JIS

JAPANESE

INDUSTRIAL

STANDARD

JIS L 1030-4-1 : 2023

(JCFA/JSA)

Textiles — Qualitative and quantitative analysis of some cellulose fibres (lyocell, cupro) and their blends — Part 4-1: Fibre identification using scanning electron microscopy and spectral analysis methods

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Investigated by:　Japanese Industrial Standards Committee

　　　　　　　　Standards Board for ISO area

　　　　　　　　Technical Committee on Consumer Life Products

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Contents

Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Chemical Fibers Association (JCFA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

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Introduction

This Japanese Industrial Standard has been prepared based on **ISO 21915-1** : 2020, Edition 1, with some technical and structural modifications to reflect the local conditions in Japan.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the qualitative analysis for cupro and lyocell using the following two methods separately :

— scanning electron microscope (SEM) method, and

— spectral analysis method.

These testing methods are applied only for cupro and lyocell, or blends thereof; if other fibres are present, they shall be identified using the test method of **JIS L 1030-1** and removed as much as possible using the method of **JIS L 1030-2**.

This method is not applicable to fibres of which the surface has been damaged during chemical or physical processing.

> NOTE The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.
>
> ISO 21915-1 : 2020 *Textiles — Qualitative and quantitative analysis of some cellulose fibres (lyocell, cupro) and their blends — Part 1 : Fibre identification using scanning electron microscopy and spectral analysis methods* (MOD)
>
> In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS K 0050 *General rules for chemical analysis*