

<b>PEACE PIPELINE PETROLEUM SPECIFICATIONS</b> Effective: May 01, 2022	<b>Units</b>	<b>Test Method</b>	<b>HIGH SULPHUR CRUDE</b>	<b>SWEET CRUDE</b>
<b>Absolute Density at 15°C</b>	kg/m <sup>3</sup>	ASTM D5002	876-799	876-799
<b>Vapour Pressure (VPCR<sub>4</sub> @ 37.8°C)</b>	kPaa	ASTM D6377	May 1 to Oct 31 ◀85 Nov 1 to Apr 30 ◀95	May 1 to Oct 31 ◀85 Nov 1 to Apr 30 ◀95
<b>Receipt Temperature</b>	°C °C		40 (max.) 0.0 (min.)	40 (max.) 0.0 (min.)
<b>Moisture and Contaminant Content</b> <sup>(1) (2)</sup>	vol%	ASTM D4007	◀ 0.5	◀ 0.5
<b>Colour</b>		ASTM D1500	◀8.0	◀ 8.0
<b>PH of Contained Water</b> <sup>(2)</sup>			▶5.0 & ◀7.0	▶5.0 & ◀7.0
<b>Total Sulphur</b>	wt%	ASTM D4294	▶0.5	◀ 0.5
<b>Organic Chlorides in Whole Crude</b>	wppm	ASTM D4929	◀ 1	◀ 1
<b>MCR</b>	wt%	ASTM D4530	◀ 4	
<b>TAN</b>	mgKOH/g	ASTM D664	◀ 0.5	
<b>Nickel</b>	mg/L	ASTM D5708-05	◀ 33	
<b>Vanadium</b>	mg/L	ASTM D5708-05	◀ 75	
<b>Hydrogen Sulphide in the Liquid Phase</b>	wppm	ASTM D5623	◀ 100 <sup>(3)</sup>	◀ 100 <sup>(3)</sup>
<b>Olefins, Total</b>	wt%	H NMR	◀ 1	◀ 1
<b>Phosphorous in Volatile Fraction</b>	wppm	ICP AES D86 (250°C cut)	◀1.0	◀1.0
<b>Total Salt</b>	g/m3		◀ 285	◀ 285
<b>Viscosity @ 10.0 °C</b>	cSt	ASTM D7042	◀20	◀20
<b>NOTES:</b>				
1. Contaminant content means all non-hydrocarbon materials excluding Nitrogen and Carbon Dioxide.				
2. No free water at -29°C.				
3. Guideline only.				
The symbol "◀" designates less than and "▶" designates greater than.				