



ENTERPRISE PRODUCTS OPERATING LLC

MID-AMERICA PIPELINE COMPANY and SEMINOLE PIPELINE ISO-BUTANE

COMPONENT	TEST METHODS	SPECIFICATIONS
Iso-Butane	GPA 2163	95.0 Liq. Vol.% min.
Propane & Lighter	GPA 2163	3.0 Liq. Vol.% max.
Normal Butane	GPA 2163	5.0 Liq. Vol.% max.
Vapor Pressure at 100 °F	ASTM D-1267 or ASTM D-6897	56.0 psig min.
Vapor Pressure at 100 °F	ASTM D-1267 or ASTM D-6897	60.0 psig max.
Volatile Residue: Temperature @ 95% evaporation	ASTM D-1837	16 °F max.
Corrosion, Copper Strip at 100 °F	ASTM D-1838	No. 1 (See note 1)
Volatile Sulfur	ASTM D-2784 or ASTM D-5623	93 ppm wt. max.
Hydrogen Sulfide	ASTM D-5623	2 ppm wt. max.
Water Content	VISUAL INSPECTION	No Free Water

NOTES ON TEST METHODS: Method numbers listed above, beginning with the letter “D,” are American Society for Testing and Materials (ASTM), Standard Test Procedures. The most recent year’s revision for the procedures will be used.

CONTAMINANTS: The specifications defines only the basic purity for this product. The 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, caustic, amines, chlorides, heavy metals, oxygenates, inerts and any component added to the product to enhance the ability to meet the specifications.

- The use of corrosion masking agents is strictly prohibited.

Specification Committee

Approval: Gene Flipse
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