

EN590 10ppm Diesel (ULSD)

European Standard EN 590 · Ultra-Low Sulphur Diesel

The following parameters correspond to EN 590 automotive diesel with a sulphur content not exceeding 10 mg/kg (10 ppm). Grade-related properties such as CFPP are supplied to the applicable climatic grade.

Property	Unit	Limit / Value
Sulphur content	mg/kg	max 10.0
Cetane number	—	min 51.0
Cetane index	—	min 46.0
Density @ 15°C	kg/m ³	820.0 – 845.0
Kinematic viscosity @ 40°C	mm ² /s	2.000 – 4.500
Flash point	°C	> 55.0
Distillation, 95% (v/v) recovered	°C	max 360.0
Water content	mg/kg	max 200
Total contamination	mg/kg	max 24
Ash content	% m/m	max 0.010
Carbon residue (on 10% dist. residue)	% m/m	max 0.30
Copper strip corrosion (3h @ 50°C)	rating	Class 1
Oxidation stability	g/m ³	max 25
Lubricity, corrected WSD 1.4 @ 60°C	µm	max 460
FAME content	% v/v	max 7.0
Cold Filter Plugging Point (CFPP)	°C	Grade-dependent
Colour	ASTM	report

Notes

- These specifications are indicative of the standard grade. Final quality is confirmed by an independent inspection agency (e.g., SGS) and the Certificate of Quality (COQ) issued at loading.
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