

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-14 13:38:09

Date of Next Testing: 2029-10-13 13:38:09

Product Name: **Di-tert-butyl L-(+)-Tartrate**

CAS Number: 117384-45-9

Specifications & Purity:  $\geq 97\%$ (GC)

Lot #: I2525618

SKU # **D154388**

Version **2**

**Analysis #:** **558620**

Storage Temperature: Room temperature

| Parameter                                                   | Limit Values                            | Result                                  |
|-------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(GC)                                                  | 97-100 (%)                              | 98.86400 %                              |
| Melting point                                               | 88-92 (°C)                              | 91.39000 °C                             |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in Acetone})$ | 9-13 (°)                                | 12.83200 °                              |
| NMR Spectrum 1H                                             | Conforms to Structure                   | Conforms to Structure                   |
| Appearance(D154388)                                         | White to Almost white powder to crystal | White to Almost white powder to crystal |



John Su  
QA & QC Manager