

Product Data Sheet

RME Biodiesel B100

Meets the minimum requirements according to EN 14214 and sustainability criteria in accordance with Swedish legislation and EU-RED. Biodegradable.

Properties	Unit	Test method	EN 14 214	Biofuel Express specification		Exceeds OEMs requirements			
				min	max	Volvo EURO IV/V	Volvo EURO VI	Scania EURO VI	MAN EURO VI
Ester content	% (m/m)	EN 14103	≥ 96.5	98		≥ 98	≥ 98	EN14214	EN14214
Monoglyceride content	% (m/m)	EN 14105	≤ 0.80		0.3	≤ 0.3	≤ 0.3	EN14214	EN14214
Water content	mg/kg	EN ISO 12937	≤ 500	50	300	≤ 200	≤ 200	EN14214	EN14214
Total impurity	mg/kg	EN 12662	≤ 24		10	≤ 10	≤ 10	EN14214	EN14214
Sulfur content	mg/kg	EN ISO 20846 / EN ISO 20884	≤ 10.0		5.0	≤ 10.0	≤ 5.0	EN14214	EN14214
Group I metals (Na + K)	mg/kg	EN 14108 / EN 14109	≤ 5.0		1.0	≤ 2.5	≤ 1.0	sum ≤ 4.0	sum ≤ 5.0
Group II metals (Ca + Mg)		EN 15538			0.5	≤ 2.5	≤ 1.0		
Phosphorus content	mg/kg	EN 14107	≤ 4.0		1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Linoleic acid methyl ester	% (m/m)	EN 14103	≤ 12.0		12				≤ 28
Density at 15 °C	kg/m ³	EN ISO 3675 / EN ISO 12185	860 - 900	883					
Viscosity at 40 °C	mm ² /s	EN ISO 3104	3.5 - 5.0	3.5	5.0				
Flash point	°C	EN ISO 3679 / EN ISO3679	≥101	101					
Cloud point	°C								
CFPP		EN 116	max. -20		-20				
Carbon residue	% (m/m)	EN ISO 10370	≤ 0.3		0.3				
Cetane number		EN ISO 5165	≥ 51.0	52	-				
Sulfated ash content	% (m/m)	ISO 3987	≤ 0.02		0.02				
Copper strip corrosion (3 hours at 50°C)	Valuation	EN ISO 2160	Class 1		1				
Oxidation stability, 110°C	Hours	EN 15751 / EN 14112	≥6	8					
Acid value	mg KOH/g	EN 14104	≤ 0.50		0,5				
Iodine value	g jod/100g	EN 14111	≤ 120		120				
Polyunsaturated (≥ 4 double bonds) methyl esters	% (m/m)	EN 15779	≤ 1		1				
Methanol content	% (m/m)	EN 14110	≤ 0.20		0.2				
Diglyceride content	% (m/m)	EN 14105	≤ 0.20		0.2				
Triglyceride content	% (m/m)	EN 14105	≤ 0.20		0.2				
Total glycerin	% (m/m)	EN 14105	≤ 0.25	0.1					
Net calorific value, measured	MJ/kg				38				

Last updated: 01/08/2023