

Specification Sheet

HBX-3000™

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Test Specifications:

Parameter	Units	Limits		Test Method
		Minimum	Maximum	
Flash point (closed cup)	°C	130	-	ASTM D93
Kinematic viscosity @ 40°C	mm ² /s	1.9	6.0	ASTM D445
Water and sediment	% volume	-	0.050	ASTM D2709
Cold Soak Filtration	Time (Sec)	Summer	360	ASTM D7501
		Winter	200	
Karl Fischer Moisture	% volume	-	0.05	ASTM D6304
Sulfated ash	% mass	-	0.020	ASTM D874
Sulfur	ppm (µg/g)	-	15	ASTM D5453/D7039
Copper strip corrosion	-	-	3	ASTM D130
Cetane number	-	47	-	ASTM D613
Cloud point	°C	-	9	ASTM D2500
Carbon residue	% mass	-	0.050	ASTM D4530
Acid number	mg KOH/g	-	0.50	ASTM D664
Free glycerin	% mass	-	0.020	ASTM D6584
Monoglycerides	% mass	-	0.800	ASTM D6584
Total glycerin	% mass	-	0.240	ASTM D6584
Phosphorus content	ppm (µg/g)	-	10	ASTM D4951
Distillation temperature Atmospheric equivalent temperature - 90 % recovered distillate	°C	-	360	ASTM D1160
Sodium and Potassium, combined	ppm (µg/g)	-	5	EN 14538
Calcium and Magnesium, combined	ppm (µg/g)	-	5	EN 14538
Oxidation Stability	Hours	3	-	EN14112
Specific Gravity @ 60°F	-	0.880	0.900	EN ISO 3675 EN ISO 12185
Visual Inspection	-	-	Clear Bright 2	ASTM D4176 Procedure 2

**All parameters are to be reported on COA.*

Revised By: HNK
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