



## **Product Specification**

cdhfinechemical.com

## CITRIC ACID MONOHYDRATE AR/ACS MEETS ANALYTICAL SPECIFICATION OF IP, BP, USP, Ph., Eur., FCC.

PRODUCT CODE 496420

SYNONYMS 2-Hydroxy-1, 2, 3- propanetricarboxylic acid

monohydrate.

C.I. NO.

CASR NO. (5949-29-1) ATOMIC OR MOLECULAR FORMULA  $C_6H_8O_7.H_2O$ 

ATOMIC OR MOLECULAR WEIGHT 210.14

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PARAMETER LIMIT

Description Colourless / white crystals or powder.

Solubility 10% solution in water is clear and colourless.

Identification Passes tests.

Assay (Acidimetric, Calc. on anhydrous subs.) 99.5 - 100.5%

## MAXIMUM LIMIT OF IMPURITIES

**PROPERTIES** 

Water (by Karl Fischer) 7.5 - 9.0%Insoluble matter 0.005% Chloride (CI) 0.001% Oxalate 0.036%  $(C_2O_4)$ Phosphate (PO<sub>4</sub>) 0.001% Sulphate  $(SO_4)$ 0.002% 0.0002% Aluminium (Al) Arsenic (As) 0.0001% Barium (Ba) Passes test. Calcium (Ca) 0.005% Copper (Cu) 0.0005% (Fe) 0.0003% Iron (Pb) 0.0002% Lead 0.001% Heavy metals (as Pb) 0.005% Magnesium (Mg) Readily carbonisable Substances Passes test.

Note(s): Assay (if applicable) method mentioned.

**WARNINGHazard statements**: May cause respiratory irritation. Causes skin irritation. Causes seriouseye irritation. Toxic IMDG Code :-- to aquatic life.

UN No. :--

Precautionary statements

Residue after ignition (as SO<sub>4</sub>)

Prevention: Wash hands thoroughly after handling. Wash thoroughly after handling.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs, seek medical advice/attention. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Remove/Take off immediately all contaminated

0.02%

clothingWash/Decontaminate removed clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water.

**Disposal**: Dispose of contents and container in accordance with relevant legislation.

Hazard Pictogram(s):



Replace date 30-Sep-2022