

Shell Ondina 917

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 917
Specifications Europ.Pharmacopoeia 3 US Pharmacopoeia 23 EU Directive 90/128/EEC		Light Liquid Paraffin Light Mineral Oil -
Colour (Saybolt)		ASTM D 156 +30
Density at 15 °C	kg/m ³	ISO 12185 854
Refractive Index at 20 °C		ASTM D 1218 1.468
Flashpoint COC	°C	ISO 2592 200
Pour Point	°C	ISO 3016 -15
Dynamic Viscosity at 20 °C	mPa*s	ISO 3014 36
Kinematic Viscosity at 20 °C	mm ² /s	ISO 3014 42
at 40 °C	mm ² /s	18
at 100 °C	mm ² /s	3.7
Carbon Type Distribution C/N (S-corr.)	%	DIN 51378 / ASTM D 2140 34
C/P (S-corr.)	%	mod. 66
Refractive Intercept (RI)		DIN 51378 1.0430
Viscosity Gravity Constant (VGC)		DIN 51378 0.806
Sulphur (X-Ray)	%m/m	ISO 14596 < 0.001
Aniline Point	°C	ISO 2977 106
Evaporation Loss (22h/107°C)	%m/m	ASTM D 972 1
Molecular Weight	g/mol	ASTM D 2502 360
Carbon Number at 5 % Distill. Point		ASTM D 2887mod C20
Purity Requirements for Medicinal White Oils acc. Europ.Pharm. 3; US Pharm. 23; 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.