

OVERLAND PASS PIPELINE COMPANY LLC
Demethanized Mix Specifications
October 1, 2008

Specification Point	Test Method (Latest Issue)	Specification
Composition	Gas Chromatography, Extended Analysis	
Carbon Dioxide, Maximum	OPPL Test No. 7, GPA 2177	Note 1
Methane, Maximum	OPPL Test No. 7, GPA 2177	Note 2
Aromatics, Maximum	OPPL Test No. 7A, GPA 2186	10.00 LV%
Olefins, Maximum	OPPL Test No. 7A, GPA 2186	Note 3
Vapor Pressure		
At 100°F psig, Maximum	OPPL Test No. 1, ASTM D-1267	600
Corrosiveness		
Copper Strip at 100°F	OPPL Test No. 9, ASTM D-1838	No. 1
Volatile Sulfur		
PPM by Weight, Maximum	OPPL Test No. 11, ASTM D-2784	1200 ppm
Hydrogen Sulfide	OPPL Test No. 12, ASTM D-2420	Pass
Distillation		
End Point at 14.7 psia, °F, Maximum	OPPL Test No. 8, ASTM D-216	375°F Note 4
Color		
Saybolt Number, Minimum	OPPL Test No. 16, ASTM D-156	+27 Note 4
Dryness		
Free Water	OPPL Test No. 15, Inspection	None @ 34°
Product Temperature		
Product containing 65 mole % or more Ethane, °F, Maximum		90° F
Product containing less than 65 mole % Ethane, °F, Maximum		110° F

Note 1 Carbon Dioxide Maximum is 0.35 L.V.% (8038 ppm_w) of the Ethane.

Note 2 Methane Maximum is 0.5 L.V.% of the total components excluding N₂ and CO₂ and 1.5 L.V.% of the Ethane.

Note 3 Olefin Maximum is 1.0 L.V.% (10,000 ppm_w) of the total stream, C₄ Olefin Maximum is .1 L.V.% (1,000 ppm_w) of the Normal Butane.

Note 4 Distillation and Color to be run on that portion of the mixture having a boiling point of 70°F and above at atmospheric pressure.