

Technical Data Sheet

Product Name	Sodium Citrate P.G.		
Product #	KS-02731	CAS #	6132-04-3
Ph. Eur, BP, USP, FCC			
Specifications			
Assay (Perchloric Acid Titration, Calculated on Anhydrous Substance) (Ph Eur)	99.0 - 101.0%		
Assay (Perchloric Acid Titration, Previously Dried Substance) (JP/USP)	99.0 - 100.5%		
Water (According to Karl Fischer)	11 -13%		
Identity (Na)	Passes test		
Identity (Citrate)	Passes test		
Identity (Reaction Upon Ignition)	Passes test		
Appearance	White to almost white, crystalline powder		
Appearance of Solution (100 g/l, CO ₂ -Free Water)	Clear and colorless		
Acidity or Alkalinity	Passes test		
pH-Value (50 g/l CO ₂ -Free Water)	7.5 - 8.5		
Chloride (Cl)	≤ 50ppm		
Sulfate (SO ₄)	≤ 150ppm		
Heavy Metals (as Pb)	≤ 5ppm		
Aluminium (Al)	≤ 5ppm		
Arsenic (As)	≤ 1ppm		
Mercury (Hg)	≤ 1ppm		

Lead (Pb)	≤ 1ppm
Lead (Pb) (ICP)	≤ 1ppm
Oxalate (as C ₂ H ₂ O ₄)	≤ 100ppm
Tartrate (C ₄ H ₆ O ₆)	Passes test
Residual Solvents (ICH Q3C)	Excluded by manufacturing process
Readily Carbonisable Substance	Passes test
Loss on Drying (180°C, 18h)	10.0 – 13.0%

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