BUTANE MIX

COMPONENT OR **CHARACTERISTIC**	**ALLOWABLE**	**TEST METHOD**
Normal Butane	60% liquid volume, typical	ASTM D2163
Isobutane	7% liquid volume, typical	ASTM D2163
Propane, Propylene & Lighter	0.5% liquid volume, typical	ASTM D2163
Butenes	40% liquid volume, typical	ASTM D2163
Butadiene	1% liquid volume, typical	ASTM D2163
Pentanes & Heavier	0.5% liquid volume, typical	ASTM D2163
Total Sulfur	70 ppm by weight, maximum	ASTM D5504
Vapor Pressure	60 psig, maximum	ASTM D2598
Free Water	None	Visual
Corrosion @ 100 °F	No. 1 Copper Strip, maximum	ASTM D1838
Total Oxygenates	50 ppm by weight, maximum	UOP 845

ISOBUTANE MIX

COMPONENT OR CHARACTERISTIC	ALLOWABLE	TEST METHOD
Isobutane	85% liquid volume, typical	ASTM D2163
Propane, Propylene & Lighter	2% liquid volume, typical	ASTM D2163
Butenes	12% liquid volume, typical	ASTM D2163
Butadiene	1% liquid volume, typical	ASTM D2163
Pentanes & Heavier	0.5% liquid volume, typical	ASTM D2163
Total Sulfur	140 ppm by weight, maximum	ASTM D5504
Vapor Pressure	74 psig, maximum	ASTM D2598
Free Water	None	Visual
Corrosion @ 100 °F	No. 1 Copper Strip, maximum	ASTM D1838

PENTANE PLUS MIX

COMPONENT **OR CHARACTERISTIC**	**ALLOWABLE**	**TEST METHOD**
Pentanes and Heavier	97% liquid volume, typical	ASTM D2163
Butanes and Lighter	3% liquid volume, typical	ASTM D2163
Total Olefins	35% liquid volume, typical	ASTM D5134
Total Sulfur	2000 ppm by weight, typical	ASTM D4294
Vapor Pressure (DVPE)	13.5 PSIA, typical	ASTM D5190
Free Water	None	Visual
Corrosion @ 100 °F	No. 1 Copper Strip, maximum	ASTM D1838
DISTILLATION:		
Temperature @		
25% Evaporation	140 °F, Maximum	ASTM D86
90% Evaporation	275 °F, Maximum	ASTM D86
End Point	375 °F, Maximum	ASTM D86