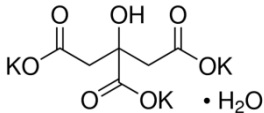


TRI-POTASSIUM CITRATE AR

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

PRODUCT CODE	612545	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(6100-05-6)	
ATOMIC OR MOLECULAR FORMULA	K₃C₆H₅O₇·H₂O	
ATOMIC OR MOLECULAR WEIGHT	324.41	
PROPERTIES	Practically insoluble in alcohol. Loses its water at 180°C.	
PARAMETER	LIMIT	
Description	Colourless or white crystals or powder or crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Identification	Passes tests.	
Minimum assay (Non-aqueous, Calc. on Anhydrous subs.)	99.0%	
pH (5% soln. in water)	8-9.5	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying (at 180°C)	3.0 – 6.0%	
Water (KF)	4.0 – 7.0%	
Insoluble matter	0.003%	
Acidity or alkalinity	Passes test (NMT 0.2 ml of 0.1 N HCl / 0.1 N NaOH)	
Chloride (Cl)	0.005%	
Oxalate (C ₂ O ₄)	0.01%	
Sulphate (SO ₄)	0.005%	
Arsenic (As)	0.0001%	
Copper (Cu)	0.001%	
Iron (Fe)	0.001%	
Heavy metals (as Pb)	0.0005%	
Lead (Pb)	0.0005%	
Sodium (Na)	0.3%	
Readily carbonisable substance	Passes test.	
Reducing substances	Passes test.	
Tartrate	Passes test.	
Organic volatile impurities	Meets the requirement.	
Note(s) : Assay (if applicable) method mentioned.		
2) Protected from moisture		
WARNING		IMDG Code :
Hazard statements :Not hazardous. No hazards.		UN No. :
Precautionary statements		IATA :
Prevention: -----		
Response: ---		
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) :-		

Replace Date 19-May-2023