

BOER P150BS

Paraffinic Base Oil

This severely hydrotreated paraffinic base oil provides excellent color stability and consistency. It passes the IP 346 labeling requirement.

TEST DESCRIPTION		TEST METHOD	SPECIFICATIONS		MARKETING VALUES
			Min	Max	
Physical Properties					
1	Viscosity, SUS at 100°F(37.8°C)	ASTM D 445			2527
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445	145.0	155.0	151.1
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			471
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			30.8
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			26.8
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.8939
7	Viscosity Index	ASTM D 2270	92		95
8	Viscosity- Gravity Constant	ASTM D 2501			0.8004
9	Density, lbs/gal at 60°F	ASTM D 1250			7.450
10	Molecular Weight	ASTM D 2502			676
11	Flash Point, COC, °F(°C)	ASTM D 92	560(293)		575(301)
12	Color, ASTM	ASTM D 6045		4.5	13.5
13	Pour Point, °F(°C)	ASTM D 5949		20(-7)	10(-13)
14	Cloud Point, °F(°C)	ASTM D 5773		28(-2)	24(-4)
15	Noack Volatility, wt%	ASTM D 5800			1.1
16	Water Content	WTP-OP-001	PASS		PASS
17	Appearance	WTP-OP-020	PASS		PASS
Chemical Properties					
1	Conradson Carbon Residue, wt%	ASTM D 4530		1.0	0.4
2	Acid Number, mg KOH/g	ASTM D 664			0.02
3	Aniline Point, °F(°C)	ASTM D 611	255.0(123.9)	270.0(132.2)	262.6(128.1)
4	Sulfur, wt%	ASTM D 4294		0.050	0.0064
5	Sulfur, ppm	ASTM D 4294		500	64
6	Clay-Gel, wt%	ASTM D 2007			
7	Saturates		75.0		79.5
Health and Safety Properties					
1	Polycyclic Aromatic Compounds, wt%	IP 346		3	< 3
2	Modified Ames Assay	ASTM E 1687	PASS		PASS
3	FDA Regulation	21 CFR 178.3620 (C)	PASS		PASS

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