

Certificate of Analysis

Product Name:

L-(+)-Tartaric acid ACS PurReagent, ≥99.5%

Product No.: PSR50418
Lot No.: PureSynth
Brand: 89992-70-1
CAS No.: 87-69-4
Molecular Formula: C₄H₆O₆
Molecular Weight: 150.09 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White Powder or Crystals	White Powder
Assay (By GC)	≥ 99.5 %	99.94 %
Enantiomeric Excess	≥ 98.5 % EE	99.99 % EE
Specific Rotation (20/D) c = 20 %, Water	10.4 – 14.4 °	11.9 °
Insoluble Matter	NMT 0.005 %	0.004 %
Residue on Ignition	NMT 0.02 %	0.01 %
Identification by IR	Conforms to Structure	Conforms to structure
Oxalate Test	Complies	Complies
Iron	NMT 5.0 ppm	4.7 ppm
Total sulphur	NMT 0.002 %	0.001 %
Heavy metals (as Pb)	NMT 5.0 ppm	4.8 ppm
Chloride (Cl)	NMT 0.001 %	< 0.001
Phosphate (PO ₄)	NMT 0.001 %	< 0.001
Trace analysis (by ICP)	Complies	Complies
Meets ACS Requirements	Conforms	Conforms

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature of and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com