis:** **175045**

Storage Temperature: Argon charged

| Parameter                               | Limit Values                              | Result                                    |
|-----------------------------------------|-------------------------------------------|-------------------------------------------|
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.25 (%)                                | 0.13 %                                    |
| Titration Acid                          | 0-0.005 (mg/g)                            | 0.00 mg/g                                 |
| Titration Base                          | 0-0.025 (mg/g)                            | 0.02 mg/g                                 |
| loss on drying (240°C,2h)               | 0-8 (%)                                   | 7.61 %                                    |
| Mg(Complexometric EDTA)                 | 9-11 (%)                                  | 9.01 %                                    |
| Chloride (Cl <sup>-</sup> )             | 0-0.02 (%)                                | 0.01 %                                    |
| Mg(ClO <sub>4</sub> ) <sub>2</sub>      | 83-100 (%)                                | 84.14 %                                   |
| (NO <sub>3</sub> )Nitrate               | 0-0.02 (%)                                | 0.02 %                                    |
| Appearance (A104924)                    | White Flakes,powder or Crystals or Chunks | White Flakes,powder or Crystals or Chunks |
| X-Ray Diffraction                       | Conforms to Structure                     | Conforms to Structure                     |



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