

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-08 16:29:44

Date of Next Testing: 2025-08-07 16:29:44

Product Name: **Manganese(II) nitrate tetrahydrate**

CAS Number: 20694-39-7

Specifications & Purity:  $\geq 98\%$

Lot #: H2202493

SKU #: **M191978**

Version: **1**

Analysis #: **106127**

Storage Temperature: Room temperature, Argon charged, Cool

| Parameter             | Limit Values                                | Result                                      |
|-----------------------|---------------------------------------------|---------------------------------------------|
| Manganese(Mn)         | 20.9-21.9 (%)                               | 20.99000 %                                  |
| Water by Karl Fischer | 26-30 (%)                                   | 29.85670 %                                  |
| Appearance (M191978)  | White to dark red or Violet solid or liquid | White to dark red or Violet solid or liquid |
| X-Ray Diffraction     | Conforms to Structure                       | Conforms to Structure                       |



John Su  
QA & QC Manager