

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-29 11:38:39  
 Date of Next Testing: 2028-05-28 11:38:39  
 Product Name: **Manganese carbonyl**  
 CAS Number: 10170-69-1  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: E2522044  
 SKU #: **M189337**  
 Version: **0**  
 Analysis #: **206120**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                    | Limit Values                                   | Result                                         |
|------------------------------|------------------------------------------------|------------------------------------------------|
| Carbon by Elemental Analysis | 30-31.6 (%)                                    | 30.79800 %                                     |
| Assay(as Mn)                 | 98-100 (%)                                     | 99.80000 %                                     |
| Appearance (M189337)         | yellow to gold to dark orange powder, crystals | yellow to gold to dark orange powder, crystals |
| X-Ray Diffraction            | Conforms to Structure                          | Conforms to Structure                          |



John Su  
QA & QC Manager