

# Technical Information

**Green D+ is a bio-based paraffinic diesel fuel defined in the EN15940 specification.**

Our supplier guarantees no FAME is added in the product and that it does not contain manganese.

Green D+ is 100% renewable waste.

Full TDS & MSDS available on request.

PROPERTIES	TEST METHOD	UNIT	EN 590	ASTM D 975	EN 15940	GREEN D+	
						MIN	MAX
Cetane number	ASTM D4737	-	> 51	> 40	> 70	70	-
Density at 15°C	ASTM D1298	kg/m3	820 - 845	-	765 - 800	770	790
Sulfur content	EN ISO 20846	mg/kg	< 10.0	< 15.0	< 5.0	-	5.0
Flash point	ASTM D975	oC	> 55	> 52	> 55	61	-
"Carbon residue (on 10% distillation residue)"	ASTM D4530	%(m/m)	< 0.30	< 0.35	< 0.30	-	0.10
Ash content	ASTM D482	%mass	< 0.010	< 0.010	< 0.010	-	0.001
Water content	EN ISO 12937	mg/kg	< 200	-	< 200	-	100
Total contamination	EN ISO 12662	mg/kg	< 24	-	< 24	-	10
Copper strip corrosion (3h at 50°C)	EN ISO2160	Rating	Class 1	Class 3	Class 1	Class 1	
Oxidation stability	EN ISO 12205	g/m3	< 25	-	< 25	-	25
Lubricity, corrected wear scar diameter (wsd 1.4) at 60°C	EN ISO 12156-1	mm	< 460	< 520	< 460	-	400
Viscosity at 40°C	EN ISO 3104	mm2/s	2.0 - 4.5	1.9 - 4.1	2.0 - 4.5	2.0	4.0
Distillation IBP		oC	-	-	-	180	-
% (V/V) recovered at 250°C	EN ISO 3405	%(V/V)	< 65	-	< 65	-	< 65
% (V/V) recovered at 350°C		%(V/V)	> 85	-	> 85	85	-
95% (V/V) recovered at		oC	< 360	-	< 360	-	320
Cloud Point (Summer/Winter) & CFPP	EN 23015 / EN 116	oC	Down to -34	-	-	-15/-32 (CFPP reported)	
Appearance	Visual	-	-	-	-	Clear and bright	
Total aromatics content	EN 12916	%(m/m)	-	< 35	< 1.1	-	1.0
Electrical Conductivity	ISO 6297	pS/m	-	-	-	100	-
Acidity total (TAN)	ASTM D3242	mgKOH/g	-	-	-	-	0.01
Sediment, particulate matter	EN 12662	g/kg	-	-	10	-	< 1
Net heat of combustion, measured	ASTM D4809	MJ/kg	-	-	42	-	44