JIS

JAPANESE

INDUSTRIAL

STANDARD

JIS L 1030-4-3 : 2023

(JCFA/JSA)

Textiles — Qualitative and quantitative analysis of some cellulose fibres (lyocell, cupro) and their blends — Part 4-3: Blend quantification using spectral analysis method

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

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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 21915-3** : 2020, Edition 1, with some 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 quantitative testing methods of fibres that consist of cupro and lyocell by using infrared spectroscopy (IR) analysis and multivariate analysis.

This testing method is applied only for cupro or lyocell or a mix of both. If other fibres such as cotton and rayon are present, they shall be removed by the method specified in **JIS L 1030-1** or **JIS L 1030-2** before determination according to this Standard.

> NOTE 1 When the quantitative analysis of a sample is performed by the method specified in this Standard, it is desirable to identify other types of fibre than cupro and lyocell present in the sample and determine their composition by the method specified in **JIS L 1030-1** and **JIS L 1030-2**.

> NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

> ISO 21915-3 : 2020 *Textiles — Qualitative and quantitative analysis of some cellulose fibres (lyocell, cupro) and their blends — Part 3 : Blend quantification using spectral analysis method* (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 L 0204-2 *Glossary of terms used in fibre — Part 2 : Man-made fibres*

JIS L 1030-1 *Testing methods for quantitative analysis of fibre mixtures — Part 1 : Testing methods for fibre identification*

JIS L 1030-2 *Testing methods for quantitative analysis of fibre mixtures of textiles — Part 2 : Testing methods for quantitative analysis of fibre*