



Mid-Continent Fractionation and Storage
Product Specifications
Propane Truck and Rail Loading

SPECIFICATION POINT	TEST METHOD (Note1)	SPECIFICATIONS
Propane	ASTM D-2163	Minimum 90.00 L.V.%
Propylene	ASTM D-2163	Maximum 5.00 L.V.%
Butanes	ASTM D-2163	Maximum 2.50 L.V.%
Vapor Pressure	ASTM D-1267 or D-6897	Maximum 208 psig @ 100°F
Volatile Residue	ASTM D-1837	Maximum -37°F @ 95% Evaporation
Residual Matter	ASTM D-2158	Maximum 0.05 ml Residue @ 100°F Evaporation Minimum Oil Stain Test = Pass (Note 3)
Corrosion	ASTM D-1838	Maximum Number 1 Copper Strip @ 100°F (Note 2)
Total Sulfur	ASTM D-2784, D-6667, or D-5623	Maximum 123 ppmw
Hydrogen Sulfide	ASTM D-2420 or D-5623	Maximum 2 ppmw (Pass)
Carbonyl Sulfide	ASTM D-5623	Maximum 20 ppmw
Water Content	ASTM D-2713	Minimum 60 Second Freeze Valve
Contaminants	Propane 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. The use of corrosion masking agents is strictly prohibited
3. An acceptable product shall not yield a persistent oil ring when 0.3 ml of solvent residue mixture is added to the filter paper in 0.1 ml increments and examined in daylight after 2 minutes. If Oil Ring is evident after 2 minutes, the test shall be reported as "Fail".