



Piedmont Biofuels Testing Master List

Biodiesel Testing

<u>Property</u>	<u>Method</u>	<u>Units</u>	<u>Limits</u>	<u>Actual</u>	<u>Price</u>
Free Glycerin	D - 6584	Mass %	0.02 max.		
Total Glycerin	D - 6584	Mass %	0.24 max.		\$ 150.00
Moisture (Karl Fisher)	D - 6304	PPM	Report		\$ 40.00
Water & Sediment	D - 2709	Volume %	0.05 max.		\$ 25.00
Acid Number	D - 664	mg KOH/g	0.50 max.		\$ 40.00
Cloud Point	D - 2500	Degrees C	Report		\$ 25.00
Soap Content	Cc -17-95	PPM	Report		\$ 40.00
Flash Point	D - 93	Degrees C	130 min.		\$ 40.00
Corrosiveness to Copper	D - 130	ASTM Standard	No. 3 max		\$ 40.00
Sulfated Ash	D - 874	Mass %	0.02 max.		\$ 35.00
Visual Appearance	D - 4176	Visual App.	Pass/Fail		\$ 10.00
Kinematic Viscosity 40C	D - 445	mm2/s	1.9 - 6.0		\$ 25.00
Carbon Residue 100% sample	D - 4530	Mass %	0.050 max.		\$ 70.00
Phosphorus Content	D - 4951	Mass %	0.001 max.		\$ 50.00
Distillation Temp, AET, 90% Recovered	D - 1160	Degrees C	360 max.		\$ 50.00
Oxidation Stability	EN 14112	Hours	3 min.		\$ 85.00
Calcium/Magnesium & Sodium/Potassium	EN 14538	PPM	5 max.		\$75.00
Cold Soak (Filtration Test)	D-6217	Seconds	360 max.		\$40.00

Feedstock Testing

Microbial Growth	D - 6974	Visual Indication	Report		\$50.00
Acid Number / Free Fatty Acid Content	D - 664	Mass %	Report		\$ 40.00
Moisture (Karl Fisher)	D - 6304	PPM	Report		\$ 40.00
Water & Sediment	D - 2709	Volume %	Report		\$ 25.00
Peroxide Value					\$75.00

Glycerin Testing

Glycerin Content	AOCS Ea 6-94	Vol %	Report		\$ 75.00
Methanol Content	Gas Chromatograph	Vol %	Report		\$ 75.00
Moisture (Karl Fisher)	D - 6304	PPM	Report		\$ 40.00
Ash Content	IUPAC 3A.4	Mass %	Report		\$ 50.00
Density @ 15°C	Analytical Balance	Lbs / gal.	Report		\$ 20.00
Specific Gravity @ 15°C	Analytical Balance	N/A	Report		\$ 10.00
MONG (Material Organic Non-Glycerol)	IUPAC 3.A.6	Volume %	Report		\$ 10.00