

5020 – CITRIC ACID (MONO) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5020	STANDARD SPECIFICATION FOR CITRIC ACID (MONO) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: 5020

PRODUCT PROPERTIES

C.A.S Number	5949-29-1
Chemical Formula	$C_6H_8O_7 \cdot H_2O$
Formula weight	210.14
Functional Uses	Citric Acid is used as Acidifier, sequestrant, antioxidant synergist, flavouring agent.
Standard Packaging	25 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White or colourless, odourless, crystalline solid;
Solubility	Very soluble in water; freely soluble in ethanol; slightly soluble in ether
Test for citrate	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Water (Karl Fischer Method)	7.50% - 8.80%
Sulfated ash	NMT – 0.05%
Oxalate	NMT – 100 mg/kg
Sulfates	NMT – 150 mg/kg
Readily carbonizable substances	Passes test
Lead	NMT – 0.5 mg/kg
Assay (ODB)	99.5% – 100.5%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

