

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-31 16:39:46

Date of Next Testing: 2026-08-30 16:39:46

Product Name: (S,S)-[N,N'-Bis(3,5-di-tert-butylsalicylidene)-1,2-cyclohexanediamine]manganese(III) chloride

CAS Number: 135620-04-1

Specifications & Purity: ≥98%

Lot #: H2323081

SKU #: S587065

Version: 2

Analysis #: 258932

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                      | Limit Values               | Result                     |
|--------------------------------|----------------------------|----------------------------|
| Carbon by Elemental Analysis   | 65.32-69.37 (%)            | 67.97200 %                 |
| Nitrogen by Elemental Analysis | 4.23-4.5 (%)               | 4.41300 %                  |
| Enantiomeric Excess            | 98-100 (%)                 | 99.91000 %                 |
| Purity(HPLC area)              | 98-100 (%)                 | 98.06000 %                 |
| Appearance(S587065)            | Light brown to brown Solid | Light Brown to Brown Solid |
| ICP: Confirms Mn Component     | Confirmed                  | Confirmed                  |
| Infrared spectrum              | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager