



Shell Ondina X 430

GtL Medicinal White Oil

Shell Ondina X 430 is a hydrocarbon fluid based on Shell Gas-to-Liquid Technology. It is fully saturated with a high degree of iso paraffinic structures. Shell Ondina X 430 fulfills the stringent international pharmacopoeia purity requirements.

DESIGNED TO MEET CHALLENGES

Specifications, Approvals & Recommendations

This product meets the requirements of:

- FDA 21 CFR 178.3620(a), purity level
- FDA 21 CFR 172.878, purity level
- European Pharmacopoeia, purity level
- US Pharmacopeia/National Formulary, purity level

This product is registered to the requirements of:

- NSF H1, HX-1, 3H

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

Typical Physical Characteristics

Properties	Method	Shell Ondina X 430
Colour (Saybolt)	ASTM D156	+30
Density @ 15°C kg/m ³	ISO 12185	828
Refractive Index @ 20°C	ASTM D1218	1.460
Viscosity Index	ISO 2909	130
Flashpoint COC °C	ISO 2592	255
Pour Point °C	ISO 3016	-24
Kinematic Viscosity @ 20°C mm ² /s	ISO 3104	111
Kinematic Viscosity @ 40°C mm ² /s	ISO 3104	43
Kinematic Viscosity @ 100°C mm ² /s	ISO 3104	7.6
Aniline Point °C minimum	ISO 2977	130
Evaporation Loss 22h/107°C %m	ASTM D927	0.1
Noack Volatility 1h/250°C %m	ASTM D5800	2.5

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 X 430 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.

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 or technical helpdesks.