

Product Information

Citric Acid Monohydrate

Product Description:

This product is composed of odorless white granulated crystals of a very high purity citric acid monohydrate. Citric acid monohydrate is very soluble in water and has excellent buffering and weakly acidic properties in solution. It is soluble in organic solvents such as ethanol and ether. This product conforms to the EP, USP, FCC and Codex Alimentarius requirements.

Applications:

Citric acid monohydrate is used as a retarder in concrete and gypsum mixtures. It is used as a dispersant in oil & gas well cementing systems. It is used in the food industry as an acidifier, stabilizer, flavouring and chelating agent. It can be used as a soldering flux, in the passivation of steel and in detergent manufacture.

Chemical Formula:

$C_6H_8O_7 \cdot H_2O$

CAS No. :

5949-29-1

Specifications

Parameters (units)	Specifications
Appearance	Granulated crystals
Assay (%)	99.5 - 100
Moisture content (%)	8.10 - 8.70
Sulfated ash (%)	≤ 0.05
Sulfate (ppm)	< 30
Oxalate (ppm)	≤ 100
Cadmium (ppm)	< 0.1
Chromium (ppm)	< 1
Calcium (ppm)	< 10
Nickel (ppm)	< 1
Iron (ppm)	< 1
Chloride (ppm)	< 5
Aluminium (ppm)	< 0.2
Barium (ppm)	< 1

Parameters (units)	Specifications
Mercury (ppm)	< 1
Arsenic (ppm)	< 1
Lead (ppm)	< 0.5
Copper (ppm)	< 1
Zinc (ppm)	< 1
Magnesium (ppm)	< 1
Pesticide residue (ppb)	≤ 10
Microbiology analysis, total count (cfu/g mL)	< 100
Yeast (cfu/g mL)	< 1000
E. coli (cfu/g mL)	< 10
Enterobacteriaceae (cfu/g mL)	< 10
Particle size, residue retained on 4000 µm mesh (%)	≤ 10
Particle size, residue passed through 150 µm mesh (%)	≤ 10

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Packaging:

Material is available in 25 kg polyethylene bags and 1000 kg polypropylene bags. Further packaging options may be available upon enquiry.

Storage:

Product should be stored in a dry place at room temperature (10 °C - 30 °C) away from direct sunlight in sealed, original packaging. The shelf life for this product is 24 months.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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