

# FEOSO PRODUCTS SPECIFICATIONS (ISO 8217:2010)

## Marine Distillate Fuels

Characteristic	Unit	Limit	Category ISO-F-
			DMA (MGO)
Density at 15 °C	kg/m <sup>3</sup>	max	890.0
Viscosity at 40°C	mm <sup>2</sup> /s	min max	2.00 6.00
Flash point	°C	min	60
Pour point (upper) - winter quality - summer quality	°C	max max	-6 0
Cloud point	°C	max	---
Sulfur	% (m/m)	max	1.50
Cetane Index		min	40
Carbon residue On 10%(v/v) distillation bottoms	% (m/m)	max	0.30
Carbon residue	% (m/m)	max	---
Ash	% (m/m)	max	0.01
Appearance			Clear & bright
Total sediment existent	% (m/m)	max	---
Water	% (v/v)	max	---
Vanadium	mg/kg	max	---
Aluminium plus silicon	mg/kg	max	---

## Marine Residual Fuels

Characteristic	Unit	Limit	Category ISO-F-	
			RME 180	RMG 380
Density at 15°C	kg/m <sup>3</sup>	max	991.0	991.0
Kinematics viscosity at 50°C	mm <sup>2</sup> /s	max	180.0	380.0
Flash point	°C	min	60	60
Pour point (upper), - winter quality - summer quality	°C	max max	30 30	30 30
Carbon residue	%(m/m)	max	18	18
Ash	% (m/m)	max	0.10	0.10
Water	% (V/V)	max	0.5	0.5
Sulfur	% (m/m)	max	3.50	3.50
Vanadium	mg/kg	max	350	350
Total sediment potential	% (m/m)	max	0.10	0.10
Aluminium plus silicon	mg/kg	max	60	60