

Sodium / Potassium Citrate

Buffer and alkalizing agent

Product Description

Sodium Citrate and Potassium Citrate are pharmaceutical buffering and alkalizing agents used in oral solutions, effervescent tablets and parenteral preparations. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2918.15

CAS Number: Sodium Citrate: 6132-04-3 / Potassium Citrate: 866-01-2

Parameter	Specification	Test Method
Appearance	White crystalline powder	Visual
Assay (Sodium Citrate)	99.0–100.5%	Titration
Assay (Potassium Citrate)	99.0–101.0%	Titration
Identification	Conforms to reference standard	IR
pH (5% aqueous)	7.5–9.0	USP <791>
Loss on Drying	"d 1 . 0 %	USP <731>
Heavy Metals	"d 1 0 p p m	USP <231>

Physical Properties

Appearance: White crystalline powder

Molecular Formula: Sodium Citrate: $C_6H_5Na_3O_7 \cdot 2H_2O$ / Potassium Citrate:

Molecular Weight: Sodium Citrate: 294.10 g/mol / Potassium Citrate: 324.41 g/mol

Solubility: Freely soluble in water; practically insoluble in ethanol

Melting Point: Sodium Citrate: >300°C / Potassium Citrate: >230°C (decomp.)

Packing: 25 kg HDPE bags with polyethylene inner liner; 50 kg bags available

Storage: Store in a cool, dry, well-ventilated area. Below 25°C.

Safety & Handling

PPE: Gloves, safety goggles, dust mask, lab coat

Hazards:

- Mild irritant
- Dust may cause respiratory irritation