

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-21 16:49:57
Date of Next Testing: 2023-06-16 16:49:57
Product Name: **cis-Aconitic acid**
CAS Number: 585-84-2
Specifications & Purity: analytical standard , 98%
Lot #: H2121278
SKU #: **A111231**
Analysis: 103914
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.43100 %
Melting point	118-122 (°C)	119.70000 °C
Purity (Titration by NaOH)	98-100 (%)	98.21 %
Solvent Content (by GC)	0-2 (%)	1.10 %
Trans-Aconitic Acid(HPLC)	0-3 (%)	1.33 %
Appearance (A111231)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to yellow,clear to slightly hazy100mg/ml	pass	Pass



John Su
QA & QC Manager