

UniSource Energy, Inc.			
Specialty Petroleum Product			
Specifications and Typical Inspections			
Supplier Name			UNISOURCE
Product Name			UNINAP®
			108 AC
Test Description	ASTM NO.		
Specific Gravity @ 60°F	D 1298		0.911
Gravity, API @ 60°F	D 287		23.8
Density (Lb/Gal) @ 60°F	D 287		7.58
Color, ASTM	D 1500		L 1.0
Viscosity, SSU @ 100°F	D 88		109
Viscosity, SSU @ 210°F	D 88		38.4
Viscosity, cSt @ 40°C	D 445		20.55
Viscosity, cSt @ 100°C	D 445		3.6
Viscosity Index	D 2270		7
Viscosity Gravity Constant	D 2501		0.874
Aniline point, F (°C)	D 611		164 (73.1)
Neut. No., MG KOH/G	D974		0.014
Refractive Index @ 20°C	D 1747		1.4962
Flash Point, COC, F (°C)	D 92		320 (160)
Pour Point, F (°C)	D 97		-51 (-46)
Chemical Composition, Vol. %			
Clay Gel Analysis	D 2007		
Saturates			51.8
Aromatics			47.8
Polar Compounds			0.4
Asphaltenes			0
Sulfur, Wt. %	D 3120		0.04
Chemical Abstract #			64742-52-5
			Oct-07

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.