

Technical Data Sheet

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PRODUCT INFORMATION

Chinese Name:	凡士林
Commodity Name:	Petroleum Jelly (USP Grade)
Chemical Name:	Petroleum Jelly
CAS No.:	8009-03-8
Molecular Weight:	209.29 g/mol
Molecular Formula:	$C_{86}H_{142}$

PRODUCT DESCRIPTION

Petroleum jelly can be used as a pharmaceutical and cosmetic ingredient and is widely used in the field of skin care. Its main component is white ointment, made of paraffin wax and microcrystalline wax mixed, soft texture and easy to apply. Petroleum jelly can also be used for machine lubrication. In the laboratory, petroleum jelly is used for interface sealing of glass instruments due to its soft texture and easy to apply properties.

TECHNICAL SPECIFICATION

Index	USP Grade
Appearance	White or faintly yellowish, unctuous mass, transparent in thin layers even after cooling to 0°C.
Solubility	Freely soluble in benzene, in carbon disulphide, and in chloroform; soluble in ether, in solvent hexane, and in most fixed and volatile oils, slightly soluble in cold or hot alcohol, and in cold dehydrated alcohol, insoluble in water.
Colour	The warm, melted liquid is not darker than a standard solution.
Specific Gravity at 60°C	0.815 - 0.840
Melting Range, °C	55 - 60
Consistency	160 - 180
Acidity	No red or pink color is produced.
Alkalinity	The solution does not acquire a pink color.
Residue on Ignition	0.05% max
Organic Acid	Not more than 400 uL of 0.1 N NaOH is required.
Fixed Oils, Fats & Rosin	No oily or solid matter separates.

PACKING, LOADING AND SHELF LIFE

Packing: 170kg/metal drum

Loading: Packing is 170kg/drum with pallets, 13.6mt/20'FCL, Packing is 170kg/drum with pallets, 25.16mt/40'FCL

Shelf Life: 12 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.