

Sodium Methyl / Propyl Paraben

Paraben salt preservatives

Product Description

Sodium Methylparaben and Sodium Propylparaben are water-soluble paraben salt preservatives used in aqueous pharmaceutical and cosmetic preparations. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2918.29

CAS Number: Sodium Methylparaben: 5026-62-0 / Sodium Propylparaben: 5285-56-6

Parameter	Specification	Test Method
Appearance	White hygroscopic crystalline powder	Visual
Assay (Sodium Methylparaben)	99.0–101.0% on dried basis	HPLC / Titration
Assay (Sodium Propylparaben)	99.0–101.0% on dried basis	HPLC / Titration
Identification	IR spectrum conforms; positive sodium test	IR / Flame test
pH (1% aq. solution)	9.5–10.5	Potentiometry
Loss on Drying	"d 5.0 %	USP <731>
Clarity of solution	Clear or not more than slightly opalescent	Visual comparison
Heavy Metals (as Pb)	"d 10 p p m	ICP-MS

Physical Properties

Appearance: White hygroscopic crystalline powder

Odor: Odorless to faint characteristic odor

Molecular Formula: Na-Methylparaben: $C^H\ddagger NaOf$ (MW 174.13) / Na-Propylp

Solubility: Freely soluble in water; soluble in ethanol

Packing: 25 kg HDPE drums; 50 kg fibre drums; 1 kg / 5 kg bags for pharma use

Storage: Store in cool, dry, well-ventilated area. Keep containers tightly sealed (hygroscopic). Protect from light.

Safety & Handling

PPE: Gloves, safety goggles, dust mask for powder handling

Hazards:

- Mildly alkaline – may cause irritation at high pH
- Dust may cause mild respiratory irritation