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|  MOL Plc. DS MOL | MOL_0611_003 Diesel, sulphur free, extra winter grade (arctic) MSZ EN 590 | Modified of version: 2023.06.21 |
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| Version | 4 |
| SAP product number | 11001388 |
| Combined Nomenclature | 27101943 |
| AMEI certificate | ÁMEI 4824-1_2023 |

Quality specification

| Property | Unit | Standard | Requirement |
|--|--------------------|--------------------|-----------------|
| Cetane number | | MSZ EN 16715 | min. 51.0 |
| Cetane Index | | MSZ EN ISO 4264 | min. 46.0 |
| Density at 15 °C | g/cm ³ | MSZ EN ISO 12185 | 0.8200 - 0.8450 |
| Distillation, % (V/V) recovered at 180 °C | %(V/V) | MSZ EN ISO 3405 | max. 10.0 |
| Distillation, % (V/V) recovered at 250 °C | %(V/V) | MSZ EN ISO 3405 | < 65.0 |
| Distillation, % (V/V) recovered at 340 °C | %(V/V) | MSZ EN ISO 3405 | min. 95.0 |
| Distillation, % (V/V) recovered at 350 °C | %(V/V) | MSZ EN ISO 3405 | min. 85.0 |
| 95 % (V/V) recovered at | °C | MSZ EN ISO 3405 | max. 360.0 |
| Manganese content | mg/l | MSZ EN 16576 | max. 2.00 |
| Carbon residue (on 10% distillation residue) | %(m/m) | MSZ EN ISO 10370 | max. 0.30 |
| Ash content | %(m/m) | MSZ EN ISO 6245 | max. 0.010 |
| Flash Point by Pensky-Martens | °C | MSZ EN ISO 2719 | > 55.0 |
| Viscosity at 40 °C | mm ² /s | MSZ EN ISO 3104 | 2.000 - 4.000 |
| CFPP | °C | MSZ EN 116 | max. -35 |
| Cloud Point | °C | MSZ EN ISO 3015 | max. -16 |
| Total contamination | mg/kg | MSZ EN 12662 | max. 24 |
| Oxidation stability | g/m ³ | MSZ EN ISO 12205 | max. 25.0 |
| Oxidation Stability | óra | MSZ EN 15751 | min. 20.0 |
| Copper strip corrosion (3 h at 50°C) | | MSZ EN ISO 2160 | Class 1 |
| Lubricity wear scar diameter at 60°C | µm | MSZ EN ISO 12156-1 | max. 460 |
| Sulphur Content | mg/kg | MSZ EN ISO 20846 | max. 10.0 |
| Polycyclic aromatic hydrocarbons | %(m/m) | MSZ EN 12916 | max. 8.0 |
| Water Content | %(m/m) | MSZ EN ISO 12937 | max. 0.020 |
| FAME content | %(V/V) | MSZ EN 14078 | < 0.5 |
| HVO content | %(V/V) | As per formula | reported |
| Energy content of biofuel | % | Edict | reported |
| Electrical Conductivity at 20°C | pS/m | MSZ ISO 6297 | min. 50 |

Remark :