



**GENERAL SPECIFICATIONS  
ULTRA LOW SULPHUR DIESEL FUEL 10PPM**

| <b>Property</b>   | <b>Unit</b>        | <b>Lower limit</b> | <b>Upper limit</b> | <b>Test Method</b>                      |
|---|--------------------|--------------------|--------------------|---|
| Cetane number   |                    | 51.0               |                    | EN ISO 5165                             |
| Cetane index  |                    | 46.0               |                    | EN ISO 4264                             |
| Density @ 15°C  | kg/m <sup>3</sup>  | 820                | 845                | EN ISO 3675, EN ISO 12185               |
| Viscosity at 40°C   | mm <sup>2</sup> /s | 2.0                | 4.5                | EN ISO 3104                             |
| Sulphur content   | mg/kg              |                    | 10.0               | EN ISO 20846, EN ISO 20847, EN ISO 2088 |
| Flash point   | °C                 | Above 55           |                    | EN ISO 2719                             |
| Carbon residue  | % m/m              |                    | 0.30               | EN ISO 10370                            |
| Ash content   | % m/m              |                    | 0.01               | EN ISO 6245                             |
| Water content   | mg/kg              |                    | 200                | EN ISO 12937                            |
| Total contamination                                       | mg/kg              |                    | 24                 | EN ISO 12662                            |
| Fatty Acid Methyl Ester (FAME) (biodiesel) content        | % v/v              |                    | 7                  | EN 14078                                |
| Ash content   | % m/m              |                    | 0.01               | EN ISO 6245                             |
| Water content   | mg/kg              |                    | 200                | EN ISO 12937                            |
| Total contamination                                       | mg/kg              |                    | 24                 | EN ISO 12662                            |
| Fatty Acid Methyl Ester (FAME) (biodiesel) content        | % v/v              |                    | 7                  | EN 14078                                |
| Polycyclic aromatic hydrocarbons                          | % m/m              |                    | 11 (8)             | EN ISO 12916                            |
| Copper strip corrosion (3 hours at 50°C)                  | index              | Class 1            | Class 1            | EN ISO 2160                             |
| Lubricity, corrected wear scar diameter (wsd 1.4) at 60°C | µm                 |                    | 460                | EN ISO 12156-1                          |
| Oxidation Stability                                       | g/m <sup>3</sup>   |                    | 25                 | EN ISO 12205                            |
| Oxidation Stability                                       | h                  | 20                 |                    | EN 15751                                |
| Distillation recovered at 250 °C, 350 °C                  | % v/v              | 85                 | < 65               | EN ISO 3405                             |
| 95%(V/V) recovered at                                     | °C                 |                    | 360                |   |
| Cold Filter Plugging Point (winter)                       | °C                 |                    | -15                |   |
| Cold Filter Plugging Point (summer)                       | °C                 |                    | -5                 |   |
| Manganese content   | mg/l               |                    | 2.0                | EN 16576                                |
| Filter blocking tendency                                  |                    |                    | 2.52               | IP 387, procedure B                     |