ADOPTION PROPOSAL FORM

**STA/SDV/OP/04/F1**

**KENYA BUREAU OF STANDARDS**

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| **Document Type:** | **Adoption proposal** | |
| **Dates:** | Circulation date | Closing date |
| 07/04/2022 | 06/05/2022 |
| **TC Secretary** | **This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of** PETER MUTUA | |

The Kenya Bureau of Standards intends to adopt the International Standards as detailed here below

1. **Number**: ISO 8282-1:2008

**Title:** ANIMAL AND VEGETABLE FATS AND OILS — DETERMINATION OF SOLID FAT CONTENT BY PULSED NMR — PART 1: DIRECT METHOD

**Scope**: This part of ISO 8292 specifies a direct method for the determination of solid fat content in animal and vegetable fats and oils (hereafter designated “fats”) using low-resolution pulsed nuclear magnetic resonance (NMR) spectrometry.

Two alternative thermal pre-treatments are specified: one for general purpose fats not exhibiting pronounced polymorphism and which stabilize mainly in the β′-polymorph; and one for fats similar to cocoa butter which exhibit pronounced polymorphism and stabilize in the β-polymorph. Additional thermal pre-treatments, which may be more suitable for specific purposes, are given in an informative annex.

The direct method is easy to carry out and is reproducible, but is not as accurate as the indirect method due to the approximate method of calculation.

NOTE An indirect method is specified in ISO 8292-2.

1. **Number**: ISO 8292-2:2008

**Title**: ANIMAL AND VEGETABLE FATS AND OILS — DETERMINATION OF SOLID FAT CONTENT BY PULSED NMR — PART 2: INDIRECT METHOD

**Scope:** This part of ISO 8292 specifies an indirect method for the determination of the solid fat content in animal and vegetable fats and oils (hereafter designated “fats”) using low-resolution pulsed nuclear magnetic resonance (NMR) spectrometry.

Two alternative thermal pre-treatments are specified: one for general purpose fats not exhibiting pronounced polymorphism and which stabilize mainly in the β′-polymorph; and one for fats similar to cocoa butter which exhibit pronounced polymorphism and stabilize in the β-polymorph. Additional thermal pre-treatments, which may be more suitable for specific purposes, are given in an informative annex.

The indirect method is less easy to carry out and less reproducible than the direct method, but is more accurate and more universally applicable to all fats.

NOTE A direct method is specified in ISO 8292-1.

1. **Number**: ISO 12228-1:2014

**Title**: DETERMINATION OF INDIVIDUAL AND TOTAL STEROLS CONTENTS — GAS CHROMATOGRAPHIC METHOD — PART 1: ANIMAL AND VEGETABLE FATS AND OILS

**Scope:** This part of ISO 12228 specifies a procedure for the gas chromatographic determination of the content and composition of sterols in animal and vegetable fats and oils. However, the determination of the contents and composition of sterols in olive and olive pomace oils is to be carried out using ISO 12228-2.

NOTE This part of ISO 12228 is technically identical to IOC Standard COI/T.20/Doc. No. 30 (November 2011).

1. **Number:** ISO 12228-2:2014

**Title:** DETERMINATION OF INDIVIDUAL AND TOTAL STEROLS CONTENTS — GAS CHROMATOGRAPHIC METHOD — PART 2: OLIVE OILS AND OLIVE POMACE OILS

**Scope:** This part of ISO 12228 specifies a procedure for the gas chromatographic determination of the contents and composition of sterols and triterpene dialcohols in olive and olive pomace oils. For the determination of the contents and composition of sterols in all other animal and vegetable fats and oils, ISO 12228-1 is to be used.

NOTE This part of ISO 12228 is technically identical to IOC Standard COI/T.20/Doc. No. 30 (November 2011).

Adoption acceptable as presented

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Adoption proposal not acceptable because of the reason(s) below

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Our Recommendations are as follows...............................................................................................................................

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Name and Signature (of respondent): ................................................

Position (of respondent): .....................................

On behalf of ......................................................................................... (Name of organization)

Date .........................................................................

**NOTE:** Absence of any reply or comments shall be deemed to be an acceptance of the proposal for adoption and **shall constitute an approval vote**.