

**Biodiesel Certificate of Analysis, ASTM D 6751 - 15**

<b>Customer Name:</b>	Integrity Biofuels	<b>Sample ID:</b>	033015B
<b>Customer Address:</b>	780 Industrial Drive Morristown, IN 46161	<b>Customer ID:</b>	Integrity
<b>Customer's Sample ID:</b>	I0004L2032715	<b>Received on:</b>	3/30/2015
<b>Sample Type:</b>	B100	<b>Completed:</b>	4/2/2015

Test	Method	Result	Unit	ASTM limit	Pass/Fail
Calcium & Magnesium	EN 14538	0.0	ppm	5, max	P
Flash point, closed cup	D 93	171.0	°C	93, min	P
Alcohol Control:					
Option 1: Methanol	EN 14110		mass %	0.2, max	
Option 2: Flash Point	D 93	171.0	°C	130, min	P
Water and Sediment	D 2709	0.010	% volume	0.050, max	P
Kinematic Viscosity cSt@40°C	D 445	4.485	mm <sup>2</sup> /sec.	1.9-6.0	P
Sulfated Ash	D 874	0.002	% mass	0.020, max	P
Sulfur	D 5453	6.3	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	2	°C	Report	Report
Carbon Residue	D 4530	0.037	% mass	0.050, max	P
Total Acid Number	D 664	0.26	mg KOH/g	0.50, max	P
Cold Soak Filterability	D 7501	133	seconds	360, max**	Report
Free Glycerin	D 6584	0.001	% mass	0.020 max	P
Total Glycerin:	D 6584	0.107	% mass	0.240 max	P
Monoglycerides	D 6584	0.364	% mass	n/a	
Diglycerides	D 6584	0.073	% mass	n/a	
Triglycerides	D 6584	0.000	% mass	n/a	
Phosphorus	D 4951	0.000000	% mass	0.001, max	P
Distillation at 90% rec., ATE	D 1160	354.5	°C	360, max	P
Sodium & Potassium	EN 14538	2.5	ppm	5, max	P
Oxidation Stability	EN 15751	7.4	hours	3, min	P
<b>Other Tests:</b>					
Visual Inspection	D 4176	1	haze	2	P
<b>Notes:</b>					

\*Performed by outside laboratory.

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

**PARTIAL COA**

**Approval:**  **Title:** QMR or designee

**Date:** April 2, 2015