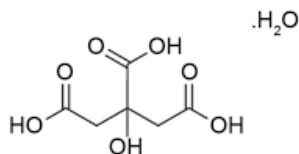


Product Information

CITRIC ACID MONOHYDRATE 99,5% AR

2-Hydroxypropane-1,2,3-tricarboxylic acid



Product Code	O-5065	Grade	Analytical Reagent
Purity	99,5%	CAS No	5949-29-1
Molecular Formula	C ₆ H ₈ O ₇ · H ₂ O	Molecular Weight	210.14 g/mol
H.S.Code	2918.1400	Shelf Life	60 Months

Physical Properties

Physical state	Crystalline	Melting Point	135 - 152 °C
Colour	White	Solubility in water	880 g/l at 20 °C
pH	1.85 at 50 g/l at 25 °C	Density	1,53 g/cm ³ at 20 °C
Flash point	173.9 °C	Vapour pressure	< 0,01 hPa at 25 °C
Partition coefficient: n-octanol/water	log Pow: -1.72 at 20 °C	Decomposition	> 170 °C

Packaging

500 g

Specification

Appearance	Colorless crystals or White crystalline powder
Assay (acidimetric)	99.5 – 102.0 %
Residu on ignition (at 800 °C)	max 0.02 %
Insoluble matter (13.2% in water)	max 0.005 %
Sulphate (SO ₄)	max 0.002 %
Oxalate (C ₂ H ₂ O ₄)	passes test
Chloride (Cl)	max 0.001 %
Iron (Fe)	max 0.0003 %
Phosphate (PO ₄)	max 0.001 %
Lead (Pb)	max 0.0002 %
Substances carbonizable by hot sulfuric acid	passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

UN No.: not applicable

IMCO Class No.: not applicable

Packing Group: not applicable

Hazardous Statement: H319-H335

Precaution Statement: P261-P264-P271-P280-P304+P340+P312-P305+P351+P338