

PEMBINA NORTH PIPELINE PETROLEUM SPECIFICATIONS Effective : May 01, 2018	Units	Test Method	CONDENSATE
Absolute Density at 15°C	kg/m ³	ASTM D4052	775–650
Vapour Pressure (VPCR₄ @ 37.8°C)	kPaa	ASTM D6377	◀103
Receipt Temperature	°C °C		40 (max.) 0.0 (min.)
Moisture and Contaminant Content ^{(1) (2)}	vol%	ASTM D4007	◀ 0.5
Colour		ASTM D1500	◀ 4.0
Micro Carbon Residue (MCR)	wt%	ASTM D4530	◀ 0.5
PH of Contained Water ⁽²⁾			▶5.0 & ◀7.0
Total Sulphur	wt%	ASTM D4294	◀ 0.5
Organic Chlorides in the Whole Crude	wppm	ASTM D4929	◀ 1
Mercaptans, Volatile (cummulative C1,C2,C3)	wppm S	ASTM D5623	◀ 175
Hydrogen Sulphide in the Liquid Phase	wppm	ASTM D5623	◀ 20
Olefins, Total	wt%	H NMR	◀ 1
Oxygenates	wppm	PONAOX (U) ASTM D6729	◀ 100
Aromatics, Total (BTEX)	vol%	PONAOX (U) ASTM D6729	▶ 2.0
Benzene	vol%	PONAOX (U) ASTM D6729	◀ 1.6
Phosphorous in Volatile Fraction	wppm	ICP AES D86 (250°C cut)	◀1.5
Total Salt	g/m3		◀ 285
Total Filterable Solids	mg/l	ASTM D4807 Procedure C	◀200
Viscosity @ 7.5 °C	cSt	ASTM D7042	◀2.0 ⁽³⁾
NOTES:			
1. Contaminant content means all non-hydrocarbon materials excluding Nitrogen and Carbon Dioxide.			
2. No free water at -29°C.			
3. Densities greater than 775 kg/m3 but less than 800 kg/m3 can be accepted if a recent Certificate of Analysis is provided demonstrating viscosity, filterable solids and sulphur content meet the specification limits.			
The symbol "◀" designates less than and "▶" designates greater than.			