

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-07 10:12:31  
Date of Next Testing: 2026-12-06 10:12:31  
Product Name: **Manganese(II) sulfate tetrahydrate**  
CAS Number: 10101-68-5  
Specifications & Purity: 99%  
Lot #: K2330240  
SKU #: **M188975**  
**Analysis: 292513**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Ignition loss(450°C)	31-34 (%)	33.40 %
Purity(Complexometric titration)	98.5-101.5 (%)	99.63 %
Appearance (M188975)	Pale pink Crystalline solid	Pale pink Crystalline solid
ICP:Confirms Manganese Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager