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HVO Renewable Diesel Specification

BS EN 15940 & ASTM D975 Diesel Fuel

Parameter	Test Method	Units	Specification	Typical Value
Appearance	ASTM D4176-2	-	Clear & bright	Clear & bright
Density	EN ISO 12185	kg/l	0.770 – 0.790	0.780
Viscosity	EN ISO 3104	mm ² /s	2.0 – 4.0	2.8
Sulphur content	EN ISO 20884	mg/kg	5 max	<5
Flash point	EN ISO 2719	C	61 min	>70
CFPP - Summer - Winter	EN116	C	-15 max -34 max	< -15 < -34
Ash content	EN ISO 6245	% m/m	0.001 max	<0.001
Initial boiling point	EN ISO 3405	C	180 min	>180
Recovered at 250°C	EN ISO 3405	% v/v	<65	<20
Recovered at 350°C	EN ISO 3405	% v/v	85 min	>98
95% recovered at	EN ISO 3405	C	360 max	>95
Cetane number	EN 15195	-	70 min	80
Cetane index	EN ISO 4264	-	70 min	80
CFPP	EN 116	C	-15 -34	'
Carbon residue (on 10% distillation residue)	EN ISO 10370	% m/m	0.1 max	<0.01
Oxidation stability	EN ISO12205	g/m ³	25 max	<5
Copper strip corrosion 3hr/50°C	EN ISO 2160	-	1 max	1a
Net heat of combustion	ASTM D4809	MJ/kg	42 min	44
Particulate matter	EN 12662	mg/kg	10 max	<1
Lubricity/HFRR	EN ISO 12156-1	µm	400 max	350
Lubricity/SL BOCLE	ASTM D6078	g		>3500
Renewable diesel	-	% v/v	100	100
Fatty acid methyl ester	-	% v/v	0	0
Total aromatics	EN 12916	% m/m	1 max	<1
Polycyclic Aromatics (PAH)	SS 155116	% v/v	0.02 max	<0.02
Biogenic carbon by C14	ASTM D6866 A&C/ EN16640A	% m/m	96% min	>96%