

QTA System: Biodiesel Capabilities



The Chemical Company

	Referee Method	Range	Reproducibility		Referee Method	Range	Reproducibility
B100				B100 (EN)			
Acid Number, mg KOH/g	ASTM D664	0.05- 4.3	0.18	CFPP, deg C	ASTM D6371	-14- 12	1.96
Cloud point, deg C	ASTM D2500	-6.5- 18	2.35	Density, Kg/m3	ASTM D4052/	873- 891	1.96
Free Glycerin, %	ASTM D6584	0- 0.3	0.01	Ester, %	EN14103	83- 99.9	1.76
Total Glycerin, %	ASTM D6584	0- 0.6	0.06	Iodine Value	AOCS Cd 1b-87	46- 152	2.35
Methanol, %	EN141110	0- 3.2	0.06	Viscosity, mm2/s	ASTM D445	3.8- 5.2	0.20
Moisture, %	ASTM D6304	0- 0.15	0.02	Glycerin			
Monoglycerides, %	ASTM D6584	0- 0.9	0.18	Ash, %	AOCS Ea 2-38	0- 15	0.39
Diglycerides, %	ASTM D6584	0- 0.6	0.12	Glycerin, %	AOCS Ea 6-94	2.3- 99.9	1.76
Triglycerides, %	ASTM D6584	0- 1.2	0.24	Methanol, %	GC/FID	0- 55	0.06
Oxidation Stability, Hr	EN 14112	0.5- 12	2.94	Moisture, %	AOCS Ea 8-58	0.26- 25	0.78
In-Process Biodiesel				Incoming Oil			
Monoglycerides, %	ASTM D6584	0- 3	0.14	Free Fatty Acids, %	AOCS Ca 5a-40	0.02- 14.3	0.43
Diglycerides, %	ASTM D6584	0- 5	0.12	Moisture, %	KF Moisture	0.02- 1	0.08
Triglycerides, %	ASTM D6584	0- 9.9	0.22	Methanol			
				Moisture, %	KF Moisture	0- 100	0.16

*Included in D6751 as an alternate test method.

Ranges and Standard Errors are current to today's printing and are modified periodically.

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