



CREMERENERGY GMBH

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NEXSOL BIODIESEL SPECIFICATION DIN EN 14214

| PROPERTY | UNITS | LOWER LIMIT | UPPER LIMIT | TEST-METHOD |
|--|--------------------|-------------|-------------|------------------------------------|
| Ester content | % (m/m) | 96,5 | - | pr EN 14103d |
| Density at 15°C | kg/m ₃ | 860 | 900 | EN ISO 3675EN OR ISO 12185 |
| Viscosity at 40°C | mm ² /s | 3,5 | 5,0 | EN ISO 3104 |
| Flash Point | °C | > 101 | - | ISO / CD 3679e |
| Sulfur content | mg/kg | - | 10 | - |
| Tar remnant (at 10% distillation remnant) | % (m/m) | - | 0,3 | EN ISO 10370 |
| Cetane number | - | 51,0 | - | EN ISO 5165 |
| Sulphated ash content | % (m/m) | - | 0,02 | ISO 3987 |
| Water content | mg/kg | - | 500 | EN ISO 12937 |
| Total contamination | mg/kg | - | 24 | EN 12662 |
| Copper band corrosion (3 hours at 50 °C) | rating | Class 1 | Class 1 | EN ISO 2160 |
| Thermal stability | - | - | - | - |
| Oxidation stability, 110°C | hours | 6 | - | pr EN 14112k |
| Acid value | mg KOH/g | - | 0,5 | pr EN 14104 |
| Iodine value | - | - | 120 | pr EN 14111 |
| Linolic Acid Methyleneester | % (m/m) | - | 12 | pr EN 14103d |
| Polyunsaturated (>= 4 Double bonds) Methyleneester | % (m/m) | - | 1 | - |
| Methanol content | % (m/m) | - | 0,2 | pr EN 14110l |
| Monoglyceride content | % (m/m) | - | 0,8 | pr EN 14105m |
| Diglyceride content | % (m/m) | - | 0,2 | pr EN 14105m |
| Triglyceride content | % (m/m) | - | 0,2 | pr EN 14105m |
| Free Glycerine | % (m/m) | - | 0,02 | pr EN 14105m OR pr EN 14106 |
| Total Glycerine | % (m/m) | - | 0,25 | pr EN 14105m |
| Alkali Metals (Na+K) | mg/kg | - | 5 | pr EN 14108 OR pr EN 14109 |
| Phosphorus content | mg/kg | - | 10 | pr EN14107p |