

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

सिगरेट - सिगरेट के धुंए में वाष्प प्रविस्था में कार्बन मोनोऑक्साइड ज्ञात करना - एन
डी आई आर पद्यति (आइ एस 16024 का पहला पुनरीक्षण)
(आइ एस ओ 8454: 2024 का अंगीकरण)

Draft Indian Standard

**CIGARETTES — DETERMINATION OF CARBON MONOXIDE IN THE
VAPOUR PHASE OF CIGARETTE SMOKE — NDIR METHOD** (*First revision of IS
16024*)
(Adoption of ISO 8454:2024)

ICS 65.160

Tobacco and Tobacco Products Sectional
Committee, FAD 04

Last Date of Comments
15/09/2024

NATIONAL FOREWORD

(Adoption clause would be added later)

This Indian Standard (First Revision) is identical with ISO 8454:2024 ‘Cigarettes — Determination of carbon monoxide in the vapour phase of cigarette smoke — NDIR method’ issued by the International Organization for Standardization (ISO).

This standard was first published in 2013. This revision has been undertaken to align it with the latest edition of ISO 8454:2024. The major changes introduced in this revision are as follows:

- Scope has been edited to improve clarity;
- Repeatability and reproducibility values in Table 1 have been updated to include those from ISO/TR 19478 and the total particulate matter values were included;
- Clause 10, Test Report, has been harmonized with ISO 10315; and

- d) Sub-clauses 7.2.2 and 7.2.3 have been modified to better describe the calibration and verification processes.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to the following International Standards for which Indian Standards also exists. The corresponding Indian Standards which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 3308 Routine analytical cigarette-smoking machine — Definitions and standard conditions	IS 16022: 2015/ ISO 3308: 2012 Routine analytical cigarette smoking machine — Definitions and standard conditions (<i>first revision</i>)	Identical
ISO 3402 Tobacco and tobacco products — Atmosphere for conditioning and testing	IS 16121: 2023/ ISO 3402: 2023 Tobacco and tobacco products — Atmosphere for conditioning and testing (<i>first revision</i>)	Identical
ISO 4387 Cigarettes — Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine	IS 16023: 2021/ ISO 4387: 2019 Cigarettes — Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine (<i>first revision</i>)	Identical

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’.

‘FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 8454: 2024.

Note: The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining copy of the complete ISO Standard, please contact:

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