

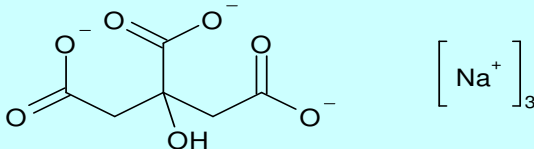


SDFCL
s d fine-chem limited

Quality Control Dept.



Qu: Product Specification

E Control	QC2\DATAD\ID:PS\20242XPS.xls		
PRODUCT CODE	20242		
PRODUCT NAME	tri-SODIUM CITRATE DIHYDRATE AR, ACS Meets Analytical Specification of IP/BP/USP/Ph. Eur (NOT FOR PARENTERAL USE)		
SYNONYMS	(Sodium citrate)		
C.I. NO.	--		
CASR NO.	(6132-04-3)		
ATOMIC OR MOLECULAR FORMULA	Na ₃ C ₆ H ₅ O ₇ ·2H ₂ 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		
Water (K/F)	11 – 13%		
Reducing substances	Passes test.		
MAXIMUM LIMIT OF IMPURITIES			
Insoluble matter	0.003%		
Acidity or alkalinity (as HCl or NaOH)	0.1%		
Chloride (Cl)	0.003%		
Sulphate (SO ₄)	0.005%		
Ammonium (NH ₄)	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 ₂ O ₄)	0.01%		
Readily carbonisable substances	Passes test.		
Tartrate	Passes test.		
Note(s) : Assay (if applicable) method mentioned.			
WARNING Hazard statements : Not hazardous. No hazards. Precautionary statements Prevention : ----- Response : ---			IMDG Code :-- UN No. : -- IATA : --
Disposal : Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.			
Hazard Pictogram(s) :--			
Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 01.04.2010	Checked By: Name/Dept.:Incharge(Q.A.) Sign. : Date : 01.04.2010	Approved By: Name/Dept. : Incharge (Tech.) Sign. : Date : 02.04.2010	Issue Date : 01.07.2002 Revision No.: 02 Revision dt. : 02.04.2010 AMEND NO. : 1554

