

Certificate of Analysis

Date of Testing: 2024-11-11 10:52:43
Date of Next Testing: 2026-11-11 10:52:43
Product Name: **DL-Tartaric acid**
CAS Number: 133-37-9
Specifications & Purity: AR
Lot #: B2302409
SKU #: **T104048**
Version: **1**
Analysis #: **433920**

Parameter	Limit Values	Result
Purity (Titration by NaOH) (anhydrous)	98.5-101.5 (%)	99.80 %
Water by Karl Fischer	0-5 (%)	0.33 %
specific rotation $[\alpha]_{20/D}(C=1$ in water)	-2-2 (°)	-1.00000 °
Appearance (T104048)	White to Off-White Granular or Crystalline Powder	White to Off-White Granular or Crystalline Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless, Clear, 200 mg/ml	pass	Pass



John Su
QA & QC Manager