



भारतीय मानक ब्यूरो

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

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## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : PCD 01 (26673)

Date : 03 October 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 (26673) WC**

**Title of the document : PETROLEUM AND ITS PRODUCTS METHODS OF TEST PART 4 SAMPLING OF PETROLEUM COKE FOR LABORATORY ANALYSIS Second Revision**

**Document Type : Revision of Indian Standard (IS 1447 : Part 4 : 1989)**

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

- 1) Reduction & division of petroleum coke is necessary to produce appropriate analytical samples to determine different physical and chemical properties in the laboratory. Mechanical sampling from moving streams is the desired method for sampling. However, often infrastructure required for mechanical sampling are not available. The fundamental requirements of sampling are that all particles of the coke in the lot are accessible to the sampling instrument and that each individual particle has an equal probability of being selected and included in the sample. In case of manual sampling conditions are often far from ideal. The methods described in this standard are proposed to obtain the most representative sample that can be achieved. Manual sampling should only be applied if no possibility for mechanical sampling exists.*
- 2) IS 1447 Methods of sampling of petroleum and its products was initially published in 1966, based on the overseas publications IP Part IV 1962 Ed. 2 Methods of sampling issued by The Institute of Petroleum, London, ASTM D 270 Sampling and petroleum products and ASTM D 1265 Sampling of liquefied petroleum Gases issued by the American Society for Testing and Materials, respectively. Later with the advent of techniques, the Committee decided to revise the standard dividing it into parts. Accordingly, the first revision of the standard was taken up in 1989 and published based on ASTM D 346-78 and ASTM D 2013-86.*
- 3) The second revision has been brought out to keep pace with the latest technological developments and international practices. In this revision following major changes have been made: Reduction of sample quantity to the desired level Coning and Quartering method has been introduced along with the existing riffle divider. IS 1448 [P 132] has been incorporated for the determination of moisture content in raw and calcined petroleum coke. The moisture determined by*

*this test method shall be used for calculating other analytical results on a moisture-free basis. The percentage of moisture determined by this test method shall also be combined with dry moisture loss to determine the total moisture in the sample. Total moisture shall then be used for calculating other analytical results on an as-received basis.*

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

**Last date for sharing the comments is : 02 December 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 [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 (26673)

दिनांक : 03-10-2024

**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 (26673) 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 : 02 December 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।

भवदीय/भवदिया,  
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