

Appendix 1



Technical Data Sheet

Neste Renewable Diesel

26/10/2021

Neste Renewable Diesel is a bio-based paraffinic diesel fuel defined in the EN 15940 specification.

Properties	Unit	Specification		EN 15940 limits		Test Method
		min	max	min	max	
Cetane number	-	70	-	70	-	EN 15195
Density at 15°C	kg/m³	770	790	765	800	EN ISO 12185
Sulfur content	mg/kg	-	5	-	5	EN ISO 20848
Flash point	°C	61	-	55	-	EN ISO 2719
Carbon residue (on 10% distillation residue)	% (m/m)	-	0.1	-	0.3	EN ISO 10370
Ash content	% (m/m)	-	0.01	-	0.01	EN ISO 6245
Water content	mg/kg	-	200	-	200	EN ISO 12937
Total contamination	mg/kg	-	24	-	24	EN ISO 12662
Copper strip corrosion (3h at 50°C)	rating	Class 1		Class 1		EN ISO 2180
Oxidation stability	g/m³	-	25	-	25	EN ISO 12205
Lubricity, corrected wear scar diameter (wsd 1.4) at 60°C	µm	460		-	460	EN ISO 12156-1
Viscosity at 40°C	mm²/s	2	4	2	4.5	EN ISO 3104
Distillation		Reported				
IBP						
% (V/V) recovered at 250°C	% (V/V)	-	< 65	-	< 65	EN ISO 3405
% (V/V) recovered at 350°C	% (V/V)	85	-	85	-	
95% (V/V) recovered at	°C	-	360	-	360	
Cloud Point and CFPP	°C	Cloud Point as agreed, report only for CFPP, see footnote a)		-	-	EN 23015 and EN 116
Appearance		Clear and bright		-	-	Visual
Total aromatics content	% (m/m)	-	1.1	-	1.1	EN 12916

Additives	Unit	Specification		EN 15940 limits		Test Method
		min	max	min	max	
Static dissipator additive (SDA)	-	Added		-	-	-
Lubricity improver additive (LIA)	-	Added		-	-	-
Cold flow improver (FI) additive for CFPP	-	Not added		-	-	-
Manganese	-	See footnote b)		-	-	-

The supplier guarantees no FAME is added in the product.

a) The typical Cloud Points available are -5 / -15 / -22 / -32°C.

b) The supplier guarantees that the product does not contain manganese.