



PRODUCT SPECIFICATIONS

Automotive Diesel Oil (Gasóleo A)

CHARACTERISTICS	UNITS	LIMITS (1)	TEST METHODS (2)		
			EN 590 (3)	UNE STAND. (3)	ASTM STAND. (3)
Cetane number (4)		minimum 51,0	EN ISO 5165 EN 15195	UNE-EN ISO 5165 UNE-EN 15195	D 613
Cetane Index (4)		minimum 46,0	EN ISO 4264	UNE-EN ISO 4264	D 4737
Density at 15°C	kg/m ³	820 to 845 (5)	EN ISO 3675 EN ISO 12185	UNE-EN ISO 3675 UNE-EN ISO 12185	D 4052 D 1298
Polycyclic aromatic hydrocarbons (6)	% m/m	maximum 8	EN 12916	UNE-EN 12916	
Sulphur content	mg/kg	maximum 10	EN ISO 20846 EN ISO 20884	UNE-EN ISO 20846 UNE-EN ISO 20884	
Distillation (7): 65 % V/V collected 85 % V/V collected 95 % V/V collected	°C °C °C	minimum 250 maximum 350 maximum 360	EN ISO 3405	UNE-EN ISO 3405	D 86
Kinematic viscosity at 40°C	mm ² /s	2,00 to 4,50	EN ISO 3104	UNE-EN ISO 3104	D 445
Flash point	°C	higher than 55	EN ISO 2719	UNE-EN ISO 2719	D 93
Cold filter plugging point (POFF): Winter (1 October to 31 March) (8) Summer (1 April to 30 September) (8)	°C °C	maximum -10 maximum 0	EN 116	UNE-EN 116	
Cloud point: Winter (1 October to 31 March) (8) Summer (1 april to 30 september) (8)	°C °C	maximum 0 maximum +6	EN 23015	UNE-EN 23015	D 2500 D 5772
Carbon residue (on 10% distillation residue)	% m/m	maximum 0,30	EN ISO 10370	UNE-EN ISO 10370	D 4530
Lubricity, corrected wear scar diameter (corrected WSD 1.4) at 60°C	µm	maximum 460	EN ISO 12156-1	UNE-EN ISO 12156-1	
Water content	mg/kg	maximum 200	EN ISO 12937	UNE-EN ISO 12937	
Total contamination (Solid particles)	mg/kg	maximum 24	EN 12662	UNE-EN 12662	
Ash content	% m/m	maximum 0,01	EN ISO 6245	UNE-EN ISO 6245	D 482
Corrosion to copper (3h at 50°C)	ASTM scale	maximum 1b	EN ISO 2160	UNE-EN ISO 2160	D 130
Oxidation stability	g/m ³	maximum 25	EN ISO 12205	UNE-EN ISO 12205	D 2274
Oxidation stability (9)	hours	minimum 20	EN 15751	UNE-EN 15751	
FAME Content (10)	% V/V	maximum 7	EN 14078	UNE-EN 14078	
Manganese	mg/l	(11)	EN 16576	UNE-EN 16576	
Colour	ASTM scale	maximum 2			D 1500 D 6045
Transparency and gloss		complies			D 4176

EDITION: 5

DATE: 01/08/2015

SEE NOTES IN THE NEXT PAGE