

PRODUCT DATA SHEET

LIGHT MINERAL OIL – WP 70

Pharma Grade White oils

DESCRIPTION

WP 70 – Pharma Grade White oils are severely refined hydro-cracked / hydro-treated oils with highest degree of purity and are stabilized with suitable additives for oxidation / UV stability. These oils are suitable for Pharmaceutical, Cosmetic and Food industries, for direct & indirect food contact. The oils are also Kosher, and Halal approved and conform purity of the following:

- ASTM Test methods – Latest version.
- Indian Pharmacopoeia (Except Viscosity)
- British Pharmacopoeia & European Pharmacopoeia. (Except Viscosity)
- US Pharmacopoeia / National Formulary
- US FDA 21 CFR 172.878 & 178.3620 (a)

PRODUCT FEATURES

- Good lubrication properties for Food grade machinery application.
- Better rust and corrosive protection properties.
- Better releasing agent for Bakery application.
- Highly stable.
- Used in lubricants with incidental food contact. or on food for human consumption.

APPLICATION AREAS

WP 70 – Pharma Grade White oils are extensively used as bases for pharmaceuticals and personal care products. The inertness of the product offers properties such as good lubricity, smoothness and softness and resistance to moisture in the formulations.

Fully conforms to the requirements of US FDA 21CFR 172.878 for use in or on food for human consumption and 178.3620(a) for use as a component of non-food articles intended for use in contact with food for human consumption.

PACKING

WP 70 – Pharma Grade White oils are available in packing of 210 / 235 liters net HDPE / Steel Drums, IBC, in bulk and Flexi bags or ISO tanks.

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TECHNICAL DATA

Properties	Test Method	Specification	Typical Value
Appearance	Visual	Transparent clear, colorless, odorless liquid free from fluorescence in daylight & suspended impurities.	Transparent clear, colorless, odorless liquid free from fluorescence in daylight & suspended impurities.
Color Saybolt, Min	ASTM D 156 / ASTM D 6045	+30	+30
Relative Density @ 20°C,	BP / Ph.Eur.	0.823 – 0.841	0.836
Weight per ml @ 25°C, g/ml	IP	0.818 – 0.835	0.832
Specific Gravity @ 25°C, g/ml	USP/NF	0.821 – 0.838	0.835
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	11.0 – 14.0	13.50
Dy. Viscosity @ 20°C, mPas	IP / BP / Ph.Eur.	17 – 24	22.85
Flash Point, COC, °C, min	ASTM D 92	150	170
Pour Point, °C max.	ASTM D 97	-15	-24
Solubility	IP/BP/Ph.Eur.	To Pass	Passes
Readily carbonisable substance	IP / BP / Ph.Eur/USP	To Pass	Passes
Solid Paraffins		To Pass	Passes
Acidity / Alkalinity		To Pass	Passes
Sulphur Compounds	IP	To Pass	Passes
Light Absorption @ 240-280nm	IP	< 0.1 (Passes)	0.035
Polynuclear Compounds/Polycyclic Aromatic Hydrocarbons.	USP/BP/Ph.Eur/ US FDA 21CFR 172.878	To Pass	Passes

Note: Refer the Safety Data Sheet for safety and handling guidelines for this product.