

## Certificate of Analysis

Date of Testing: 2024-10-24 10:29:37  
Date of Next Testing: 2027-10-24 10:29:37  
Product Name: **Manganese(II) nitrate tetrahydrate**  
CAS Number: 20694-39-7  
Specifications & Purity:  $\geq 98\%$   
Lot #: J2417618  
SKU #: **M191978**  
Version: **1**  
Analysis #: **415119**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	26-30 (%)	28.07%
Mn(Complexometric EDTA)	20.9-21.9 (%)	21.89%
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