

## Certificate of Analysis

Date of Testing: 2022-06-17 23:02:57  
Date of Next Testing: 2026-06-16 23:02:57  
Product Name: **D-(-)-Tartaric acid**  
CAS Number: 147-71-7  
Specifications & Purity: reagent grade,99%  
Lot #: F2215255  
SKU #: **T107140**  
**Analysis: 079491**

Parameter	Limit Values	Result
Enantiometric Excess	99-100 (%)	99.52 %
Specific Rotation [α] <sub>20</sub> /D(c=20 in H <sub>2</sub> O)	-13--11 (°)	-11.25 °
Purity(Neutralization titration)	99-101 (%)	100.06 %
Appearance (T107140)	White Powder or Crystals or Granules or Chunks	White Powder or Crystals or Granules or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless,Clear,100 mg/mL, H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager