

BS EN 16738:2015



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Emission safety of combustible air fresheners — Test methods

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

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English Version

**Emission safety of combustible air fresheners - Test
methods**

Sécurité des émissions des désodorisants à combustion
- Méthodes d'essais

Emissionssicherheit brennbarer Lufterfrischer -
Testverfahren

This European Standard was approved by CEN on 17 October 2015.

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European foreword

This document (EN 16738:2015) has been prepared by Technical Committee CEN/TC 421 “Project Committee - Emission safety of combustible air fresheners”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by May 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

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1 Scope

This European standard specifies a test method for the determination of emissions resulting from the use of combustible air fresheners into indoor air by means of chamber operation according to EN ISO 16000-9.

This standard defines specific testing conditions for the measurement of the emissions from combustible air fresheners which minimize the effect of the testing on the combustion process.

This standard provides a measurement method for the determination of the following non-exhaustive list of target substances emitted directly from the burning process:

- VOC;
- Benzene;
- Naphthalene;
- Formaldehyde.

The measurement method can allow the determination of other substances.

This standard provides additional information on the optional measurement of the following substances:

- SO₂;
- NO_x;
- CO.

This standard is not suitable for the quantitative determination of particulate matter.

This standard does not apply to non-combustible air fresheners and loose incenses.

Any scented candle with burning time shorter than 2,5 h is outside the scope of the standard.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 717-1, *Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the chamber method*

EN 14211, *Ambient air - Standard method for the measurement of the concentration of nitrogen dioxide and nitrogen monoxide by chemiluminescence*

EN 14212, *Ambient air - Standard method for the measurement of the concentration of sulphur dioxide by ultraviolet fluorescence*

EN 14626, *Ambient air - Standard method for the measurement of the concentration of carbon monoxide by non-dispersive infrared spectroscopy*

EN 14789, *Stationary source emissions - Determination of volume concentration of oxygen (O₂) - Reference method - Paramagnetism*