

## Certificate of Analysis

Date of Testing: 2025-02-14 14:53:50  
Date of Next Testing: 2029-02-13 14:53:50  
Product Name: **Magnesium perchlorate**  
CAS Number: 10034-81-8  
Specifications & Purity: AR, drying agent  
Lot #: B2506022  
SKU #: **A104924**  
Version: **1**  
Analysis #: **408145**  
Storage Temperature: Argon charged

| Parameter                 | Limit Values                              | Result                                    |
|---------------------------|-------------------------------------------|-------------------------------------------|
| Sulfate(SO42-)            | 0-0.25 (%)                                | 0.00 %                                    |
| 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 (%)                                   | 3.84 %                                    |
| Mg(Complexometric EDTA)   | 9-11 (%)                                  | 9.26 %                                    |
| Chloride (Cl-)            | 0-0.02 (%)                                | 0.00 %                                    |
| Mg(ClO4)2                 | 83-100 (%)                                | 85.02 %                                   |
| (NO3)Nitrate              | 0-0.02 (%)                                | 0.00 %                                    |
| 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                     |



John Su  
QA & QC Manager