

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-20 10:16:42

Date of Next Testing: 2028-08-19 10:16:42

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

CAS Number: 117384-45-9

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

Lot #: H2409135

SKU #: **D154388**

Version: **2**

Analysis #: **347494**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	> 97 (%)	99.00000 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in Acetone})}$	9-13 ($^{\circ}$)	11.20000 $^{\circ}$
Melting point	88-92 ($^{\circ}\text{C}$)	91.68000 $^{\circ}\text{C}$
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