

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-18 10:27:16
 Date of Next Testing: 2025-09-17 10:27:16
 Product Name: **Di-p-toluoyl-L-tartaric acid**
 CAS Number: 32634-66-5
 Specifications & Purity: $\geq 99\%$
 Lot #: L2101233
 SKU #: **D196348**
 Version: **0**
 Analysis #: **277215**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	98.5-101.5 (%)	99.62000 %
Purity(HPLC)	99-100 (%)	99.70000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	-143--136 (°)	-136.57000 °
Melting point	166-171 (°C)	170.84000 °C
Appearance (D196348)	White to off-white or yellow powder	White to off-white or yellow powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager