



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

**BUREAU OF INDIAN STANDARDS**

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : FAD 30/T

Date : 26 October 2023

**TECHNICAL COMMITTEE : Water Purification Systems, FAD 30**

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Water Purification Systems Sectional Committee, FAD 30. Please [click here](#) to view the document.

**Document Number : FAD 30 (23542) WC**

**Title of the document : ULTRAVIOLET WATER DISINFECTION SYSTEM SPECIFICATION**

**Document Type : Revision of Indian Standard (IS 14724 : 1999)**

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

1) *This standard covers systems employing Point of Use (PoU) ultraviolet technology for disinfection of water systems up to a flow rate of 2 litres per minute (LPM). The system is expected to give water free from water borne pathogens, which is safe and suitable for human consumption.*

2) *This revision is undertaken to update the standard in line with the latest technological developments. In this revision, the following major changes have been incorporated:*

a) *LED based technology has been considered and suitably incorporated in the standard.*

b) *Challenge organism Sarcina lutea (Micrococcus luteus) for evaluating microbiological reduction has been replaced with MS2 and Qbeta coliphages considering that MS2 coliphage is one of the more resistant microorganisms, suitable to be used for UV based systems operating at 254nm and for wavelengths other than 254nm Qbeta coliphage is the bacteriophage of choice which gives a linear dose response reaction.*

*c) The figures have been replaced with schematic representation of different systems.*

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

**Last date for sharing the comments is : 31 December 2023**

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](mailto: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 TUTEJA)**  
**Head (Food and Agriculture Department)**  
**Email: [fad@bis.gov.in](mailto:fad@bis.gov.in)**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : FAD 30/T

दिनांक : 26-10-2023

**तकनीकी समिति : Water Purification Systems Sectional Committee, FAD 30**

**प्राप्तकर्ता : रूचि रखने वाले सभी निकाय**

महोदय/या,

**निम्नलिखित मसौदा तैयार किया गया है :**

**प्रलेख संख्या : FAD 30 (23542) WC**

**शीर्षक : ULTRAVIOLET WATER DISINFECTION SYSTEM SPECIFICATION**

**Document Type : Revision of Indian Standard (IS 14724 : 1999)**

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 : 31 December 2023**

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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