BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

भारतीय मानक **मसौदा**

गैस सिलेंडर — गैस सामग्री सहित सिलेंडर और वाल्व सामग्री की संगतता

भाग 2 गैर-धातु सामग्री

(पहला पुनरीक्षण)

(ISO 11114-2 का *अधिग्रहण*)

Draft *Indian Standard*

GAS CYLINDERS — COMPATIBILITY OF CYLINDERAND VALVE MATERIALS WITH GAS CONTENTS

PART 2 NON-METALLIC MATERIALS

(First Revision)

(*Adoption* of ISO 11114-2)

ICS 23.020.35

Gas Cylinders Sectional Committee, MED 16	Last date of receipt of comment is 27 January 2024

NATIONAL FOREWORD

(*Adoption clause to be added later*)

The Indian Standard supersedes IS/ISO 11114-2 : 2012 ‘Transportable gas cylinders — Compatibility of cylinder and valve materials with gas contents: Part 2 Non-metallic materials’.

Under the general title ‘Gas cylinders — Compatibility of cylinder and valve materials with gas contents’, the standard is in six parts, other parts are as following:

Part 1 Metallic materials
Part 3 Autogenous ignition test for non-metallic materials in oxygen atmosphere
Part 4 Test methods for selecting steels resistant to hydrogen embrittlement
Part 5 Test methods for evaluating plastic liners
Part 6 Oxygen pressure surge testing

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standard. 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 are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 11114-3, Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 3: Autogenous ignition test for non-metallic materials in oxygen atmosphere	IS/ISO 11114-3 : 2010 Gas cylinders — Compatibility of cylinder and valve materials with gas contents: Part 3 Autogenous ignition test for non-metallic materials in oxygen atmosphere	Identical
ISO 15001, Anaesthetic and respiratory equipment — Compatibility with oxygen	IS/ISO 15001 : 2010 Anaesthetic and respiratory equipment — Compatibility with oxygen (*first revision*)	Identical

The technical committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

International Standard	*Title*
ISO 10286	Gas cylinders — Vocabulary
ISO 10297	Gas cylinders — Cylinder valves — Specification and type testing

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded-off value should be the same as that of the specified value in this standard.

NOTE: The technical content of the document has not been enclosed as these are identical with the corresponding ISO standard. For details, please refer the corresponding **ISO 11114-2 : 2021** or kindly contact:

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