

Product Data Sheet

Protol[®]

White Mineral Oil

Product Description

White Mineral Oils are highly refined, odorless, tasteless and have excellent color stability. They are chemically and biological stable and do not support bacterial growth. Their inert nature makes them easy to work with as they lubricate sooth, soften and hold in moisture in formulations. These oils can be found in a variety of product lines such as antibiotics, baby oils, lotions, creams, shampoos, sunscreens and tissues.

Physical Properties

Properties	Unit	Method	Specification	Typical
Density at 20°C	kg/m ³	ASTM D 4052	850-880	863
Kin. Viscosity at 40°C	mm ² /s	ASTM D 445	34-39	36
Kin. Viscosity at 100°C	mm ² /s	ASTM D 445	4-6	5.3
Dyn. Viscosity at 20°C	mPa.s	ASTM D 445		91
Pourpoint, COC	°C	ASTM D 97	Max. -9	-12
Flashpoint	°C	ASTM D 92	Min. 180	212
Saybolt Colour			+30	+30
Odour			None	None
Readily Carbonisable Substances		All Pharm.	Pass	Pass
Polycyclic Aromatic Hydrocarbons (Polynuclear Compounds)		USP/NF/EUP	Pass	Pass
Acidity / Alkalinity		USP/NF/EUP	Pass	Pass
Solid Paraffins		USP/NF/EUP	Pass	Pass

Purity

This oil meets the purity requirements of all International Pharmacopoeias. Moreover it meets the requirements of the Food Industry in the various countries, such as the Food and Drug Administration (FDA § 172.878), Lebensmittelgesetz, etc.

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