

Product Information

Citric Acid 50% Solution

Product Description:

This product is a clear liquid composed of a 50% citric acid aqueous solution. Citric acid 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.

Applications:

Citric acid 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:

$C_6H_8O_7$

CAS No. :

77-92-9

Specifications

Parameters (units)	Specifications
Appearance	Clear liquid
Citric Acid (%)	≥ 50
Sulfated ash (%)	≤ 0.025
Sulfate (ppm)	< 15
Oxalate (ppm)	≤ 50
Cadmium (ppm)	< 0.05
Chromium (ppm)	< 0.5
Calcium (ppm)	< 5
Nickel (ppm)	< 0.5
Iron (ppm)	< 0.5
Chloride (ppm)	< 2.5
Aluminium (ppm)	< 0.1

Parameters (units)	Specifications
Barium (ppm)	< 0.5
Mercury (ppm)	< 0.5
Arsenic (ppm)	< 0.5
Lead (ppm)	< 0.5
Copper (ppm)	< 0.5
Zinc (ppm)	< 0.5
Magnesium (ppm)	< 0.5
Pesticide residue (ppb)	≤ 20
Microbiology analysis, total count (cfu/g mL)	< 50
Yeast (cfu/g mL)	< 500
E. coli (cfu/g mL)	< 5
Enterobacteriaceae (cfu/g mL)	< 5

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Packaging:

Material packaging options are available upon enquiry.

Storage:

Product should be stored in a dry and cool place 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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