

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-23 11:31:07
 Date of Next Testing: 2026-10-22 11:31:07
 Product Name: **(R,R)-(-)-N,N'-Bis(3,5-di-tertbutylsalicylidene)-1,2-cyclohexanediaminomanganese(III) chloride**
 CAS Number: 138124-32-0
 Specifications & Purity: 98%
 Lot #: J2314284
 SKU #: **R587112**
 Analysis: **270505**
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|----------------------------------|---|---|
| Purity(HPLC area) | 98-100 (%) | 99.23% |
| Carbon by Elemental Analysis | 65.35-69.43 (%) | 67.84% |
| Nitrogen by Elemental Analysis | 4.23-4.50 (%) | 4.41% |
| Enantiomeric Excess | 98-100 (%) | 98.01000% |
| Appearance(R587112) | Orange to brown to dark brown powder to crystal | Orange to brown to dark brown powder to crystal |
| ICP:Confirms Manganese Component | Confirmed | Confirmed |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager