

# SUPPLY SPECIFICATION

## Diesel B0 10 ppm, EN 590, base diesel for B7

PROPERTY	UNIT	METHOD	LIMITS	
			min.	Max.
Appearance, 20 °C		Visual / ASTM D 4176	Bright & Clear	
Ash	Mass %	EN ISO 6245	0,01	
Cetane Index		EN ISO 4264	46,0	
Cetane Number		EN ISO 5165* / EN 15195 / EN 16144 / EN 16715	51,0 <sup>1</sup>	
Colour		ISO 2049 / ASTM D1500 / ASTM D 6045	2,0	
Carbon Residue on 10% Residue	Mass %	EN ISO 10370	0,15	
Cold Properties				
Cloud Point	°C	EN 23015		
1/4 - 30/9 (FAME=Daka)			-2	
1/4 - 30/9 (FAME=RME)			0	
1/10 - 30/11 (FAME=Daka)			-9	
1/10 - 30/11 (FAME=RME)			-9	
1/12 - 31/3 (FAME=RME)			-12	
Cold Filter Plugging Point	°C	EN 116* / EN 16329		
1/4 - 30/9 (FAME=Daka)			-17	
1/4 - 30/9 (FAME=RME)			-13	
1/10 - 30/11 (FAME=Daka)			-20	
1/10 - 30/11 (FAME=RME)			-20	
1/12 - 31/3 (FAME=RME)			-26	
Polycyclic aromatic HC	Mass %	EN 12916	8,0	
Conductivity, report at °C <sup>3</sup>	pS/m	ASTM D 2624 / ISO 6297		
Copper Strip, 50 °C, 3h		EN ISO 2160	1	
Density, 15 °C	kg/m <sup>3</sup>	EN ISO 3675 / EN ISO 12185	820.0	842.0
Manganese Content	mg/l	EN 16576	2.0	
Distillation :		EN ISO 3405		
65% recovery at	°C		250	
85% recovery at	°C			350
95% recovery at	°C			360
Recovery or Residue	Vol. %		98	2
Flash Point, PM	°C	EN ISO 2719	56	
Neutralization Number :				
Strong Acid Number	mg KOH/g	ASTM D 974 / ISO 6618	nil	
Total Acid Number	mg KOH/g	ASTM D 974 / ASTM D 664 / ISO 6619	0,20	
FAME content <sup>4</sup>	% (Vol/Vol)	EN 14078	0,2	
Total contamination	mg/kg	EN 12662	24	
Oxidation stability	g/m <sup>3</sup>	EN ISO 12205	15	
Sulphur	mg/kg (ppm)	EN ISO 20846* / EN ISO 20884* / EN ISO 13032	10,0	
Viscosity, kin. At 40 °C	mm <sup>2</sup> /s	EN ISO 3104	2,0	3,7
Lubricity	µm	ISO 12156-1	460	
Water Content	mg/kg (ppm)	EN ISO 12937		
Truck			150	
Ship			175	

\* In case of a dispute one of the method with \* shall be used.

1) Cetane Improver may be added to obtain specified Cetane Number

2) Based on Cold Properties for RME: Cloud Point max -2°C / CFPP max -12°C. Daka: Cloud Point max +13 / CFPP max +10°C (summer), max -18°C (winter).

3) Min. 10 pS/m at truck loading

4) Not to be added