

Eco-Par[®] A Technical Specification, typical values

General: Eco-Par A fulfills the EN590 standard (arctic class 2 and 3)

Parameter	Unit	EcoPar [®] A Typical analysis
Cetane index	-	> 60
Cetane number	-	51 to 54
Density @ 15°C, arctic winter classes	kg/litre	Min. 0.80
Polycyclic aromatic hydrocarbons content		Max. 1 ppm
Sulphur content	ppm wt./wt.	< 1
Manganese content	mg/litre	0
Flash point	°C	93 to 102
Carbon residue	wt.-%	Below 0.1
Ash content	vol.-%	Below 0.001
Water content	ppm wt./wt.	Below 50
Total contamination	ppm wt./wt.	Below 1
Copper Strip Corrosion 3h at 50 °C		Class 1A
Oxidation stability	gram O ₂ / m ³ fuel	About 1
Lubricity	µm, HFRR	200 to 350
Kinematic viscosity at 40°C	cSt	2.7 to 3.0
Distillation, recovered at 250 °C	Vol%	50 to 60
Distillation, recovered at 350 °C	Vol%	Min. 95
Distillation, 95% recovered	°C	About 340
Fatty acid methyl ester (FAME) content	Vol%	0.0
Cloud point, arctic winter climates	°C	-30 to -50
Cold Filter Plugging Point (CFPP)	°C	-40 to -47

Note: Diesel fuels for arctic Winter climates also function in practise when it is warmer, e.g. when it is temperate Winter climates or Summer.

EcoPar AB

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Test methods used

Parameter	Unit	Test method
Flash point	°C	ASTM D93 or EN 22719
Distillation, 90% recovered	°C	ASTM D86
Distillation, 95% recovered	°C	ASTM D86 or prEN ISO 3405:1998
Kinematic viscosity @40°C	cSt	ASTM D445 or EN ISO 3104
Ash content	vol.-%	ASTM D482 or EN ISO 6245
Sulphur content	ppm wt./wt.	EN ISO 14596:1998 or ASTM D 5453
Copper Strip Corrosion 3h at 50 °C	-	ASTM D130 or EN ISO 2160
Cetane index	-	ASTM D976 or EN ISO 4264
Cetane number	-	ASTM D613 or EN ISO 5165:1998
Cold Filter Plugging Point (CFPP)	°C	IP309 or EN116
Cloud point	°C	ASTM D2500 or EN 23015
Rams carbon residue	wt.-%	ASTM D524 or EN ISO 10370
Aromatics content	% vol./vol.	IP 391
Density @ 15°C	kg/litre	ASTM D4052 or EN ISO 3675:1998
Water content	ppm wt./wt.	ASTM D1744 or EN ISO 3405:1998
Oxidation stability	g/m ³	ASTM D2274 or EN ISO 12205
Lubricity	µm, HFRR	SS-EN-ISO 12156-1
FAME content	Vol%	EN14078

The chemical analyses has been performed by the international, authorized laboratory: Saybolt laboratories.

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