



Fuel Quality Standards (Biodiesel) Determination 2025

I, Chris Bowen, Minister for Climate Change and Energy, make the following determination.

Dated **16/02/2025**

Chris Bowen
Minister for Climate Change and Energy

Contents

1 Name	1
2 Commencement.....	1
3 Authority	1
4 Definitions	1
5 Schedules.....	2
6 Fuel standard for biodiesel	2
Schedule 1—Repeals	3
<i>Fuel Quality Standards (Biodiesel) Determination 2019</i>	3

1 Name

This instrument is the *Fuel Quality Standards (Biodiesel) Determination 2025*.

2 Commencement

- (1) Each provision of this instrument specified in column 1 of the table commences, or is taken to have commenced, in accordance with column 2 of the table. Any other statement in column 2 has effect according to its terms.

Commencement information		
Column 1	Column 2	Column 3
Provisions	Commencement	Date/Details
1. The whole of this instrument	The day after this instrument is registered.	

Note: This table relates only to the provisions of this instrument as originally made. It will not be amended to deal with any later amendments of this instrument.

- (2) Any information in column 3 of the table is not part of this instrument. Information may be inserted in this column, or information in it may be edited, in any published version of this instrument.

3 Authority

This instrument is made under section 21 of the *Fuel Quality Standards Act 2000*.

4 Definitions

Note: A number of expressions used in this instrument are defined in section 4 of the *Fuel Quality Standards Act 2000*, including fuel.

In this instrument:

ASTM followed by an alphanumeric code means the testing method developed under that code by the standards development organisation called ASTM International.

biodiesel means a diesel fuel obtained by esterification of oil derived from plants or animals.

EN followed by a numeric code means the testing method developed under that code by the European Committee for Standardization.

mg/kg means milligrams per kilogram, and is equivalent to ‘parts per million’ or ‘ppm’ by mass.

% m/m means per cent mass by mass, and is equivalent to ‘mass %’, ‘% mass’ and ‘weight %’.

% v/v means per cent volume by volume, and is equivalent to ‘volume %’, ‘vol %’ and ‘% vol’.

5 Schedules

Each instrument that is specified in a Schedule to this instrument is amended or repealed as set out in the applicable items in the Schedule concerned, and any other item in a Schedule to this instrument has effect according to its terms.

6 Fuel standard for biodiesel

- (1) In relation to a parameter mentioned in an item of the following table, biodiesel must comply with the specification for that parameter mentioned in that item.
- (2) For subsection (1), compliance with the specification for a parameter is determined by using the testing method for that parameter mentioned in that item of the table.

Fuel standard for biodiesel			
Item	Parameter	Specification	Testing Method
1	Acid value	0.50 mg KOH/g maximum	ASTM D664
2	Carbon residue—10% distillation residue	0.30% m/m maximum	ASTM D4530
3	Cold soak filterability	360 seconds maximum	ASTM D7501
4	Copper corrosion—3 h at 50°C	Class 1 maximum	ASTM D130
5	Density at 15°C	860–900 kg/m ³	ASTM D1298
6	Derived cetane number	51.0 minimum	ASTM D6890
7	Distillation—T90	360°C maximum	ASTM D1160
8	Ester content	96.5% m/m minimum	EN 14103
9	Flash point	120.0°C minimum	ASTM D93
10	Glycerides—monoglycerides	0.7% m/m maximum	ASTM D6584
11	Glycerides—diglycerides	0.2% m/m maximum	ASTM D6584
12	Glycerides—triglycerides	0.2% m/m maximum	ASTM D6584
13	Glycerol—free	0.020% m/m maximum	ASTM D6584
14	Glycerol—total	0.250% m/m maximum	ASTM D6584
15	Kinematic viscosity at 40°C	3.5–5.0 mm ² /s	ASTM D445
16	Metals—Group I—Na, K	5 mg/kg maximum	EN 14538
17	Metals—Group II—Ca, Mg	5 mg/kg maximum	EN 14538
18	Methanol	0.20% m/m maximum	EN 14110
19	Oxidation stability at 110°C	8.0 hours minimum	EN 14112
20	Phosphorus	4.0 mg/kg maximum	EN 14107
21	Sulfated ash	0.020% m/m maximum	ASTM D874
22	Sulfur	10 mg/kg maximum	ASTM D5453
23	Total contamination	24 mg/kg maximum	EN 12662
24	Water	500 mg/kg maximum	ASTM D6304

Schedule 1—Repeals

Fuel Quality Standards (Biodiesel) Determination 2019

1 The whole of the instrument

Repeal the instrument.