



## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : FAD 31/T

Date : 03 July 2024

**TECHNICAL COMMITTEE : Food Microbiology Sectional Committee, FAD 31**

To,

**All concerned**

Dear Madam/Sir,

The following document has been prepared by the Food Microbiology Sectional Committee Sectional Committee, FAD 31. Please [click here](#) to view the document.

**Document Number : FAD 31 (25880) WC**

**Title of the document : Water Quality Detection and Quantification of Legionella spp andor Legionella Pneumophila by Concentration and Genic Amplification by Quantitative Polymerase Chain Reaction qPCR**  
**Document Type : New Indian Standard**

*This document has following salient features which may require specific attention for your valuable comments:*

- 1) *Scope: This document specifies a method for the detection and quantification of Legionella spp. and L. pneumophila using a quantitative polymerase chain reaction (qPCR). It specifies general methodological requirements, performance evaluation requirements, and quality control requirements.*
- 2) *Technical details specified in this document are given for information only. Any other technical solutions complying with the performance requirements are suitable.*
- 3) *This document is intended to be applied in the bacteriological investigation of all types of water (hot or cold water, cooling tower water, etc.), unless the nature and/or content of suspended matter and/or accompanying flora interfere with the determination. This interference can result in an adverse effect on both the detection limit and the quantification limit.*
- 4) *The results are expressed as the number of genome units of Legionella spp. and/or L. pneumophila per litre of sample.*
- 5) *The method described in this document is applicable to all types of water. However, some additives, such as chemicals used for water treatment, can interfere with and/or affect the sensitivity of the method.*
- 6) *The standard also includes normative references, terms, definitions, symbols and abbreviated terms, principle, sampling, general testing conditions, procedure, expression of result, technical protocol for the characterization and the validation of the method, quality controls and test report.*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 01 September 2024**

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at fad@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New

Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,**  
**(SUNEETI TOTEJA)**  
**Head (Food and Agriculture Department)**  
**Email: [fad@bis.gov.in](mailto:fad@bis.gov.in)**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : FAD 31/T

दिनांक : 03-07-2024

तकनीकी समिति : Food Microbiology Sectional Committee Sectional Committee, FAD 31

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : FAD 31 (25880) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

सम्मतियाँ भेजने की अंतिम तिथि : 01 September 2024

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

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