

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

**NATURAL GAS — CALCULATION OF COMPRESSION FACTOR — PART 3
CALCULATION USING PHYSICAL PROPERTIES**

[*Second Revision of IS 15305 (Part 3)*]

(ICS No. 75.060)

Methods of Sampling and Test for Petroleum and
Related Products of Natural or Synthetic Origin
(excluding bitumen) Sectional Committee, PCD 01

Last date for receipt of comment is
09 March 2024

NATIONAL FOREWORD

(Formal clauses will be added later).

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 certain International Standard for which Indian Standard also exist. The corresponding Indian Standard, which is to be substituted in their respective places, is 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 6976: 2016 , Natural gas — Calculation of calorific values, density, relative density and Wobbe index from composition	IS 14504 : 2021 / ISO 6976: 2016 — Natural Gas — Calculation of Calorific Values, Density, Relative Density and Wobbe Indices from Composition (<i>first revision</i>)	Identical
ISO 12213-1: 2006, Natural gas — Calculation of compression factor —	IS 15305 (Part 1) : 2019 / ISO 12213-1 — Natural Gas — Calculation of Compression Factor Part 1 Introduction and Guidelines (<i>first revision</i>)	Identical

Part 1: Introduction and guidelines		
ISO 80000-4: 2019 Quantities and units — Part 4: Mechanics	IS/ISO 80000-4 : 2019 — Quantities and units: Part 4 Mechanics	Identical
ISO 80000-5: 2019 Quantities and units — Part 5: Thermodynamics	IS/ISO 80000-5 : 2019— Quantities and units: Part 5 Thermodynamics	Identical

In reporting the result 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*)'.

NOTE — The technical content of this document has not been enclosed as this is identical with the corresponding ISO Standard. For details, please refer to ISO 12213-3: 2006 or kindly contact:

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