SRI LANKA STANDARD 1100 PART 4/ SECTION 2: 2018 (ISO 21033: 2016) UDC 641

METHODS OF TEST FOR HEAVY METALS IN FOOD

PART 4 – DETERMINATION OF HEAVY METALS IN ANIMAL AND VEGETABLE FATS AND OILS SECTION 2: Determination of trace elements by inductively coupled plasma optical emission spectroscopy (ICP-OES)

SRI LANKA STANDARDS INSTITUTION

Sri Lanka Standard METHODS OF TEST FOR HEAVY METALS IN FOOD PART 4 – DETERMINATION OF HEAVY METALS IN ANIMAL AND VEGETABLE FATS AND OILS

SECTION 2: Determination of trace elements by inductively coupled plasma optical emission spectroscopy (ICP-OES)

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NATIONAL FOREWORD

This Sri Lanka Standard was approved by the Sectoral Committee on Food Products and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2018-10-10

In order to accommodate a number of methods within the scope of one Standard, this Standard is published in several parts. This part of the Standard focuses on the test methods of heavy metals in animal and vegetable fats and oils and consists of two sections.

This section is identical with **ISO 21033: 2016** Animal and vegetable fats and oils – Determination of trace elements by inductively coupled plasma optical emission spectroscopy (ICP-OES), published by the International Organization for Standardization (ISO).

This section of the Standard specifies an inductively coupled plasma optical emission spectroscopic method (ICP-OES) for the determination of the trace element content in oils.

Terminology and conventions:

The text of the International Standard has been accepted as suitable for publication, without deviation, as a Sri Lanka Standard. However, certain terminology and conventions are not identical with those used in Sri Lanka Standards. Attention is therefore drawn to the following:

- a) Wherever the words "International Standard" appear referring to this Standard, it should be interpreted as "Sri Lanka Standard".
- b) The comma has been used throughout as a decimal marker. In Sri Lanka Standards it is the current practice to use the full point on the base line as the decimal marker.
- c) Wherever page numbers are quoted, they are ISO page numbers.

SLS 1100: Part 4 / Sec.2: 2018

(ISO 21033: 2016)

CROSS REFERENCES

International Standard

Corresponding Sri Lanka Standard

ISO 661, Animal and vegetable fats and oils – Preparation of test sample

SLS 313: Part 1/ Section 1, Methods for analysis of animal and vegetable fats and oils - Determination of physical characteristics -Preparation of test sample

ISO 6353-2, Reagents for chemical analysis – Part 2: Specifications – First series

No corresponding Sri Lanka Standard

ISO 6353-3, Reagents for chemical analysis –

No corresponding Sri Lanka Standard

Part 3: Specifications – Second series

INTERNATIONAL STANDARD

SLS 1100-4-2: 2018 **ISO 21033**

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Animal and vegetable fats and oils — Determination of trace elements by inductively coupled plasma optical emission spectroscopy (ICP-OES)

Corps gras d'origines animale et végétale — Détermination des éléments traces dans les corps gras par spectrométrie d'émission optique à plasma induit par haute fréquence (ICP-OES)



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