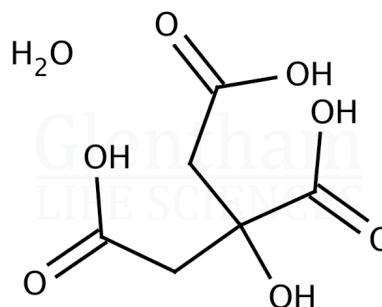


## Certificate of Analysis

Product Name	Citric acid monohydrate, Ultrapure
Glentham Code	GK9002
CAS Number	5949-29-1
EINECS	201-069-1
MDL Number	MFCD00149972
PubChem SID	310270362
Batch Number	076JFU
Molecular Weight	210.14
Molecular Formula	$C_6H_8O_7 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 076JFU
Physical Description	Colourless crystals or white crystalline powder	White crystalline powder
Identification	According to Ph. Eur.	Conforms
Solubility	According to Ph. Eur.	Conforms
Water (KF)	8.1 - 8.7 %	8.5%
Heavy Metals	≤ 1ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Lead (Pb)	≤ 0.5ppm	Conforms
Mercury (Hg)	≤ 1ppm	Conforms
Copper (Cu)	≤ 1ppm	Conforms
Zinc (Zn)	≤ 1ppm	Conforms
Iron (Fe)	≤ 1ppm	Conforms
Barium (Ba)	≤ 1ppm	Conforms
Calcium (Ca)	≤ 10ppm	Conforms
Magnesium (Mg)	≤ 1ppm	Conforms
Aluminium (Al)	≤ 0.2ppm	Conforms
Chlorides	≤ 5ppm	Conforms
Sulphates	≤ 30ppm	Conforms
Oxalates	≤ 10ppm	Conforms
Readily Carbonisable Substances	According to Ph. Eur.	Conforms
Sulphated Ash	≤ 0.1%	Conforms
Assay (Titration)	99.8 - 100.5 %	100.4%
Pharmacopoeia Specification(s)	Ph. Eur.	Conforms

Specification Version	v1.0
Manufacture Date	2022-09-01
Re-Test Date	2031-05-20

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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