Technical Data Sheet

Shell **Ondina** *X 430*

GtL Medicinal White Oil

Shell Ondina X 430 is a hydocarbon fluid based on Shell Gas-to-Liquid Technology. It´s 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

Typical Physical Characteristics

Properties			Method	Shell Ondina X 430
				Ondina X 430
Colour (Saybolt)			ASTM D156	+30
Density	@ 15°C	kg/m³	ISO 12185	828
Refractive Index	@ 20°C		ASTM D1218	1460
Viscosity Index			ISO 2909	130
Flashpoint COC		°C	ISO 2592	255
Pour Point		°C	ISO 3016	-24
Kinematic Viscosity	@ 20°C	mm²/s	ISO 3104	111
Kinematic Viscosity	@ 40°C	mm²/s	ISO 3104	43
Kinematic Viscosity	@ 100°C	mm²/s	ISO 3104	7.6
Aniline Point		°C	ISO 2977	>130
Evaporation Loss	22h/107°C	%m	ASTM D927	0.1
Noack Volatility	1h/250°C	%m	ASTM D5800	2.5
Purity Requirements				
Medicinal White Oil		Latest version	EU Pharm.	Pass
Medicinal White Oil		Latest version	US Pharm.	Pass
Medicinal White Oil			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.

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.

  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.