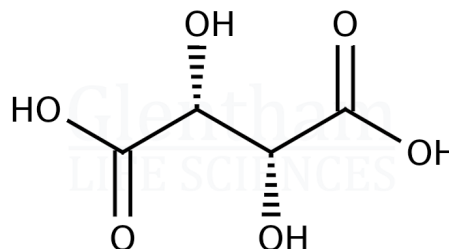


Certificate of Analysis

Product Name L-Tartaric acid
Glentham Code GK7799
CAS Number 87-69-4
EINECS 201-766-0
MDL-Nummer MFCD00064207
PubChem SID 310280492
Batch Number 193QPE

Molecular Weight 150.09
Molecular Formula $C_4H_6O_6$
Storage Temp. +20°C



Property	Specification	Batch 193QPE
Physical Description	Colourless crystals or white powder	White crystalline powder
Identification	According to BP, EP	Entspricht
Solubility (5% in water)	Clear, colourless solution	Entspricht
Specific Optical Rotation	12.0 - 12.8 °	Entspricht
Oxalic Acid	≤ 100ppm	Entspricht
Chlorides	≤ 100ppm	Entspricht
Sulphates	≤ 150ppm	Entspricht
Calcium (Ca)	≤ 200ppm	Entspricht
Heavy Metals (as Pb)	≤ 10ppm	Entspricht
Loss on Drying	≤ 0.2%	Entspricht
Sulphated Ash	≤ 0.05%	Entspricht
Iron (Fe)	≤ 10ppm	Entspricht
Lead (Pb)	≤ 2ppm	Entspricht
Arsenic (As)	≤ 1ppm	Entspricht
Mercury (Hg)	≤ 1ppm	Entspricht
Assay	99.7 - 100.5 % (dried basis)	Entspricht
Pharmacopoeia Specification(s)	BP, EP	Entspricht

Specification Version v1.1
Manufacture Date 2021-06-01
Re-Test Date 2030-10-15

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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