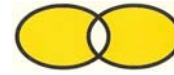


UniSource Energy, Inc.  
Specialty Naphthenic Oil  
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNINAP® 7000 YN

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 1298	0.957
Gravity, °API @ 60°F	D 287	16.5
Density (Lb/Gal) @ 60°F	D 287	8.0
Color, ASTM	D 1500	1.5
Viscosity, SSU @ 100°F	D 88	6725
Viscosity, SSU @ 210°F	D 88	113
Viscosity, cSt @ 40°C	D 445	1150
Viscosity, cSt @ 100°C	D 445	22.4
Viscosity Gravity Constant	D 2501	0.887
Aniline point, °F (°C)	D 611	170 (76.7)
Refractive Index @ 20°C	D 1747	1.523
Flash Point, PMCC, °F (°C)	D 93	448 (231)
Pour Point, °F (°C)	D 97	37 (3)
Chemical Composition, Vol. %		
Clay Gel Analysis	D 2007	
Saturates		55
Aromatics		45
Polar Compounds		1
Asphaltenes		Nil
DMSO Extraction, %	IP-346	< 3.0
Sulfur, Wt.%	D 3120	0.02

Chemical Abstract #	64742-52-5
Meets FDA Requirement #	178.3620 C
	Mar-05

*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.*