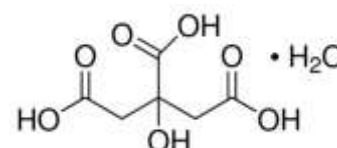


CITRIC ACID MONOHYDRATE AR/ACS MEETS ANALYTICAL SPECIFICATION OF IP, BP, USP, Ph., Eur., FCC.

PRODUCT CODE	496420
SYNONYMS	2-Hydroxy-1, 2, 3- propanetricarboxylic acid monohydrate.
C.I. NO.	--
CASR NO.	(5949-29-1)
ATOMIC OR MOLECULAR FORMULA	C₆H₈O₇·H₂O
ATOMIC OR MOLECULAR WEIGHT	210.14
PROPERTIES	---



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

Water (by Karl Fischer)	7.5 – 9.0%
Insoluble matter	0.005%
Chloride (Cl)	0.001%
Oxalate (C ₂ O ₄)	0.036%
Phosphate (PO ₄)	0.001%
Sulphate (SO ₄)	0.002%
Aluminium (Al)	0.0002%
Arsenic (As)	0.0001%
Barium (Ba)	Passes test.
Calcium (Ca)	0.005%
Copper (Cu)	0.0005%
Iron (Fe)	0.0003%
Lead (Pb)	0.0002%
Heavy metals (as Pb)	0.001%
Magnesium (Mg)	0.005%
Readily carbonisable Substances	Passes test.
Residue after ignition (as SO ₄)	0.02%

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

<p>WARNING Hazard statements: May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life.</p> <p>Precautionary statements</p> <p>Prevention: Wash hands thoroughly after handling. Wash thoroughly after handling.</p> <p>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 clothing/Wash/Decontaminate removed clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water.</p>	<p>IMDG Code :--</p> <p>UN No. :--</p> <p>IATA :--</p>
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Disposal: Dispose of contents and container in accordance with relevant legislation.

Hazard Pictogram(s) :



GHS07

Replace date 30-Sep-2022