



BSI Standards Publication

**Ethanol as a blending component for  
petrol — Determination of total acidity —  
Colour indicator titration method**

---

This is a preview of BS EN 15491:2025. [Click here to purchase the full version from the ANSI store.](#)

## National foreword

This British Standard is the UK implementation of EN 15491:2025. It supersedes BS EN 15491:2021, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PTI/2, Liquid Fuels.

A list of organizations represented on this committee can be obtained on request to its committee manager.

### Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2025  
Published by BSI Standards Limited 2025

ISBN 978 0 539 31337 6

ICS 71.080.60; 75.160.20

### Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2025.

### Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

---

This is a preview of BS EN 15491:2025. [Click here to purchase the full version from the ANSI store.](#)

## EUROPÄISCHE NORM

March 2025

ICS 75.160.20

Supersedes EN 15491:2021

English Version

## Ethanol as a blending component for petrol - Determination of total acidity - Colour indicator titration method

Ethanol comme base de mélange à l'essence -  
Détermination de l'acidité totale - Méthode de titrage  
par indicateur coloré

Ethanol zur Verwendung als Blendkomponente in  
Ottokraftstoff - Bestimmung der Gesamtsäurezahl -  
Farbindikator-Titration

This European Standard was approved by CEN on 15 January 2025.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

This is a preview of BS EN 15491:2025. [Click here to purchase the full version from the ANSI store.](#)

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>1 Scope</b> .....	<b>4</b>
<b>2 Normative references</b> .....	<b>4</b>
<b>3 Terms and definitions</b> .....	<b>4</b>
<b>4 Principle</b> .....	<b>4</b>
<b>5 Reagents and materials</b> .....	<b>5</b>
<b>6 Apparatus</b> .....	<b>6</b>
<b>7 Sampling and sample handling</b> .....	<b>6</b>
<b>8 Procedure</b> .....	<b>6</b>
<b>9 Calculation</b> .....	<b>7</b>
<b>10 Expression of results</b> .....	<b>7</b>
<b>11 Precision</b> .....	<b>7</b>
<b>11.1 General</b> .....	<b>7</b>
<b>11.2 Repeatability, <math>r</math></b> .....	<b>7</b>
<b>11.3 Reproducibility, <math>R</math></b> .....	<b>7</b>
<b>12 Test report</b> .....	<b>8</b>
<b>Bibliography</b> .....	<b>9</b>

This is a preview of BS EN 15491:2025. [Click here to purchase the full version from the ANSI store.](#)

## European foreword

This document (EN 15491:2025) has been prepared by Technical Committee CEN/TC 19 “Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin”, the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2025, and conflicting national standards shall be withdrawn at the latest by September 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15491:2021.

In comparison with the previous edition EN 15491:2021, the following technical modification has been made:

- sparging with nitrogen before titration has been added to 8.4 and sparging during the titration has been made mandatory for clarification to the user and for better comparison of the results. This has no effect on the method precision.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.