



## ENTERPRISE PRODUCTS OPERATING LLC

### MID-AMERICA PIPELINE COMPANY and SEMINOLE PIPELINE NATURAL GASOLINE

COMPONENT	TEST METHODS	SPECIFICATIONS
Propane & Lighter (See note 2)	GPA 2177	0.20 Liq. Vol.% max.
Butanes	GPA 2177	6.0 Liq. Vol.% max.
Vapor Pressure at 100 °F	ASTM D-323 or ASTM D-6378 (See note 3)	14.0 psia max.
Distillation: Endpoint Temperature	ASTM D-86	375 °F max.
Corrosion, Copper Strip at 100 °F (See note 1)	ASTM D-130	No. 1
Color, Saybolt Number	ASTM D-156	+25 min.
Total Sulfur	ASTM D-3120	1,000 ppm wt. max.
Doctor Test	GPA 1138	Negative
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 specification 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.

1. The use of corrosion masking agents is strictly prohibited.
2. Includes Nitrogen and Oxygen.
3. Required if combined Oxygen and Nitrogen exceeds 0.02%.

Specification Committee

Approval: Gene Flipse  
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