

Shell Ondina Oil 934

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 934
Specifications European Pharmacopoeia 4 US Pharmacopoeia 25 / NF 20 EU Directive 2002/72/EC		Liquid Paraffin yes
Colour (Saybolt)		ASTM D 156 +30
Density at 15 °C	kg/m ³	ISO 12185 865
Refractive Index at 20 °C		ASTM D 1218 1,475
Flashpoint COC	°C	ISO 2592 240
Pour Point	°C	ISO 3016 -12
Dynamic Viscosity at 20 °C	mPa*s	ISO 3104 205
Kinematic Viscosity		ISO 3104
at 20 °C	mm ² /s	238
at 40 °C	mm ² /s	76
at 100 °C	mm ² /s	9,7
Carbon Type Distribution		DIN 51378 / ASTM D 2140
C/A (S-corr.)		mod. 38
C/N (S-corr.)	%	62
C/P (S-corr.)	%	
Refractive Intercept (RI)		DIN 51378 1,0434
Viscosity Gravity Constant (VGC)		DIN 51378 0,793
Evaporation Loss (22h/107°C)	%m/m	ASTM D 972 0,8
Noack Volatility (1h/250°C)	%m/m	ASTM D 5800 3,5
Molecular Weight	g/mol	ASTM D 2502 507
Carbon Number at 5 % Distill. Point		ASTM D 2887mod > C25
Boiling Range (Sim. Distillation)	°C	ASTM D 2887 370 - 600
Purity Requirements for Medicinal White Oils acc. Europ. Pharm. V; 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.