



Gulf Marine ULSD

Product Information Sheet

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1.1. Productinformatie

Trade name	Gulf Marine ULSD (B0)
Primary use	ULTRA low sulphur fuel for use in diesel engines and other combustion equipment
Product code	2305

1.2. Productbeschrijving

Gulf Marine ULSD is an ultra-low sulphur diesel fuel for diesel engines in (**Sea and Inland**) shipping and combustion equipment, meets the required **European standard EN 590**. **Gulf Marine ULSD** has a sulphur content of **maximal 10 mg/kg (10 PPM)**. By using additional additives **Gulf Marine ULSD** also remains without problems applicable under winter conditions.

Physical Characteristics:	Specifications:	Test methods:
Appearance @ 20 °C	Clear and Bright	Visual inspection
Solvent Yellow 124	Min 6,0 – Max 9,0 mg/l	HPCL
Colour	Red	Visual inspection
Density at 15°C	820.0 - 845.0 kg/m ³	EN ISO 3675 / 12185
Viscosity at 40°C	2.00 - 4.50 mm ² /s	EN ISO 3104
Cetane index	Min. 46.0	EN ISO 4264
Sulphur content	Max. 10.0 mg/kg	EN ISO 20884 / 20846
Cetane number	Min. 51.0	EN ISO 5165 / EN 15195 / 16144
Lubricity	Max. 460 µm	EN ISO 12156-1
Flash point	Min 60°C	EN ISO 2719
Content of Fatty Acid Methyl Esters (FAME)*	Max. 0,5 % (v/v)	EN 14078
Cloud Point: Summer (April - September) Intermediate (March / October / November) Winter (November - February)	Max. +4°C Max. 0°C Max. -5°C	EN 23015
CFPP: Class B – April - September Class C – March / October / November Class F – December - February	Max. 0°C Max. -10°C Max. -20°C	EN 116 / 16329
Carbon residue (on 10% distillation residue)	Max. 0.30 % m/m	EN ISO 10370
Ash content	Max. 0.01 % m/m	EN ISO 6245
Copper strip corrosion (3h at 50°C)	Class 1	EN ISO 2160
Water content	Max. 200 mg/kg	EN ISO 12937
Total contamination	Max. 24 mg/kg	EN 12662

* Gulf strives for a nil FAME content. Due to logistic reasons a certain amount of FAME cannot be avoided.