

## Certificate of Analysis

Date of Testing:	2024-08-31 16:00:13
Date of Next Testing:	2026-08-31 16:00:13
Product Name:	<b>DL-Tartaric acid</b>
CAS Number:	133-37-9
Specifications & Purity:	Reagent Grade
Lot #:	H2427445
SKU #	<b>T104048</b>
Version	<b>1</b>
Analysis #:	<b>400224</b>

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	0.05 %
specific rotation $[\alpha]_{20/D(C=1 \text{ in water})}$	-2-2 (°)	-0.09300 °
Purity (Titration by NaOH) (anhydrous)	98.5-101.5 (%)	100.29 %
Appearance (T104048)	White to Off-White Granular or Crystalline Powder	White to Off-White Granular or Crystalline Powder
Solubility in H <sub>2</sub> O , Colorless, Clear, 200 mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager