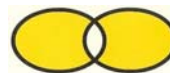


UniSource Energy, Inc.
Specialty Naphthenic Oil
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNINAP® 2000 YN

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 4052	0.951
Gravity, °API @ 60°F		17.2
Density (Lb/Gal) @ 60°F		7.9
Color, ASTM	D 1500	L 2.0
Viscosity, SSU @ 100°F	D 2161	2560
Viscosity, SSU @ 210°F	D 2161	78
Viscosity, cSt @ 40°C	D 445	451
Viscosity, cSt @ 100°C	D 445	14.5
Viscosity Gravity Constant	D 2501	0.889
Aniline point, °F (°C)	D 611	163 (73)
Refractive Index @ 20°C	D 1747	1.519
Flash Point, PMCC, °F (°C)	D 93	433 (223)
Pour Point, °F (°C)	D 97	22 (-5)
Chemical Composition, Vol. %		
Clay Gel Analysis	D 2007	
Saturates		56.8
Aromatics		43
Polar Compounds		0.2
Asphaltenes		0
Sulfur, Wt.%	D 2622	0.02

Chemical Abstract #	64742-52-5
Meets FDA Requirement #	178.3620 C
	Mar-08

*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.*