

## HyPrene P150BS

### Paraffinic Process Oil Marketing Specification

This severely hydrotreated paraffinic process oil provides excellent color and consistency.

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL VALUES
		MIN	MAX	
<b>Physical Properties</b>				
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161			2471.6
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161	145.0	155.0	148.1
Viscosity, cSt at 40°C (104°F)	ASTM D445			460.7
Viscosity, cSt at 100°C (212°F)	ASTM D445	29.0	32.0	30.2
API Gravity, 60°F (15.6°C)	ASTM D1250			26.8
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.8940
Viscosity-Gravity Constant	ASTM D2501			0.800
Density, lbs/gal at 60°F	ASTM D1250			7.454
Molecular Weight	ASTM D2502			731
Flash Point, COC, °F (°C)	ASTM D92	560 (293)		586 (308)
Color, ASTM	ASTM D6045		4.5	L3.5
Pour Point, °F (°C)	ASTM D5949		20 (-7)	18 (-8)
Volatility, wt%, 225°F (Evap. Loss)	ASTM D972			0.01
Water Content	ASTM D7546M		PASS	PASS
Appearance	ASTM D4176M		PASS	PASS
<b>Chemical Properties</b>				
Conradson Carbon Residue, wt%	ASTM D4530			0.4
Acid Number, mg KOH/g	ASTM D664			0.00
Aniline Point, °F (°C)	ASTM D611	255 (123.9)	270 (132.2)	262 (128)
Sulfur, ppm	ASTM D4294		500	168
Refractive Index, 20°C (68°F)	ASTM D1218			1.4922
UV Absorptivity at 260 nm	ASTM D2008			1.98
Clay-Gel, wt%	ASTM D2007			
Asphaltenes				<0.1
Polar Compounds				1.5
Aromatics				18.6
Saturates		75.0		80.0
Carbon Type Analysis, %	ASTM D2140			
Ca				5
Cn				25
Cp				71
<b>Health and Safety Properties</b>				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1
FDA Regulation	21 CFR 178.3620 (C)		PASS	PASS