

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-14 17:26:12  
Date of Next Testing: 2026-04-13 17:26:12  
Product Name: **MnTMPyP pentachloride**  
CAS Number: 100012-18-8  
Specifications & Purity:  $\geq 95\%$   
Lot #: D23031201  
SKU #: **M342517**  
**Analysis:** **203207**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	96.00%
Carbon by Elemental Analysis	55-58 (%)	56.91%
Nitrogen by Elemental Analysis	11.47-12.57 (%)	11.56%
Infrared spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Mn Component	Confirmed	Confirmed
Appearance(M342517)	Black crystalline powder	Black crystalline powder



John Su  
QA & QC Manager