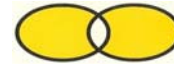


UniSource Energy, Inc.
Specialty Paraffinic Oil
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNIPAR® 165 AV

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 1298	0.8745
Gravity, °API @ 60°F	D 287	30.3
Density (Lb/Gal) @ 60°F	D 287	7.29
Appearance	Visual	B&C
Color, ASTM	D 1500	L0.5
Viscosity, SSU @ 100°F	D 88	157
Viscosity, SSU @ 210°F	D 88	
Viscosity, cSt @ 40°C	D 445	33.3
Viscosity, cSt @ 100°C	D 445	5.4
Viscosity Index	D 2270	98
GC Distillation, % Off @ 700°F	D 2887E	7.6
Aniline point, °F (°C)	D 611	204 (96)
Pour Point, °F (°C)	D 97	19 (-7)
Flash Point, COC, °F (°C)	D 92	425 (218)
Chemical Composition, Vol. %		
Clay Gel Analysis	D 2007	
Saturates		67.5
Aromatics		32.3
Polar Compounds		0.2
Asphaltenes		<0.1
Sulfur, Wt.%	D 3120	0.37

Chemical Abstract # 64741-88-4
Aug-03

*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.*