

Hard Paraffin / Micro Crystalline Wax

Petroleum-derived pharmaceutical waxes

Product Description

Hard Paraffin (Paraffin Wax) and Microcrystalline Wax are petroleum-derived waxes used as stiffening agents in ointment bases, suppositories and tablet coatings. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2712.20

CAS Number: Hard Paraffin: 8002-74-2, Microcrystalline Wax: 68231-60-7

Parameter	Specification	Test Method
Appearance	White to off-white translucent solid	Visual
Identification	IR spectrum conforms; melting range confirms grade	IR / Melting point
Melting Point (Hard Paraffin)	50–57°C	BP/USP method
Melting Point (Microcrystalline)	60–90°C (grade dependent)	BP/USP method
Penetration at 25°C (Hard Paraffin)	"d 25 (tenths of mm)	ASTM D1321
Penetration at 25°C (Microcrystalline)	"d 50 (tenths of mm)	ASTM D1321
Oil Content (Hard Paraffin)	"d 0.5 %	ASTM D721
Color (Saybolt)	"e +25 (white grades)	ASTM D156
Sulphur Compounds	Absent	Chemical test
Heavy Metals	"d 10 ppm	ICP-MS

Physical Properties

Appearance: White to off-white hard translucent waxy solid

Odor: Faint to odorless

Solubility: Insoluble in water; soluble in chloroform, ether, benzene; sparingly soluble in cold ethanol

Packing: 25 kg carton slabs or granule bags; 50 kg bags; pallet form for bulk

Storage: Store in cool, dry, well-ventilated area below 30°C. Protect from direct heat and sunlight.

Safety & Handling

PPE: Gloves and face shield for handling hot molten wax

Hazards:

- Combustible above flash point
- Hot melt poses burn hazard