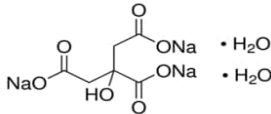


## tri SODIUM CITRATE AR/ACS Meets Analytical Specification of IP, BP, USP, Ph. Eur.

<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>	Na <sub>3</sub> C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> ·2H <sub>2</sub> O	
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>294.10</b>	
<b>PROPERTIES</b>	Soluble in water, insoluble in alcohol.	
<b>PARAMETER</b>	<b>LIMIT</b>	
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.	
<b>Note(s) : Assay (if applicable) method mentioned.</b>		
<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>		

Revised Date 31.10.2022