



Shell Ondina 919

Shell Ondina Oils are highly refined, non-stabilised, aromatic-free paraffinic or naphthenic white mineral oils complying with the stringent pharmacopoeia purity requirements. Shell Ondina 919 is designated to substitute Shell Ondina 917.

DESIGNED TO MEET CHALLENGES

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Ondina 919
Flash Point (COC)		°C	ISO 2592	200
Pour Point		°C	ISO 3016	-15
Sulphur		%	ISO 14596	<0.001
Dynamic Viscosity	@20°C	mPa*s	ISO 3104	43.5
Kinematic Viscosity	@20°C	mm ² /s	ISO 3104	51
Kinematic Viscosity	@40°C	mm ² /s	ISO 3104	21
Kinematic Viscosity	@100°C	mm ² /s	ISO 3104	4.0
Carbon Type Distribution C/N		%	DIN 51378	35
Carbon Type Distribution C/P		%	DIN 51378	65
Viscosity Gravity Constant (VGC)			DIN 51378	0.805
Refractive Intercept (RI)			DIN 51378	1.0431
Aniline Point		°C	ISO 2977	107
Evaporation Loss (22 hrs)	@107°C	%	ASTM D972	1
Noack Volatility (1 hr)	@250°C	%	ASTM D5800	35
Molecular Weight			ASTM D2502	360
Carbon Number at 5% Distill Point			ASTM D2887/mod.	C20
Purity Requirements for Medicinal Oils Europ.Pharm. VII, US Pharm 29; US FDA 172.878, FDA 178.3620(a)				Pass
Colour (Saybolt)			ASTM D156	+30
Density	@15°C	kg/m ³	ISO 12185	856
Refractive Index	@20°C		ASTM D1218	1.4695

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 919 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 your Shell representative.

- **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.