

## Certificate of Analysis

Date of Testing: 2025-01-08 11:13:00  
Date of Next Testing: 2026-01-03 11:13:00  
Product Name: **cis-Aconitic acid**  
CAS Number: 585-84-2  
Specifications & Purity: analytical standard,  $\geq 98\%$   
Lot #: D2409086  
SKU #: **A111231**  
Version: **0**  
Analysis #: **458886**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.98000 %
Melting point	118-122 ( $^{\circ}\text{C}$ )	119.20000 $^{\circ}\text{C}$
Purity (Titration by NaOH)	98-100 (%)	98.00 %
Solvent Content (by GC)	0-2 (%)	0.10 %
Trans-Aconitic Acid(HPLC)	0-3 (%)	0.00 %
Appearance (A111231)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to yellow,clear to slightly hazy100mg/ml	pass	Pass



John Su  
QA & QC Manager