



BTS NV
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Profile Code	SAINT-JOHN	Profile ID	5302
Attention Of	Ray Inman		
Company	Saint Johns County Biofuels Dept.		
End User			

Taken	11-Sep-2009	Tested	24-Sep-2009	Sample	17269	Unit ID	SAINT-JOHN-09-15-09
Entered	15-Sep-2009	Reported	24-Sep-2009	Lab Batch	67	Sample Details	
Test Pkg	6751					Fuel Type	BioDiesel Fuel

Sample Note:

Test Name	Test Method	Limit	Result	Status
Free Glycerin (mass %)	ASTM D6584	MAX 0.020	0.002	PASS
Monoglycerides (mass %)	ASTM D6584	N/A	0.033	N/A
Diglycerides (mass %)	ASTM D6584	N/A	0.060	N/A
Triglycerides (mass %)	ASTM D6584	N/A	0.100	N/A
Total Glycerin (mass %)	ASTM D 6584	MAX 0.240	0.195	PASS
Flash Point, Closed Cup (°C)	ASTM D93	MIN 130	121.5	PASS
Methanol Content (wt %)	EN 14110	MAX 0.20	0.022	PASS
Phosphorous (ppm)	ASTM D4951	MAX 10	0	PASS
Calcium + Magnesium (ppm)	EN 14538	MAX 5	CA-0+MG-0=0	PASS
Sodium + Potassium (ppm)	EN 14538	MAX 5	NA-0+K-2=2	PASS
Water & Sediment (vol %)	ASTM D2709	MAX 0.050	0	PASS
Sulfur, by UV (ppm)	ASTM D5453	MAX 15	7.76	PASS
TAN (mg KOH/g)	ASTM D664	MAX 0.50	0.24	PASS
Viscosity @ 40° C (cSt)	ASTM D445	1.9 - 6.0	4.92	PASS
Oxidation Stability by Rancimat (hrs)	EN14112	MIN 3.00	3.18	PASS
Dist. Temp., 90% Recovery (°C)	ASTM D1160	MAX 360	356	PASS
Cetane Number	ASTM D613	MIN 47	56	PASS
Cloud Point (°C)	ASTM D2500	N/A	0	N/A
Cold Soak Filterability, Time (sec)	ASTM D6751 Annex A1	MAX 360	44	PASS
Sulfated Ash (wt %)	ASTM D874	MAX 0.020	<0.005	PASS
Carbon Residue, MicroMethod 100% (wt %)	ASTM D4530	MAX 0.050	< 0.05	PASS
Copper Corrosion, 3h @ 50°C (rating)	ASTM D130	MAX 3A	1a	PASS

* If Flash Point is between 93 °C and 129 °C, Methanol Content (MC) must be tested. MC result must be lower than 0.20 (wt%) to PASS.

CERTIFICATE OF ANALYSIS
Analysis Meets Testing Requirements of ASTM D 6751.