

## BUREAU OF INDIAN STANDARDS

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Last date for comments – 24 July, 2024

*Draft Indian Standard***Textiles — Determination of components in flax fibres**

Chemical Methods of Test Sectional Committee, TXD 05

## NATIONAL FOREWORD

This Indian Standard intended to be adopted is identical with ISO 5773:2023 ‘Textiles — Determination of components in flax fibres’ issued by the International Organization for Standardization (ISO).

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

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 3696:1987 Water for analytical laboratory use — Specification and test methods	IS 1070 : 2023 Reagent grade water — Specification ( <i>fourth revision</i> )	Technically Equivalent
ISO 4793, Laboratory sintered (fritted) filters — Porosity grading, classification and designation	IS 12305 : 2018 ISO 4793 : 1980 Laboratory sintered (fritted) filters — Porosity grading, classification and designation ( <i>first revision</i> )	Identical with ISO 4793 : 1980

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The technical committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International/Other Standard</i>	<i>Title</i>
ISO 1130:1975	Textile fibres — Some methods of sampling for testing

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*).

# **Extract of ISO 5773:2023 ‘Textiles — Determination of components in flax fibres’**

## **Foreword**

### **1 Scope**

This document specifies the test methods for the quantitative analysis of cellulose, hemicellulose, lignin, pectin, fat and wax content in flax fibres.

This document is applicable to flax fibres and can be used as a reference for testing other bast fibres.

### **2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- i) ISO 1130, Textile fibres — Some methods of sampling for testing
- ii) ISO 3696, Water for analytical laboratory use — Specification and test methods
- iii) ISO 4793, Laboratory sintered (fritted) filters — Porosity grading, classification and designation

### **3 Terms and definitions**

No terms and definitions are listed in this document.

### **4 Principle**

Flax fibres were treated physically and chemically to extract and separate the components which were consequently subjected to gravimetric analysis, titration and spectrophotometry for quantitative determination.

## FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

(Please use A4 size sheet of paper only and type within fields indicated. Comments on each clause/sub clause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat's work)

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NAME OF THE COMMENTATOR/ORGANIZATION:

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<b>Item, Clause Sub-Clause No. Commented upon (Use Separate Box afresh)</b>	<b>Comments</b>	<b>Specific Proposal (Draft clause to be add/amended)</b>	<b>Remarks</b>	<b>Technical References and justification on which (2), (3), (4) are based</b>
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