

## Certificate of Analysis

Date of Testing: 2025-06-23 16:04:27

Date of Next Testing: 2029-06-22 16:04:27

Product Name: **Magnesium perchlorate**

CAS Number: 10034-81-8

Specifications & Purity: AR, drying agent

Lot #: F2520146

SKU #: **A104924**

Version: **1**

Analysis #: **533309**

Storage Temperature: Argon charged

| Parameter                 | Limit Values                              | Result                                    |
|---------------------------|-------------------------------------------|-------------------------------------------|
| Sulfate(SO42-)            | 0-0.25 (%)                                | 0.02 %                                    |
| Titration Acid            | 0-0.005 (mg/g)                            | 0.01 mg/g                                 |
| Titration Base            | 0-0.025 (mg/g)                            | 0.03 mg/g                                 |
| loss on drying (240°C,2h) | 0-8 (%)                                   | 4.90 %                                    |
| Mg(Complexometric EDTA)   | 9-11 (%)                                  | 9.24 %                                    |
| Chloride (Cl-)            | 0-0.02 (%)                                | 0.00 %                                    |
| Mg(ClO4)2                 | 83-100 (%)                                | 84.82 %                                   |
| (NO3)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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