



HVO Specification Data Sheet - 2021

Appearance	-	ASTM D4176-2	Clear and bright	Clear and bright
Density at 15°C	kg/m ³	EN ISO 12185	0.770 - 0.790	0.780
Viscosity at 40°C	mm ² /s	EN ISO 3104	2.0 - 4.0	2.8
Sulphur Content	mg/kg	EN ISO 20884	5 maximum	<5
Flash point	°C	EN ISO 2719	61 minimum	>70
Cloud point - Summer - Winter	°C	EN 23015	15 maximum -34 maximum	< -15 < -34
CFPP - Summer - Winter	°C	EN116	-15 maximum -34 maximum	< -15 < -34
Water Content	mg/kg	EN ISO 12937	200 maximum	40
Ash Content	% m/m	EN ISO 6245	0.001 maximum	<0.001
Initial Boiling Point	°C	EN ISO 3405	180 minimum	>180
Recovered at 250°C	% v/v	EN ISO 3405	<65	<20



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Recovered at 350°C	% v/v	EN ISO 3405	85 minimum	>98
95% recovered at	°C	EN ISO 3405	360 maximum	>95
Cetane Number	-	EN 15195	70 minimum	80
Cetane Index	-	EN ISO 4264	70 minimum	80
CFPP	°C	EN 116	-15 to -34	*
Carbon Residue (on 10% distillation residue)	% m/m	EN ISO 10370	0.1 maximum	<0.01
Oxidation Stability	g/m ³	EN ISO 12205	25 maximum	<5
Copper Strip Corrosion 3hr/50°C	-	EN ISO 2160	1 maximum	1a
Net Heat of Combustion	MJ/kg	ASTM D4809	42 minimum	44
Particulate Matter	mg/kg	EN 12662	10 maximum	<1
Lubricity/HFRR	µm	EN ISO 12156-1	400 maximum	350



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Renewable Diesel	% v/v	-	100	100
Fatty Acid Methyl Ester	% v/v	-	0	0
Total Aromatics	% m/m	EN 12916	1 maximum	<1
Polycyclic Aromatics (PAH)	% v/v	SS 155116	0.02 maximum	<0.02