

## Certificate of Analysis

Date of Testing: 2022-09-09 11:38:35  
Date of Next Testing: 2023-09-04 11:38:35  
Product Name: **cis-Aconitic acid**  
CAS Number: 585-84-2  
Specifications & Purity: 90%  
Lot #: K2113273  
SKU #: **A111230**  
**Analysis: 132739**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	90-100 (%)	96.58000 %
Melting point	113.7-115 (°C)	114.82000 °C
Trans-Aconitic Acid(HPLC)	0-10 (%)	7.82 %
Appearance (A111230)	White crystalline powder	white crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager