



## Properties and Specifications of Petro-Canada's PURETOL™ 9D

### PURETOL 9D meets the requirements of the following specifications:

- European Pharmacopeia (Ph. Eur.), (current revision), Light Liquid Paraffin
- National Formulary (NF), (current revision), Light Mineral Oil
- U.S. Food and Drug Administration (FDA), 21 CFR 172.878 White Mineral Oil and 21 CFR 178.3620(a) Mineral Oil
- certified Kosher (Passover)
- certified Halal
- Expiry Date, from Date of Manufacture is 2 years

Property	Test Method	Specification	Typical Values
Density @ 15°C, kg/L	ASTM D4052	0.8420 - 0.8698	0.8581
Density @ 20°C, kg/L	ASTM D4052	Report	0.8549
Specific gravity @ 25°C, none	ASTM D4052	0.838 - 0.866	0.854
Viscosity @40°C, cSt	ASTM D0445	14.5 - 17.0	15.5
Viscosity @100°C, cSt	ASTM D0445	Report	3.41
Dynamic Viscosity, mPa.s @20°C	EP (current revision)	27.0 - 37.0	30.9
Saybolt Viscosity @100°F, SUS	ASTM D2161	Report	85
Odor	PCM532	Neutral-Pass	Pass
Appearance	Visual	Clear & Bright	Clear & Bright
Colour, Saybolt	ASTM D0156	30 min	+30
Pour Point, °C	ASTM D5950	-18 max	-21
Flash Point, COC, °C	ASTM D0092	180 min	>180
Refractive Index @ 20°C	ASTM D1218	Report	1.4690
Refractive Index @ 25°C	ASTM D1218	Report	1.4673
FTIR for White Oils - Compare to EP STD	EP (current revision)	Pass	Pass
Readily Carbonizable Substances	EP (current revision)	Pass	Pass
Acidity of White Oils - EP	EP (current revision)	Pass	Pass
Solid Paraffins	EP (current revision)	Pass	Pass
Polycyclic Aromatic Hydrocarbons	EP (current revision)	Pass	Pass
Limit of Sulfur Compounds	NF (current revision)	Pass	Pass