

ULTRA LOW SULFUR DIESEL 10 PPM

Property	Unit	Limits			Test method
		I. ^{a)}	II. ^{a)}	III. ^{a)}	
Cetane number		≥ 51			EN ISO 5165; EN 15195
Cetane index		≥ 46			EN ISO 4264
Density at 15° C	kg/m ³	820 – 845			EN ISO 3675; EN ISO 12185
Polycyclic aromatic hydrocarbons	% (m/m)	≤ 8			IP 391; EN 12916
Sulfur content	mg/kg	≤ 10			EN ISO 20846; EN ISO 20884
Flash point	° C	> 55			EN ISO 2719
Carbon residue (on 10% (V/V) distillation 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 12662
Copper strip corrosion (3 h at 50° C)	rating	Class 1			EN ISO 2160
Oxidation stability	g/m ³	≤ 25			EN ISO 12205
Lubricity, corrected wear scar diameter (wsd 1.4) at 60° C	µm	≤ 460			ISO 12156-1
Viscosity at 40° C	mm ² /s	2.00 – 4.50			EN ISO 3104
Distillation					EN ISO 3405
- % (V/V) recovered at 250° C	% (V/V)	< 65			
- % (V/V) recovered at 350° C	% (V/V)	≥ 85			
- 95% (V/V) recovered at	° C	≤ 360			
Filterability (CFPP)	° C	≤ 0	≤ -10	≤ -20	EN 116
Cloud point	° C	to be reported			EN 23015
Fatty acid methyl ester (FAME) content	% (V/V)	min 4.0 b)			EN 14078
Appearance		Clear, bright and free from solid particles and segregated water			visual inspection
Color		≤ 2			ISO 2049

a) Limits are set for three different periods:

Period I.: Summer season 15.04. - 14.10.

Period II.: Spring season 01.03. - 14.04; Autumn season 15.10.-14.11.

Period III.: Winter season: 01.01. - 28.02., and 15.11. - 31.12.

b) in case Buyer orders B4; otherwise max 0.2.

Note: In case of dispute or different interpretations of results, EN 590 shall be used.