

Biodiesel Certificate of Analysis, ASTM D 6751 - 15c^{e1}

Customer Name: Integrity Biofuels
Customer Address: 780 Industrial Drive
 Morristown, IN 46161
Customer's Sample ID: L030L2080518
Sample Type: B100

Sample ID:
Customer ID:
Received on:
Completed:

080718E
Integrity
8/7/2018
8/9/2018

Test	Method	Result	Unit	ASTM limit	Pass/Fail
Calcium & Magnesium	EN 14538	0.1	ppm	5, max	P
Flash point, closed cup	D 93	153.0	°C	93, min	P
Alcohol Control:					
Option 1: Methanol	EN 14110		mass %	0.2, max	
Option 2: Flash Point	D 93	153.0	°C	130, min	P
Water and Sediment	D 2709	< 0.010	% volume	0.050, max	P
Kinematic Viscosity cSt@40°C	D 445	4.454	mm ² /sec.	1.9-6.0	P
Sulfated Ash	D 874	0.000	% mass	0.020, max	P
Sulfur	D 5453	6.2	ppm	15, max	P
Copper Corrosion at 50°C	D 130	1A	n/a	No. 3, max	P
Cetane Number	D 613*		n/a	47, min	
Cloud Point	D 2500	1	°C	Report	Report
Carbon Residue	D 4530	0.028	% mass	0.050, max	P
Total Acid Number	D 664	0.22	mg KOH/g	0.50, max	P
Cold Soak Filterability	D 7501	142	seconds	360, max**	Report
Free Glycerin	D 6584	0.000	% mass	0.020 max	P
Total Glycerin:	D 6584	0.080	% mass	0.240 max	P
Monoglycerides	D 6584	0.270	% mass	n/a	
Diglycerides	D 6584	0.071	% mass	n/a	
Triglycerides	D 6584	0.000	% mass	n/a	
Phosphorus	D 4951	0.000011	% mass	0.001, max	P
Distillation at 90% rec., ATE	D 1160	353.5	°C	360, max	P
Sodium & Potassium	EN 14538	2.8	ppm	5, max	P
Oxidation Stability	EN 15751	8.1	hours	3, min	P
Other Tests:					
Visual Inspection	D 4176	1	haze	2	P
Notes:					

*Performed by outside laboratory.

**360 max for Grade 2B. 200 max for Grade 1B, with max 0.400 for monoglycerides.

Approval: 

Title: QMR or designee

Date: August 9, 2018