

Schedule "A"

Williams Ethane Specifications - Texas

ETHANE		
COMPONENT	TEST METHODS	SPECIFICATIONS
Methane	ASTM D-2163	3.0 Liq. Vol. % max.
Ethane	ASTM D-2163	95.0 Liq. Vol. % min.
Ethylene	ASTM D-2163	1.0 Liq. Vol. % max.
Propane & Heavier	ASTM D-2163	3.5 Liq. Vol. % max.
Corrosion, Copper Strip	ASTM D-1838	No. 1
Total Sulfur	ASTM D-4045	30 ppm wt. max.
Water Content	VISUAL	No Free Water
Carbon Dioxide	ASTM D-2504	1000 ppm wt. in Liq. Max.

Note:

- (1) Test Methods are latest version. Alternate methods must be mutually agreeable.
- (2) Either Party may request change to the Ethane Specifications above to meet specifications in primary downstream markets but any such changes must be mutually agreed upon by both Parties.
- (3) If conflicting Test Method results exist, Flint Hills and Williams will mutually agree to the Test Method results to be used.
- (4) Flowing conditions must be such that the temperature and pressure of the product when applied to enthalpy curve for Ethane will assure product flow in a liquid phase.
- (5) Contaminants -The specifications define only a basic purity for this product. This product is to be free of any contamination that might render the product unusable for its commonly used applications. Specific contaminants include (but are not limited to) dirt, rust, scale, and all other types of solid contaminants, caustics, chlorides, heavy metals, and oxygenates.