# 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<br>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.