

# Properties of Bio Diesel

| European Standard                        |                    |             |             |                    |
|------------------------------------------|--------------------|-------------|-------------|--------------------|
| Property                                 | Units              | Lower limit | Upper limit | Test-Method        |
| Ester content                            | % (m/m)            | 96.5        | -           | EN 14103           |
| Density at 15°C                          | kg/m <sup>3</sup>  | 860         | 900         | EN ISO 3675        |
| Viscosity at 40°C                        | mm <sup>2</sup> /s | 3.5         | 5           | EN ISO 3104        |
| <b>Flash point</b>                       | <b>°C</b>          | <b>101</b>  | -           | <b>EN ISO 2719</b> |
| Sulfur content                           | mg/kg              | -           | 10          | EN ISO 20846       |
| Cetane number                            | -                  | 51          | -           | EN ISO 5165        |
| Water content                            | mg/kg              | -           | 500         | EN ISO 12937       |
| Copper band corrosion (3 hours at 50 °C) | rating             | Class 1     | Class 1     | EN ISO 2160        |
| Oxidation stability, 110°C               | hours              | 8           | -           | EN 14112           |
| Acid value                               | mg KOH/g           | -           | 0.5         | EN 14104           |
| Iodine value                             | -                  | -           | 120         | EN 14111           |
| Free Glycerin                            | % (m/m)            | -           | 0.02        | EN 14105           |
| Total Glycerin                           | % (m/m)            | -           | 0.25        | EN 14105           |

VALUE FOR NATURE

Toll Free Number: 1800 3000 5901

