

Shell Ondina Oil 909

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 909
Specifications European Pharmacopoeia 4 US Pharmacopoeia 25 / NF 20 EU Directive 2002/72/EC		- Light Mineral Oil no
Colour (Saybolt)	ASTM D 156	+30
Density at 15 °C kg/m ³	ISO 12185	825
Refractive Index at 20 °C	ASTM D 1218	1.454
Flashpoint COC °C	ISO 2592	125
Pour Point °C	ISO 3016	-9
Dynamic Viscosity at 20 °C mPa*s	ISO 3104	5.1
Kinematic Viscosity	ISO 3104	
at 20 °C mm ² /s		6.2
at 40 °C mm ² /s		3.8
at 100 °C mm ² /s		-
Sulphur (X-Ray) %m/m	ISO 14596	< 0.001
Carbon Type Distribution	DIN 51378 / ASTM D 2140	
C/A (S-corr.)	mod.	36.0
C/N (S-corr.) %		64
C/P (S-corr.) %		
Refractive Intercept (RI)	DIN 51378	1.0426
Viscosity Gravity Constant (VGC)	DIN 51378	0.810
Aniline Point °C	ISO 2977	88
Evaporation Loss (22h/107°C) %m/m	ASTM D 972	55
Noack Volatility (1h/250°C) %m/m	ASTM D 5800	
Molecular Weight g/mol	ASTM D 2502	
Carbon Number at 5 % Distill. Point	ASTM D 2887mod	C13
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.

