

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-18 11:17:41

Date of Next Testing: 2024-11-17 11:17:41

Product Name: **Di-p-toluoyl-L-tartaric acid**

CAS Number: 32634-66-5

Specifications & Purity: $\geq 99\%$

Lot #: C1920111

SKU #: **D196348**

Version: **0**

Analysis #: **157095**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	98.5-101.5 (%)	98.60000 %
Purity(HPLC)	99-100 (%)	99.13600 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	-143--136 (°)	-140.20000 °
Melting point	166-171 (°C)	168.60000 °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