

# BOER P300N

## 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		
<b>Physical Properties</b>					
1	Viscosity, SUS at 100°F(37.8°C)	ASTM D 445	300	330	313
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			54.1
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			60.7
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			8.3
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			32.4
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.8634
7	Viscosity Index	ASTM D 2270	95		104
8	Viscosity- Gravity Constant	ASTM D 2501			0.7945
9	Density, lbs/gal at 60°F	ASTM D 1250			7.191
10	Molecular Weight	ASTM D 2502			511
11	Flash Point, COC, °F(°C)	ASTM D 92	450(232)		495(253)
12	Color, ASTM	ASTM D 6045		2.0	L1.0
13	Pour Point, °F(°C)	ASTM D 5949		10(-12)	0(-18)
14	Cloud Point, °F(°C)	ASTM D 5773			4(-16)
15	Noack Volatility, wt%	ASTM D 5800			2.86
16	Water Content	WTP-OP-001	PASS		PASS
17	Appearance	WTP-OP-020	PASS		PASS
<b>Chemical Properties</b>					
1	Acid Number, mg KOH/g	ASTM D 664			0.02
2	Aniline Point, °F(°C)	ASTM D 611	235.0(112.8)	255.0(123.9)	248.1(120.0)
3	Sulfur, wt%	ASTM D 4294			0.0005
4	Sulfur, ppm	ASTM D 4294			5
5	Clay-Gel, wt%	ASTM D 2007			
6	Saturates				94.3
<b>Health and Safety Properties</b>					
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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