

## Automotive fuels

Determination of manganese and iron content in unleaded petrol

Inductively coupled plasma optical emission spectrometry (ICP OES) method

This standard has been prepared by the Technical Committee CTN 51 *Petroleum products* the Secretariat of which is held by AOP.



UNE-EN 16136

Automotive fuels

Determination of manganese and iron content in unleaded petrol  
Inductively coupled plasma optical emission spectrometry (ICP OES) method

*Combustibles de automoción. Determinación del contenido de hierro y manganeso en gasolinas sin plomo. Método por espectroscopía de emisión óptica mediante plasma de acoplamiento inductivo (ICP OES).*

*Carburants pour automobiles - Détermination des teneurs en fer et en manganèse dans les essences sans plomb - Méthode spectrométrique optique par plasma à couplage inductif (ICP OES)*

This standard is the official English version of EN 16136:2015.

This standard was published as UNE-EN 16136:2015, which is the definitive Spanish version.

The remarks to this document must be sent to:

**Asociación Española de Normalización**

Génova, 6  
28004 MADRID-España  
Tel.: 915 294 900  
[info@une.org](mailto:info@une.org)  
[www.une.org](http://www.une.org)

February 2015

ICS 71.080.60; 75.160.20

Supersedes EN 16136:2011

English Version

Automotive fuels - Determination of manganese and iron content  
in unleaded petrol - Inductively coupled plasma optical emission  
spectrometry (ICP OES) method

Carburants pour automobiles - Détermination des teneurs  
en fer et en manganèse dans les essences sans plomb -  
Méthode spectrométrique optique par plasma à couplage  
inductif (ICP OES)

Kraftstoffe für Kraftfahrzeuge - Bestimmung des Gehaltes  
an Mangan und Eisen in unverbleitem Ottokraftstoff -  
Optische Emissionsspektrometrie mit induktiv gekoppeltem  
Plasma (ICP OES)

This European Standard was approved by CEN on 12 December 2014.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels