

Shell Ondina 941

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 941
Specifications Europ.Pharmacopoeia 3 US Pharmacopoeia 23 EU Directive 90/128/EEC		- Mineral Oil pass
Colour (Saybolt)		ASTM D 156 +30
Density at 15 °C	kg/m ³	ISO 12185 868
Refractive Index at 20 °C		ASTM D 1218 1.476
Flashpoint COC	°C	ISO 2592 260
Pour Point	°C	ISO 3016 -9
Dynamic Viscosity at 20 °C	mPa*s	ISO 3014 268
Kinematic Viscosity at 20 °C at 40 °C at 100 °C	mm ² /s mm ² /s mm ² /s	ISO 3014 310 94 11
Carbon Type Distribution C/N (S-corr.) C/P (S-corr.)	% %	DIN 51378 / ASTM D 2140 mod. 30 70
Refractive Intercept (RI)		DIN 51378 1.0434
Viscosity Gravity Constant (VGC)		DIN 51378 0.795
Sulphur (X-Ray)	%m/m	ISO 14596 < 0.001
Aniline Point	°C	ISO 2977 123
Evaporation Loss (22h/107°C)	%m/m	ASTM D 972 < 0.1
Molecular Weight	g/mol	ASTM D 2502 530
Carbon Number at 5 % Distill. Point		ASTM D 2887mod C28
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.