

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-18 13:43:28

Date of Next Testing: 2029-11-17 13:43:28

Product Name: **Manganese sulfate monohydrate**

CAS Number: 10034-96-5

Specifications & Purity: PrimorTrace™, ≥99.99% metals basis

Lot #: K2511661

SKU #: **M111711**

Version: **0**

Analysis #: **598674**

Storage Temperature: Room temperature, Argon charged

| Parameter                                       | Limit Values              | Result                    |
|-------------------------------------------------|---------------------------|---------------------------|
| loss on ignition(700°C)                         | 10-12 (%)                 | 11.29000 %                |
| Purity(Based on Trace Metals Impurities of ICP) | 99.99-100 (%)             | 99.99620 %                |
| Total Metallic Impuritie                        | 0-200 (ppm)               | 38.00000 ppm              |
| Appearance (M111711)                            | White to Pale Pink Powder | White to Pale Pink Powder |
| ICP:Confirms Manganese Component                | Confirmed                 | Confirmed                 |
| X-Ray Diffraction                               | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager