

## Product Datasheet

### GK0024 - Citric acid monohydrate

Pictograms

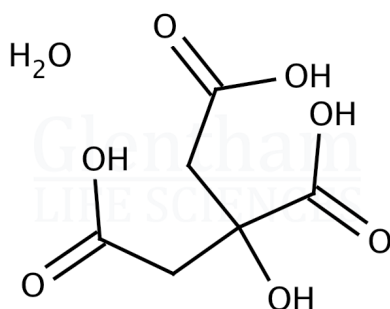


#### Product Details

Product Name	Citric acid monohydrate
Glentham Code	GK0024
CAS Number	5949-29-1
EINECS	201-069-1
MDL Number	MFCD00149972
PubChem SID	310270363
Related Categories	Biochemicals, Vitamins, Buffers, Raw Materials (IVD), Analytical Reagents, Organics, Organic Acids

#### Structure

Molecular Weight	: 210.14
Molecular Formula	: $C_6H_8O_7 \cdot H_2O$



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as dangerous for transport.	
CLP Classification	Eye Irr. 2A
Signal Word	Warning
Hazard Codes	H319
Precautionary Codes	P305+P351+P338

#### Glentham Product Specification

Physical Description	: Colourless crystals to white crystalline powder
Identification	: According to EP, USP
Appearance of Solution	: According to EP, USP
Water	: 7.5 - 8.8 %
Readily Carbonisable Substances	: According to EP, USP
Sulphated Ash	: $\leq 0.05\%$
Sulphate	: $\leq 150\text{ppm}$
Oxalate	: $\leq 100\text{ppm}$
Heavy Metals	: $\leq 10\text{ppm}$
Aluminium	: $\leq 0.2\text{ppm}$
Assay	: 99.5 - 100.5 % (anhydrous basis)
Pharmacopoeia Specification(s)	: EP, USP
Version	: v1.1

#### About Citric acid monohydrate

Found in citrus fruit and extensively used in the food and pharmaceutical industries as an acidifier, flavouring and a chelating agent. Citric acid is a naturally occurring weak organic acid. It is an intermediate in the krebs cycle. Stable in the anhydrous and hydrated forms, citrates are salts of citric acid.

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