

## Certificate of Analysis

Date of Testing: 2021-12-21 16:26:08  
Date of Next Testing: 2025-12-20 16:26:08  
Product Name: **Aluminum sulfate octadecahydrate**  
CAS Number: 7784-31-8  
Specifications & Purity: ACS,98.0-102.0%  
Lot #: L2118122  
SKU #: **A100193**  
Analysis: **060800**

| Parameter               | Limit Values          | Result                |
|-------------------------|-----------------------|-----------------------|
| Magnesium(Mg)           | 0-0.002 (%)           | 0.00 %                |
| Sodium(Na)              | 0-0.02 (%)            | 0.01 %                |
| Iron(Fe)                | 0-0.002 (%)           | 0.00 %                |
| Insoluble matter in H2O | 0-0.01 (%)            | 0.00 %                |
| Purity                  | 98-102 (%)            | 99.96 %               |
| Potassium(K)            | 0-0.005 (%)           | 0.00 %                |
| Calcium(Ca)             | 0-0.01 (µg/mg)        | 0.00 µg/mg            |
| Heavy metal (as Pb)     | 0-0.001 (%)           | 0.00 %                |
| X-Ray Diffraction       | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager