

Certificate of Analysis

Date of Testing: 2023-01-16 09:50:21
Date of Next Testing: 2027-01-15 09:50:21
Product Name: **DL-Tartaric acid**
CAS Number: 133-37-9
Specifications & Purity: $\geq 99.9995\%$ metals basis
Lot #: A23061031
SKU #: **T128785**
Analysis: **166422**

Parameter	Limit Values	Result
Sulfate(SO42-)	0-20 (ppm)	11.30 ppm
Purity(Based On Trace Metals Analysis)	99.9995-100 (%)	100.00 %
Phosphate(PO4)	0-10 (ppm)	3.50 ppm
total metallic impurities(by ICP Atomic emission)	0-5 (ppm)	3.00 ppm
Chloride (Cl-)	0-5 (ppm)	0.20 ppm
Appearance (T128785)	white crystal or crystal powder	white crystal or crystal powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager