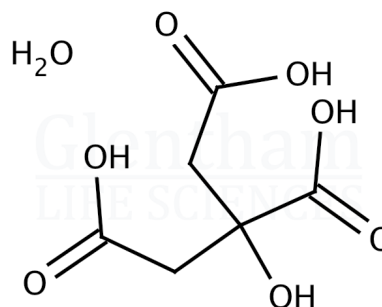


Certificate of Analysis

Product Name	Citric acid monohydrate
Glentham Code	GK0024
CAS Number	5949-29-1
EINECS	201-069-1
MDL Number	MFCD00149972
PubChem SID	310270363
Batch Number	459PUC

Molecular Weight	210.14
Molecular Formula	$C_6H_8O_7 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 459PUC
Physical Description	Colourless crystals to white crystalline powder	Conforms
Identification	According to EP, USP	Conforms
Appearance of Solution	According to EP, USP	Conforms
Water	7.5 - 8.8 %	8.7%
Readily Carbonisable Substances	According to EP, USP	Conforms
Sulphated Ash	≤ 0.05%	0.02%
Sulphate	≤ 150ppm	Conforms
Oxalate	≤ 100ppm	Conforms
Heavy Metals	≤ 10ppm	Conforms
Aluminium	≤ 0.2ppm	Conforms
Assay	99.5 - 100.5 % (anhydrous basis)	100.0%
Pharmacopoeia Specification(s)	EP, USP	Conforms

Specification Version	v1.1
Manufacture Date	2018-11-01
Re-Test Date	2030-04-08

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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