



भारतीय मानक ब्यूरो

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

**BUREAU OF INDIAN STANDARDS**

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## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : PCD 01 (23728)

Date : 13 November 2024

**TECHNICAL COMMITTEE : Methods of Sampling and Test for Petroleum and Related Products of Natural or Synthetic Origin (excluding bitumen), PCD 01**

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Methods of Sampling and Test for Petroleum and Related Products of Natural or Synthetic Origin (excluding bitumen) Sectional Committee, PCD 01. Please [click here](#) to view the document.

**Document Number : PCD 01 (23728) WC**

**Title of the document : PETROLEUM AND ITS PRODUCTS - TEST METHODS PART XXX  
DETERMINATION OF TOTAL VOLATILE SULPHUR IN GASEOUS HYDROCARBONS AND  
LIQUEFIED PETROLEUM GASES THROUGH ULTRAVIOLET FLUORESCENCE DETECTION**

**Document Type : New Indian Standard**

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

1) Some process catalysts used in petroleum and chemical refining can be poisoned when trace amounts of sulphur bearing materials are contained in the feedstock's. This test method can be used to determine sulphur in process feeds, finished products and can also be used for purposes of regulatory control. Generally, the instrument for testing of sulphur comprises of an injection system, horizontal furnace with combustion tube and the detector. Recently, there have been test instruments with vertical furnace, which are capable to test sulphur as low as ppb ( $\mu\text{g}/\text{kg}$ ) levels. The operation and test conditions for testing is provided by the instrument manufacturers. This standard thus provides flexibility to test Sulphur in hydrocarbons at ppb ( $\mu\text{g}/\text{kg}$ ) levels too.

2) *The standard covers determination of total Sulphur by two different type of instruments one with horizontal furnace or second with vertical furnace. It has been experienced that instrument with vertical furnace and auto injectors have better precision than the instrument with horizontal furnace. Users can opt for either type of instrument as per the test requirement.*

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

**Last date for sharing the comments is : 12 January 2025**

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 [pcd@bis.gov.in](mailto:pcd@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,  
(CHINMAY DWIVEDI)  
Head (Petroleum, Coal and Related Products Department)  
Email: [pcd@bis.gov.in](mailto:pcd@bis.gov.in)**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : PCD 01 (23728)

दिनांक : 13-11-2024

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

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : PCD 01 (23728) 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 : 12 January 2025**

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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