

## Petrol

| Product:                               | Applicable standards:   | Use:   |         |
|--|---|--|---------|
| 99 Octane Super<br>Unleaded Petrol     | BS EN 228:2012 + A1:2017<br>(Table 2 - for E5)                  | In petrol engine vehicles designed to run on unleaded petrol, including those equipped with devices to reduce exhaust gas pollutants |         |
| Sales specification                    | Units   | Minimum  | Maximum |
| Research octane number (RON)           | -   | 99.0   | -       |
| Motor octane number (MON)              | -   | 87.0   | -       |
| Lead content                           | mg/l  | -  | 5.0     |
| Density at 15°C                        | kg/m <sup>3</sup>   | 720.0  | 775.0   |
| Sulphur content                        | mg/kg   | -  | 10.0    |
| Oxidation stability                    | minutes   | 360  | -       |
| Existent Gum (solvent washed)          | mg/100ml  | -  | 5       |
| Copper strip corrosion (3 hrs at 50°C) | rating  | Class 1  | Class 1 |
| Hydrocarbon type content - Olefins     | % (v/v)   | -  | 18.0    |
| Hydrocarbon type content - Aromatics   | % (v/v)   | -  | 35.0    |
| Benzene                                | % (v/v)   | -  | 1.0     |
| Oxygen content                         | % (m/m)   | -  | 2.7     |
| Oxygenates content                     |   |  |         |
| Methanol                               | % (v/v)   | -  | 3.0     |
| Ethanol (including bioethanol)         | % (v/v)   | -  | 5.0     |
| Other oxygenates                       | Volume blending restricted to 2.7% (m/m) maximum oxygen content |  |         |
| Vapour pressure (DVPE)                 |   |  |         |
| Summer (1 June - 31 August)            | kPa   | 45.0   | 70.0    |
| Intermediate (1 Sept - 15 Oct)         | kPa   | 45.0   | 100.0   |
| Winter (16 Oct - 15 April)             | kPa   | 70.0   | 100.0   |
| Intermediate (16 April - 31 May)       | kPa   | 45.0   | 100.0   |
| Vapour Lock Index (10VP + 7E70)        |   |  |         |
| 16 April - 31 May                      | -   | -  | 1250    |
| 1 September - 15 October               | -   | -  | 1250    |
| Distillation characteristics           |   |  |         |
| Evaporated at 70°C E70                 |   |  |         |
| Summer (1 June - 31 August)            | % (v/v)   | 20.0   | 48.0    |
| Intermediate (1 Sept - 15 Oct)         | % (v/v)   | 20.0   | 50.0    |
| Winter (16 Oct - 15 April)             | % (v/v)   | 22.0   | 50.0    |
| Intermediate (16 April - 31 May)       | % (v/v)   | 20.0   | 50.0    |
| Evaporated at 100°C E100               | % (v/v)   | 46.0   | 71.0    |
| Evaporated at 150°C E150               | % (v/v)   | 75.0   | -       |
| Final boiling point                    | °C  | -  | 210     |
| Distillation residue                   | % (v/v)   | -  | 2       |

### Additional Information

1. Appearance should be clear and bright, free from undissolved water, sediment and suspended matter.
2. The Summer and Winter dates specified above apply to petrol at the point of supply to the consumer.
3. Performance additives (detergents, etc.) are added as required at depots.
4. Health, Safety and Environmental information is given on the Material Safety Data Sheet.

**All Greenergy fuels are designed for optimum operating and emissions performance.  
For further information phone 020 7404 7700.**