

Authorised parameter values for diesel and biodiesel used for production by proportionate blending

Parameter	Diesel	Biodiesel (FAME)
Cetane number	Min 51	Min 51
Density at 15 °C, kg/m ³	820–839	860–900
PAH, %mass	max 8	0
Sulphur content, mg/kg	max 10	max 10
Manganese content, mg/l	max 2	n/a
Flash point, °C	min 55	min 101
Carbon residue on 10% distillation residue, %mass	max 0.3	n/a
Ash content, %mass	max 0.009	max 0.02
Water content, %mass	max 0.01	max 0.02
Solid particles, mg/kg	max 24	max 24
Corrosiveness	Class 1	Class 1
FAME, %vol	0	n/a
Oxidation stability, g/m ³	max 10	n/a
Oxidation stability by Rancimat method, h	min 20	min 8
Lubricity, µm	max 460	n/a
Viscosity (during summer season) at 40 °C, mm ² /s	2–4	3.5–5
Viscosity (during winter season) at 40 °C, mm ² /s	1.5–3.5	3.5–5
Distilled volume at 180 °C, %vol	<8.0	n/a
Distilled volume at 250 °C, %vol	<60.0	n/a
Distilled volume at 180 °C, %vol	>95.0	n/a
Distilled volume at 180 °C, %vol	>90.0	n/a
95% volume distillation temperature, °C	<350	n/a
Cold filter plugging point (CFPP), °C	<–5	<–5
Cloud point (CP), °C	n/a	<0 °C if monoglyceride content <0.6 %mass or <9 °C if monoglyceride content <0.3 %mass

When checking conformity to specifications and when resolving disputes, test methods and conditions provided by the quality standard EVS-EN 590 must be used for diesel and those provided by the quality standard EVS-EN 14214 for petrol.

‘Summer season’ means the period starting from 1 May until 30 September and ‘winter season’, the period starting from 1 December until 1 March.

When producing fuel by proportionate blending during the period from 1 October until 30 November and 1 March until 30 April, it is permitted to use diesel and biodiesel that meet the viscosity specifications for the summer or the winter period.