

Shell Ondina Oil 927

Medicinal white oil



Shell Ondina Oils are highly refined, non-stabilised, aromatic-free paraffinic or naphthenic white mineral oils complying with the stringent pharmacopoeia purity requirements. Ondina oils can be used in pharmaceutical, food packaging, cosmetic and other applications, where this high purity is required by legislation or important for the quality of the finished product.

Typical Physical Characteristics

		Ondina 927
Specifications European Pharmacopoeia 4 US Pharmacopoeia 25 / NF 20 EU Directive 2002/72/EC		Light Liquid Paraffin Light Mineral Oil no
Colour (Saybolt)	ASTM D 156	+30
Density at 15 °C kg/m ³	ISO 12185	865
Refractive Index at 20 °C	ASTM D 1218	1.473
Flashpoint COC °C	ISO 2592	205
Pour Point °C	ISO 3016	-21
Dynamic Viscosity at 20 °C mPa*s	ISO 3104	72
Kinematic Viscosity at 20 °C mm ² /s at 40 °C mm ² /s at 100 °C mm ² /s	ISO 3104	83 31 5.1
Sulphur (X-Ray) %m/m	ISO 14596	< 0.001
Carbon Type Distribution C/A (S-corr.) C/N (S-corr.) % C/P (S-corr.) %	DIN 51378 / ASTM D 2140 mod.	38 62
Refractive Intercept (RI)	DIN 51378	1.0425
Viscosity Gravity Constant (VGC)	DIN 51378	0.809
Aniline Point °C	ISO 2977	107
Evaporation Loss (22h/107°C) %m/m	ASTM D 972	0.8
Noack Volatility (1h/250°C) %m/m	ASTM D 5800	25
Molecular Weight g/mol	ASTM D 2502	385
Carbon Number at 5 % Distill. Point	ASTM D 2887mod	C21
Boiling Range (Sim. Distillation) °C	ASTM D 2887	
Purity Requirements for Medicinal White Oils acc. Europ. Pharm. 3/4; US Pharm. 25; US FDA §172.878, FDA §178.3620(a)		pass

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.