



Fuel Quality Standards (Autogas) Determination 2019

I, Angus Taylor, Minister for Energy and Emissions Reduction, make the following determination.

Dated 18 September 2019

Angus Taylor
Minister for Energy and Emissions Reductions

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1 Name

This instrument is the *Fuel Quality Standards (Autogas) Determination 2019*.

2 Commencement

This instrument commences on 1 October 2019.

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 Act, including the following:

- (a) *fuel*
- (b) *supply*
- (c) *inspector*

In this instrument:

Act means the *Fuel Quality Standards Act 2000*.

Autogas means liquefied petroleum gas that is supplied or represented as fuel suitable for motor vehicles but excludes liquefied petroleum gas supplied in cylinders.

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

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

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

ISO followed by a numeric code means the testing method developed under that code by the International Organization for Standardization.

JLPGA followed by an alphanumeric code means the testing method developed under that code by the Japan LP Gas Association.

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

5 Fuel standard for autogas

- (1) In relation to a parameter mentioned in an item of the following table, autogas must comply with the specification for that parameter mentioned in that item.

Item	Parameter	Specification	Testing Method
1	Copper corrosion	Class 1	EN ISO 6251
2	Dienes	0.3% molar maximum	ISO 7941
3	Hydrogen sulfide	Negative	EN ISO 8819
4	Motor octane number (MON)	90.5 minimum	Composition by ISO 7941 Calculation by EN 589 Annex B
5	Odour	Detectable in air at 20% lower flammability limit	EN 589 Annex A
6	Residue on evaporation	60 mg/kg maximum	JLPGA-S-03 by mass method at 105°C
7	Sulfur—after stenching	50 mg/kg maximum	ASTM D6667
8	Vapour pressure—gauge, at 40°C	800–1,530 kPa	ISO 8973
9	Volatile residues—C5 and higher	2.0% molar maximum	ISO 7941
10	Water	Pass	EN 15469

- (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.

Note: The testing methods listed in the table are the methods that will be used by inspectors and other persons authorised to conduct tests on fuel under the Act to determine whether the fuel complies with the relevant fuel standard. Subsection (2) does not prevent other persons (including persons supplying fuel) from using other test methods to ensure that the fuel complies with the relevant fuel standard.