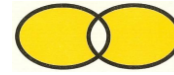


UNISOURCE-ENERGY, LLC
Specialty Naphthenic Oil
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNINAP® 2200 AV

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 4052	0.953
Gravity, °API @ 60°F		17.2
Density (Lb/Gal) @ 60°F		7.93
Color, ASTM	D 1500	L 0.5
Viscosity, SSU @ 100°F	D 2161	2038
Viscosity, SSU @ 210°F	D 2161	72.5
Viscosity, cSt @ 40°C	D 445	362
Viscosity, cSt @ 100°C	D 445	13.11
Viscosity Gravity Constant	D 2501	0.894
Aniline point, °F (°C)	D 611	160.3 (71)
Refractive Index @ 20°C	D 1747	1.5181
Flash Point, PMCC, °F (°C)	D 93	417 (214)
Pour Point, °F (°C)	D 7346	<30
Chemical Composition, Vol. %		
Clay Gel Analysis	D 2007	
Saturates		56.8
Aromatics		43
Polar Compounds		0.2
Asphaltenes		0
Sulfur, Wt.%	D 2622	0.01
Chemical Abstract #		64742-52-5
Meets FDA Requirement #		178.3620 C
		Mar-14

*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.*