

Potassium Chloride / Sodium Chloride

Electrolyte replenisher

Product Description

Pharmaceutical-grade Potassium Chloride and Sodium Chloride are electrolyte replenishers used in ORS, IV fluids and parenteral formulations. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2501.00

CAS Number: KCl: 7447-40-7 / NaCl: 7647-14-5

Classification: Pharmaceutical Excipient — E

Parameter	Specification	Test Method
Appearance	White crystalline powder	Visual
Assay KCl	99.0–100.5%	Argentometric titration
Assay NaCl	99.5–100.5%	Argentometric titration
Identification	Positive flame test; positive chloride precipitate	Flame test / Argentometric
pH (5% aqueous)	5.0–7.5	USP <791>
Heavy Metals	"d 5 p p m	USP <231>
Arsenic	"d 1 p p m	USP <211>

Physical Properties

Appearance: White crystalline powder

Molecular Formula: KCl (MW 74.55 g/mol) / NaCl (MW 58.44 g/mol)

Molecular Weight: KCl: 74.55 g/mol / NaCl: 58.44 g/mol

Solubility: Freely soluble in water; slightly soluble in ethanol

Melting Point: KCl: 770°C / NaCl: 801°C

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
- High potassium intake may affect cardiac function