

5132 – tri-AMMONIUM CITRATE (FOOD GRADE)

REF NO: TBL/QA/SS/F/5132	STANDARD SPECIFICATION FOR tri-AMMONIUM CITRATE (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 07/02/2025
Issue Date: 08/02/2022		Product code: 5132

PRODUCT PROPERTIES

C.A.S Number	3458-72-8
Chemical Formula	C ₆ H ₁₇ N ₃ O ₇
Formula weight	243.22
Functional Uses	tri-Ammonium Citrate is used as Buffering agent.
Standard Packaging	50 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White Crystals or crystalline powder
Solubility	Freely soluble in water
Test for citrate	Passes test
Test for ammonium	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (5% soln.)	6.0 – 7.5
Sulphate Ash	NMT – 0.05%
Chloride (Cl)	NMT – 0.01%
Lead (Pb)	NMT – 2 mg/kg
Oxalate (C ₂ O ₄)	NMT – 0.04%
Assay	NLT– 97.0 %

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