

5115 – TRI- SODIUM CITRATE (DIHYDRATE) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5115	STANDARD SPECIFICATION FOR TRI- SODIUM CITRATE (DIHYDRATE) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: 5115

PRODUCT PROPERTIES

C.A.S Number	68-04-2
Chemical Formula	$C_6H_5Na_3O_7 \cdot 2H_2O$
Formula weight	294.07
Functional Uses	Buffer, sequestrant, emulsion stabilizer
Standard Packaging	50 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colourless, odourless crystals or white, crystalline powder.
Solubility	Freely soluble in water insoluble in ethanol.
Test For Citrate	Passes test.
Test For Sodium	Passes test.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (180°C to constant weight)	NMT – 13.0%
Alkalinity	Passes test.
Oxalate	Passes test.
Lead	NMT – 2 mg/kg
Assay (on dried basis)	NLT – 99 .0%

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

