

**BUREAU OF INDIAN STANDARDS**

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा

जल की गुणवत्ता — नमूने लेने

भाग 27 जल के नमूनों के समुद्री कार्बन डाइऑक्साइड प्रणाली के पैरामीटर पर  
मार्गदर्शन

*{IS 17614 (Part 27) Identical adoption under dual numbering of ISO 5667-26:2022}*

*Draft Indian Standard*

**Water Quality — Sampling**

**Part 27 Guidance on sampling for the**

**parameters of the oceanic carbon dioxide system**

*{IS 17614 (Part 27) Identical adoption under dual numbering of ISO 5667-26:2022}*

ICS 13.060.45

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Water Quality Sectional Committee, CHD 36

**Last date for Comments: 27<sup>th</sup> October 2025**

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**NATIONAL FOREWORD**

*(Formal clauses to be added later)*

The Indian Standard IS 17614 has been published in several parts under the general title ‘Water Quality — Sampling’. This standard (Part 27) of IS 17614 specifies how to collect discrete seawater samples, from a Niskin or other water sampler, that are suitable for the analysis of the four measurable inorganic carbon parameters: total dissolved inorganic carbon, total alkalinity, pH and CO<sub>2</sub> fugacity.

The other parts of this series are:

<i>IS No</i>	<i>Title</i>
IS 17614: 2021	Water quality — Sampling
(Part 1): 2025	Guidance on the design of sampling programmes and sampling techniques

(Part 3): 2024	Preservation and handling of water samples
(Part 4): 2021	Guidance on sampling from lakes, natural and man-made.
(Part 5): 2021	Guidance on sampling of drinking water from treatment works and piped distribution systems
(Part 6): 2021	Guidance on sampling of rivers and streams
(Part 7): 2021	Guidance on sampling of water and steam in boiler plants
(Part 8): 2021	Guidance on the sampling of wet deposition
(Part 9): 2021	Guidance on sampling from marine waters
(Part 10): 2021	Guidance on sampling of waste water
(Part 12): 2022	Guidance on sampling of bottom sediments from rivers, lakes and estuarine areas
(Part 13): 2021	Guidance on sampling of sludges
(Part 14): 2021	Guidance on quality assurance and quality control of environmental water sampling and handling
(Part 15): 2021	Guidance on the preservation and handling of sludges and sediment samples
(Part 16): 2021	Guidance on biotesting of samples
(Part 17): 2022	Guidance on sampling of bulk suspended solids
(Part 19): 2021	Guidance on sampling of marine sediments
(Part 20): 2021	Guidance on the use of sampling data for decision making — Compliance with thresholds and classification systems
(Part 21): 2021	Guidance on sampling of drinking water distributed by tankers or means other than distribution pipes
(Part 22): 2021	Guidance on the design and installation of groundwater monitoring points
(Part 23): 2021	Guidance on passive sampling in surface waters
(Part 24): 2021	Guidance on the auditing of water quality sampling
(Part 25): 2022	Microbiological analysis
(Part 26): 2025	Guidance on the validation of the storage time of water samples

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' appears 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 Standards where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are  $27^{\circ}\text{C} \pm 2^{\circ}\text{C}$  and  $(65 \pm 5)$  percent relative humidity and shall be observed while using this standard.

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

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 5667-14: 2014 Water quality — Sampling — Part 14: Guidance on quality assurance and quality control of environmental water sampling and handling	IS 17614 (Part 14): 2021 ISO 5667-14: 2014 Water quality — Sampling Part 14 Guidance on Quality Assurance and Quality Control of Environmental Water Sampling and Handling	Identical with ISO 5667-14: 2014

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*)'.

**FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 5667- 26:2022**

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

Scientist 'F'/Senior Director and Head (Chemical) Chemical Department  
Bureau of Indian Standards  
Manak Bhavan, 9, Bahadur Shah Zafar Marg New Delhi-110002  
**Telephone:** 011-23236428  
**Mail Id:** [chd@bis.gov.in](mailto:chd@bis.gov.in) or [chd36@bis.org.in](mailto:chd36@bis.org.in)