

T-OIL BULGARIA LTD

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Typical Chemical Characteristics

Biodiesel – B100

General Information:

General Product Name: Biodiesel B100
Product description: Methyl Ester from vegetable oil
Antioxidant: Ethanox
Cold flow improver: Keroflux

Physical and Chemical Properties:

Characteristics	Method	Value	Result
FAME content	EN 14103	%(m/m)	97.0 – 98.0
Density at 15 °C	EN ISO 12185	kg/lt	0.883 – 0.885
Flash Point	EN ISO 3679	°C	> 120
Water content	EN ISO 12937	ppm	300 - 400
Cetane number	EN ISO 5165	-	>51.0
Oxidation stability, 110 °C	EN 14112	hr	>8.0
Iodine value	EN 14103	gr iodine/100 gr	105 - 115
Linolenic acid Methyl esters	EN 14103	%(m/m)	<0.8
Monoglyceride content	EN 14105	%(m/m)	<0.50
Diglyceride content	EN 14105	%(m/m)	<0.20
Triglyceride content	EN 14105	%(m/m)	<0.10
Free glycerol	EN 14105	%(m/m)	<0.02
Total glycerol	EN 14105	%(m/m)	<0.20
Methanol content	EN 14110	%	<0.10
Metals I (Na + K)	EN 14538	mg/kg	<5.0
Metals II (Ca + Mg)	EN 14538	mg/kg	<2.0
Phosphorous content	EN 14107	mg/kg	<1.0
CFPP	EN 116	°C	<-5
Cloud point	EN 23015	°C	<0