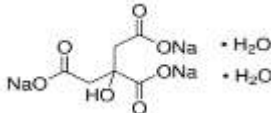


tri SODIUM CITRATE AR/ACS

Meets Analytical Specification of IP, BP, USP, Ph. Eur.

PRODUCT CODE	642385
SYNONYMS	(Sodium Citrate)
C.I. NO.	--
CASR NO.	(6132-04-3)
ATOMIC OR MOLECULAR FORMULA	$\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$
ATOMIC OR MOLECULAR WEIGHT	294.10
PROPERTIES	Soluble in water, insoluble in alcohol.
	
PARAMETER	LIMIT
Description	A white crystalline powder or white granular crystals, or colourless crystals, slightly deliquescent in nature.
Solubility	10% solution in water is clear and colourless.
Identification	Passes test.
Assay (Calculated w.r.t. anhydrous sub. Non-aqueous)	99.0 – 100.5%
pH of (5% soln. in water)	7.5 – 9.0
MAXIMUM LIMIT OF IMPURITIES	
Water (K/F)	11 – 13%
Reducing substances	Passes test.
Insoluble matter	0.005%
Acidity or alkalinity (as HCl or NaOH)	0.1%
Chloride (Cl)	0.003%
Sulphate (SO ₄)	0.005%
Ammonium (NH ₄)	0.003%
Calcium (Ca)	0.005%
Heavy metals (as Pb)	0.0005%
Iron (Fe)	0.0005%
Lead (Pb)	0.0001%
Oxalate (C ₂ O ₄)	0.01%
Readily carbonisable substances	Passes test.
Tartrate	Passes test.
Note(s) : Assay (if applicable) method mentioned.	
WARNING	IMDG Code :
Hazard statements :Not hazardous. No hazards.	UN No. :
Precautionary statements	IATA :
Prevention : -----	
Response : ---	
Hazard Pictogram(s) :	

Replace date 25-july-2026