



Shell Ondina Oil 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.

DESIGNED TO MEET CHALLENGES

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Typical Physical Characteristics

Properties			Method	Shell Ondina Oil 917
Specifications - European Pharmacopoeia V				Light Liquid Paraffin
Specifications - US Pharmacopoeia 25 / NF 20				Light Mineral Oil
Specifications - EU Directive 2002/72/EC				No
Colour (Saybolt)			ASTM D156	+30
Density	@15°C	kg/m ³	ISO 12185	854
Refractive Index	@20°C		ASTM D1218	1.468
Flashpoint (COC)		°C	ISO 2592	200
Pour Point		°C	ISO 3016	-15
Dynamic Viscosity	@20°C	mPa*s	ISO 3104	36
Kinematic Viscosity	@20°C	mm ² /s	ISO 3104	42
Kinematic Viscosity	@40°C	mm ² /s	ISO 3104	18
Kinematic Viscosity	@100°C	mm ² /s	ISO 3104	3.7
Sulphur (X-Ray)		% m/m	ISO 14596	<0.001
Carbon Type Distribution : C/A (S-corr.)		%	DIN 51378/ASTM D2140 mod.	-
Carbon Type Distribution : C/N (S-corr.)		%	DIN 51378/ASTM D2140 mod.	34
Carbon Type Distribution : C/P (S-corr.)		%	DIN 51378/ASTM D2140 mod.	66
Refractive Intercept (RI)			DIN 51378	1.0430
Viscosity Gravity Constant (VGC)			DIN 51378	0.806
Aniline Point		°C	ISO 2977	106
Evaporation Loss (22 hrs)	@107°C	% m/m	ASTM D972	1
Noack Volatility (1 hr)	@250°C	% m/m	ASTM D5800	35
Molecular Weight		g/mol	ASTM D2502	360
Carbon Number at 5% Distill. Point			ASTM D2887 mod	C20
Purity Requirements for Medicinal White Oils acc. Europ.Pharm.				Pass

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

Health, Safety & Environment

■ Health and Safety

Shell Ondina Oil 917 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

■ Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

■ Advice

Advice on applications not covered here may be obtained from your Shell representative.