

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-18 09:22:36

Date of Next Testing: 2027-05-17 09:22:36

Product Name: **Di-p-toluoyl-D-tartaric acid monohydrate**

CAS Number: 71607-31-3

Specifications & Purity: $\geq 98\%$

Lot #: E2305745

SKU #: **T120025**

Version: **1**

Analysis #: **046327**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.69500 %
Water by Karl Fischer	3-6 (%)	3.88870 %
Specific rotation $[\alpha]_{20/D}(C=1\%, \text{Methanol})$	138-146°	144.62000 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager