



Technical Specification of EcoPar A

Parameter	Unit	Requirement	Test method
Flash point	°C	Min. 61	ASTM D93 or EN 22719
Water and sediment	% vol.	Max. 0.05	ASTM D2709
Total contamination	ppm wt./wt.	Max. 2	EN 12662
Distillation, 90% recovered	°C	Max. 338	ASTM D86
Distillation, 95% recovered	°C	Max. 360	ASTM D86 or prEN ISO 3405:1998
Kinematic viscosity @40 °C	cSt	2.60 to 4.00	ASTM D445 or EN ISO 3104
Ash content	vol.-%	Max. 0.01	ASTM D482 or EN ISO 6245
Sulphur content	ppm w/w	Max. 4	ASTM D 5453
Copper Corrosion 3h @50 °C	-	Class 1	ASTM D130 or EN ISO 2160
Cetane index	-	Min. 50	ASTM D976 or EN ISO 4264
Cetane number	-	Min. 51	ASTM D613 or EN ISO 5165
Cold Filter Plugging Point	°C	Max. -32	IP309 or EN116
Cloud point	°C	Max. -22	ASTM D2500 or EN 23015
Rams carbon residue	wt.-%	Max. 0.15	ASTM D524 or EN ISO 10370
Aromatics content	% vol./vol.	Max. 0,5	IP 391
Polyaromatics content	ppm w/vol.	Max. 10	EPA 1654A
Density @15 °C	kg/litre	About 0.80	ASTM D4052
Typical gross heat of combustion	MJ/kg	46,0	ASTM D 240
Typical net heat of combustion	MJ/kg	43,0	ASTM D 240
Net volumetric heat of combustion	MJ/litre	Min. 33,0	ASTM D 240 and ASTM D4052
Water content	ppm wt./wt.	Max. 200	ASTM D1744 or EN ISO 3405:1998
Oxidation stability	g/m ³	Max. 5	ASTM D2274 or EN ISO 12205
Lubricity	µm, HFRR	Max. 400	ISO 12156-1