

Methyl Paraben / Propyl Paraben

Paraben preservatives for pharma and cosmetics

Product Description

Methylparaben and Propylparaben are widely used antimicrobial preservatives in pharmaceutical, cosmetic and food formulations. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2918.29

CAS Number: Methylparaben: 99-76-3 / Propylparaben: 94-18-3

Parameter	Specification	Test Method
Appearance	White crystalline powder	Visual
Assay (Methylparaben)	99.0–101.0%	HPLC / Titration
Assay (Propylparaben)	99.0–101.0%	HPLC / Titration
Identification	IR spectrum conforms	IR Spectroscopy
Melting Point (Methylparaben)	125–128°C	Capillary tube
Melting Point (Propylparaben)	95–98°C	Capillary tube
Loss on Drying	"d 0.5 %	USP <731>
Residue on Ignition	"d 0.1 %	USP <281>
Acidity/Alkalinity	Passes test (pH 3–6 in 1% ethanol:water)	Potentiometry
Heavy Metals (as Pb)	"d 10 ppm	ICP-MS

Physical Properties

Appearance: White crystalline odorless powder

Odor: Odorless to faint characteristic odor

Molecular Formula: Methylparaben: $C^H^O f$ (MW 152.15) / Propylparaben: $C^H^O f$

Solubility: Slightly soluble in water; freely 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. Protect from moisture and light. Keep containers tightly closed.

Safety & Handling

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

Hazards:

- Mild skin sensitizer in some individuals
- Dust may cause mild respiratory irritation