BIOFUEL EXPRESS

Produktdatablad

# 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/m3 | EN ISO 3675 / EN ISO 12185 | 860 - 900 | 883 | | | | | |
| Viscosity at 40 °C | mm2/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