

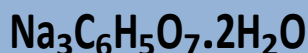


## Product Specification

### tri SODIUM CITRATE AR/ACS

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

<b>PRODUCT CODE</b>	<b>642385</b>
<b>SYNONYMS</b>	(Sodium Citrate)
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	(6132-04-3)
<b>ATOMIC OR MOLECULAR FORMULA</b>	$\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>294.10</b>
<b>PROPERTIES</b>	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
<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Water (K/F)	11 – 13%
Reducing substances	Passes test.
Insoluble matter	0.003%
Acidity or alkalinity (as HCl or NaOH)	0.1%
Chloride (Cl)	0.003%
Sulphate (SO <sub>4</sub> )	0.005%
Ammonium (NH <sub>4</sub> )	0.003%
Arsenic (As)	0.0001%
Copper (Cu)	0.001%
Calcium (Ca)	0.005%
Heavy metals (as Pb)	0.0005%
Iron (Fe)	0.0005%
Lead (Pb)	0.0001%
Oxalate (C <sub>2</sub> O <sub>4</sub> )	0.01%
Readily carbonisable substances	Passes test.
Tartrate	Passes test.

**Note(s): Assay (if applicable) method mentioned.**

<b>WARNING</b>	IMDG Code :
<b>Hazard statements</b> :Not hazardous. No hazards.	UN No. :
<b>Precautionary statements</b>	IATA :
<b>Prevention</b> : -----	
<b>Response</b> : ---	
<b>Hazard Pictogram(s)</b> :-----	