

Petroleum Jelly

Ointment base

Product Description

Pharmaceutical-grade Petroleum Jelly (White Petrolatum) is an occlusive ointment base used in topical preparations, skin protectants and cosmetic products. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2712.10

CAS Number: 8009-03-8

Classification: Pharmaceutical Excipient – Oil

Parameter	Specification	Test Method
Appearance	White translucent homogeneous soft mass	Visual
Identification	IR spectrum conforms to white petrolatum reference	IR Spectroscopy
Melting Point (Congealing Point)	38–58°C	BP/USP method
Penetration (25°C, 150g, 5s)	60–250 (tenths of mm)	ASTM D217
Acidity / Alkalinity	Neutral (no change with litmus)	pH paper test
Color (Saybolt)	1.0–4.0	ASTM D156
Loss on Drying	"d 0.3 %	Gravimetric
Polycyclic Aromatic Hydrocarbons	Passes UV absorbance test	UV spectrophotometry
Heavy Metals	"d 10 p p m	ICP-MS

Physical Properties

Appearance: White translucent homogeneous soft unctuous mass

Odor: Odorless

Solubility: Insoluble in water and ethanol; soluble in chloroform, ether, and most oils

Melting Point: 38–58°C

Packing: 15 kg / 50 kg metal or HDPE tins; 175 kg HDPE or metal drums

Storage: Store in cool, well-ventilated area below 30°C. Keep away from heat and open flame.

Safety & Handling

PPE: Gloves for handling hot material (manufacturing use)

Hazards:

- Low toxicity – skin protectant
- Combustible when heated above flash point