

Product Datasheet

GK9002 - Citric acid monohydrate, Ultrapure

Hazard Codes H319
Precautionary Codes P305+P351+P338
Pictograms



Product Details

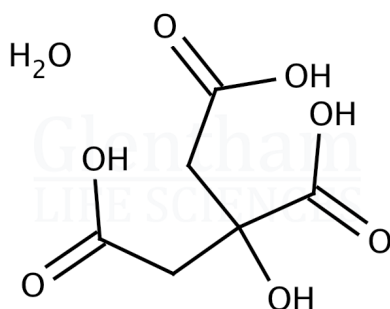
Product Name Citric acid monohydrate,
Ultrapure
Glentham Code GK9002
CAS Number 5949-29-1
EINECS 201-069-1
MDL Number MFCD00149972
PubChem SID 310270362
Related Categories Biochemicals, Vitamins,
Buffers, Raw Materials (IVD),
Analytical Reagents, Organics,
Organic Acids

Glentham Product Specification

Physical Description : Colourless crystals or white
crystalline powder
Identification : According to Ph. Eur.
Solubility : According to Ph. Eur.
Water (KF) : 8.1 - 8.7 %
Heavy Metals : ≤ 1ppm
Arsenic (As) : ≤ 1ppm
Lead (Pb) : ≤ 0.5ppm
Mercury (Hg) : ≤ 1ppm
Copper (Cu) : ≤ 1ppm
Zinc (Zn) : ≤ 1ppm
Iron (Fe) : ≤ 1ppm
Barium (Ba) : ≤ 1ppm
Calcium (Ca) : ≤ 10ppm
Magnesium (Mg) : ≤ 1ppm
Aluminium (Al) : ≤ 0.2ppm
Chlorides : ≤ 5ppm
Sulphates : ≤ 30ppm
Oxalates : ≤ 10ppm
Readily Carbonisable
Substances : According to Ph. Eur.
Sulphated Ash : ≤ 0.1%
Assay (Titration) : 99.8 - 100.5 %
Pharmacopoeia Specification(s) : Ph. Eur.
Version : v1.0

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

About Citric acid monohydrate, Ultrapure

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

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salts of citric acid.