

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-14 11:03:11

Date of Next Testing: 2029-10-13 11:03:11

Product Name: **Dibutyl L-(+)-Tartrate**

CAS Number: 87-92-3

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: L2121657

SKU #: **D154385**

Version: **1**

Analysis #: **586497**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=5 in EtOH)	11-14 (°)	13.90°
Purity(GC)	98-100 (%)	99.89 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(D154385)	White or Colorless to Light yellow powder to lump to clear liquid	White or Colorless to Light yellow powder to lump to clear liquid



John Su
QA & QC Manager