

# FINAVESTAN U



WHITE OILS



**TOTAL**

## Medicinal Grade White Mineral Oils.

### APPLICATIONS

- The application is subject to the applicable laws and regulations in each country.
- Component for many pharmaceutical and cosmetic products.
- Plasticizer for the polystyrene, external lubricant and other uses for food packaging.
- Extender for elastomers and used also for adhesives formulations.
- Defoaming agent, protective film and release agent in the food industry.
- Component of the lubricants for the food industry (incidental food contact).
- Food processing aid (direct food contact) and food additive.

### SPECIFICATIONS

- **FINAVESTAN U** oils meet the requirements of the following specifications<sup>(1)</sup>:
- European Pharmacopoeia, most recent edition
- British Pharmacopoeia, BP 2001 French Pharmacopoeia Francaise, 10th edition
- US Pharmacopoeia, most recent edition
- US FDA, 21 CFR 172.878 et 21 CFR 178-3620(a), White Mineral Oil
- European Directive 2004/19/CE amending Directive 2002/72/EC relating to plastic materials and articles intended to come into contact with foodstuffs
- <sup>(1)</sup> For every regulation, see the definition of the white mineral oil according to the selected viscosity grade of **FINAVESTAN U** oil.

### ADVANTAGES

Quality and purity for non-pharmaceutical applications.

- **FINAVESTAN U** white oils are extremely high purity.
- Transparent, colorless, odorless, and tasteless.
- Meets pharmaceutical, cosmetic, and food industry requirements.
- Subject to the regulations in each country.
- Obtained from petroleum through important stages of refining.

TYPICAL CHARACTERISTICS	METHODS	FINAVESTAN U						
		70	85	100	190	210	350	500
SUS Viscosity Grade								
Color, Saybolt	ASTM D 156	+30	+30	+30	+30	+30	+30	+30
Viscosity at 40°C, cSt	ASTM D 445	12.2	15.6	19.0	36.0	39.1	68.5	100.0
Viscosity Index	ASTM D 2270	95	95	95	95	95	95	95
Density @ 60°F, lbs./gal.	ASTM D 1298	7.20	7.13	7.14	7.19	7.19	7.27	7.30
Specific Gravity @ 60/60°F	ASTM D 1298	0.863	0.855	0.856	0.861	0.861	0.871	0.875
Flash Point, COC, °F	ASTM D 92	360	375	375	410	410	450	512
Flash Point, COC, °C	ASTM D 92	182	190	190	210	210	232	267
US Pharmaceutical Category		NF	NF	NF	USP	USP	USP	USP

## TOTAL Specialties USA, Inc.

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