

UniSource Energy, Inc.			
Specialty Petroleum Product			
Specifications and Typical Inspections			
Supplier Name			UNISOURCE
Product Name			UNIPAR®
			100 HF
Test Description	ASTM NO.		
Specific Gravity @ 60°F	D 4052		0.8567
Gravity, API @ 60°F			33.7
Density (Lb/Gal) @ 60°F			7.14
Appearance	Visual		B & C
Color	D 1500		L 0.5
Viscosity, SSU @ 100°F	D 445		108.6
Viscosity, SSU @ 210°F			40.3
Viscosity, cSt @ 40°C			20.67
Viscosity, cSt @ 100°C			4.17
Viscosity Index	D 2270		103
Pour Point, °C (°F)	D 5950		-13 (+8)
Flash Point, °C (°F)	D 92		205 (401)
Fire Point, °C (°F)			235 (455)
Sulfur, wt. %	HPLC/UV		99 min.
Sulfur, ppm	D 5453		1
Water, ppm	D 6304		25
Chemical Abstract #			64742-54-7
			Dec-06

The values shown here are representative of current production.
Some are controlled by manufacturing specifications, while others are not.
All may vary within modest ranges.