

UniSource Energy, Inc.			
Specialty Petroleum Product			
Specifications and Typical Inspections			
Supplier Name			UNISOURCE
Product Name			UNINAP®
			100 BSD
Test Description	ASTM NO.		
Specific Gravity @ 60/60F	D 1298		0.915
Gravity, API @ 60F	D 287		23.1
Density (Lb/Gal) @ 60F	D 287		7.62
Color, ASTM	D 1500		L 0.5
Viscosity, SSU @ 100F	D 88		
Viscosity, SSU @ 210F	D 88		
Viscosity, cSt @ 40C	D 445		21.02
Viscosity, cSt @ 100C	D 445		3.5
Viscosity Gravity Constant	D 2501		0.878
Aniline point, F (°C)	D 611		160 (71)
Refractive Index @ 20C	D 1747		1.4972
Flash Point, COC, F (°C)	D 92		340 (171)
Pour Point, F (°C)	D 97		-49 (-45)
Chemical Composition, Vol. %			
Clay Gel Analysis	D 2007		
Saturates			50.2
Aromatics			48.1
Polar Compounds			1.7
Asphaltenes			ND
Sulfur, Wt. %	D 3120		0.01
Chemical Abstract #			64742-52-5
Meets FDA Requirement #			178.3620 C
			Aug-04

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.