

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-11 15:17:01  
Date of Next Testing: 2026-09-10 15:17:01  
Product Name: **Manganese(II) nitrate tetrahydrate**  
CAS Number: 20694-39-7  
Specifications & Purity: 98%  
Lot #: I2305241  
SKU #: **M191978**  
**Analysis: 214342**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Manganese(Mn)	20.9-21.9 (%)	21.64 %
Water by Karl Fischer	26-30 (%)	27.68 %
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