



**WILLIAMS MIDSTREAM NATURAL GAS LIQUIDS
SPECIFICATIONS
NATURAL GASOLINE**

SPECIFICATION POINT	TEST METHOD (Note 1)	SPECIFICATIONS
Propane & Lighter (Note 2)	GPA 2177	Maximum 0.20 L.V.% (Note 2)
Butanes	GPA 2177	Maximum 6.00 L.V.%
Vapor Pressure	ASTM D-323 or D-6378 (Note 3)	Maximum 14.0 psia @ 100°F
Distillation, End Point Temperature	ASTM D-86	Maximum 375°F @ 14.7 psia
Corrosion	ASTM D-1838	Maximum Number 1 Copper Strip @ 100°F (Note 4)
Color, Saybolt Number	ASTM D-156	Minimum +25
Total Sulfur	ASTM D-6667, D-5453, D-3120	Maximum 1,000 ppm _w
Doctor Test	GPA 1138	Negative, "Sweet"
Water Content	Visual Inspection	No Free Water
Contaminants	Natural Gasoline shall be commercially free from dirt, rust, scale, sand, dust, gums, and gum-forming substances, oil, catalyst poisons, impurities, and other objectionable substances which may be injurious to the system or which may interfere with its transmission through the system. Product will not contain contaminants such as glycol, inhibitors, amine, oxygen, oxygenates, nitrogen, halides, chlorides, arsine/arsenic, mercury, or any compound added to the product to enhance the ability to meet these specifications. Particulate content shall be less than 20 micron in size.	

Notes:

1. The most current version of the published industry test method will be referenced. Other appropriate industry approved test methods may be substituted if all parties are in agreement.
2. Includes Nitrogen and Oxygen
3. Required if combined Oxygen and Nitrogen exceed 0.02%
4. The use of corrosion masking agents is strictly prohibited