



Z Energy Ltd

Technical Data Sheet

Z Biodiesel B100

Description

Z Energy Biodiesel B100 is a high quality product manufactured at our Plant in Auckland that will conform to the New Zealand Engine Fuel Specifications Regulations for Biodiesel. The B100 is manufactured from tallow and is a high purity Tallow Methyl Ester.

In addition the biodiesel meets the requirements detailed in the European biodiesel specification EN14214.

It is manufactured to comply with the stringent oxidation stability and purity required in the above specifications. Biodiesel has very good lubricity properties. The biodiesel manufactured by Z can have life cycle greenhouse gas reductions of up to 75% compared with mineral diesel.

Health & Safety

Z Energy Biodiesel is not classified as a Hazardous Substances under HSNO or the New Zealand Transport Regulations.

Avoid contact with the skin and eyes, and breathing vapours or mists.

For further guidance on product health and safety refer to the appropriate Z Energy Safety Data Sheet.

Typical Physical Characteristics

Description	Units	Methods	Typical
Density @ 15°C	kg/L	D1298/D4052	0.87
Viscosity @ 40°C	mm ² /s	D445	4.8
Ester content	%m	EN14103	>97
Flash Point	°C	D93	>100
Sulphur	mg/kg	D2622/D5453	5
Cetane Number	-	D614	>58
Water	mg/kg	D6304	<250
Oxidation stability	Hrs	EN14112	>11
Total contamination	mg/L	IP440	15
Filterability Test	% mass	D2068	1.02
Total Acid Number	mg KOH/g	D664	0.3
Copper Corrosion	-	D130	1a

These characteristics are typical of current production. While future production will conform to Z Energy and legislated specifications, variations in these characteristics may occur.