

		ASTM D6751-06B Specification	Our Specification	Our Specification Benefits
Free Glycerin, mass %	max	0.020%	< 0.020%	Fewer unconverted glycerides reduces particulate emissions and engine deposits.
Total Glycerin, mass%	max	0.240%	0.050%	
Flash Point, Deg. C	min	130 C	> 130 C	High purity biodiesel has a higher flash point.
Water and Sediment, vol %	max	0.05%	0.01%	Water and sediment promote biological growth and filter plugging.
Kinematic Viscosity, cSt @ 40 deg C		1.9-6.0	3.9 - 4.5	High purity biodiesel has a tight viscosity range.
Sulfated Ash, mass %	max	0.020%	0.005%	Low sulfur biodiesel reduces sulfated ash formation, particulate emissions.
Total Sulphur, mass %	max	S15/0.0015 S500/0.05	< 0.0015%	Low sulfur content, meets S15 designation, same as ULSD.
Copper Corrossion	max	No. 3	No. 1a	High purity biodiesel has a very low corrosivity.
Cetane Number	min	47.0	> 47.0	Dependent on feedstock and additive treatments.
Cloud Point, Deg C		report	report	Dependent on feedstock and additive treatments.
Carbon Residue, mass %	max	0.050%	0.020%	High purity biodiesel burns more completely, reduces particulate emissions.
Acid Number, mg KOH/g	max	0.500	< 0.50	Low acid number increases long term storage stability.
Phosphorous, mass %	max	0.0010%	0.0005%	Low phosphorous concentrations reduce particulate emissions and engine deposits.
Distillation 90% Recovery	max	360 C	> 360 C	Aldulteration of the fuel with high boiling components affects engine performance.
Oxidation stability	min	3 hours	> 3	Oxidative degradation presents a concern during storage and can clog fuel lines and engine deposits.
Na+ and K+, mass %	max	0.0005%	0.0001%	Low metals concentrations reduces particulate emissions and injector fouling.
Ca2+ and Mg2+, mass%	max	0.0005%	0.0001%	Low metals concentrations reduces particulate emissions and injector fouling.