**Doc No. FAD 13 (22580) F**

**IS------: 2024**

**ISO 16634-1 : 2008**

भारतीय मानक

***खाद्य उत्पाद — डूमाज़ सिद्धान्त अनुसार दहन द्वारा कुल नाइट्रोजन की मात्रा का निर्धारण और कच्चे प्रोटीन की मात्रा की गणना — तिलहन और पशु आहार सामग्री***

*Indian Standard*

**Food Products — Determination of the Total Nitrogen**

**Content by Combustion According to the Dumas Principle and Calculation of the Crude Protein Content — Oilseeds and Animal Feeding Stuffs**

ICS 65.120; 67.050; 67.200.20

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**B U R E A U O F I N D I A N S T A N D A R D S**

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NEW DELHI 110002

**September 2024 Price Group**

Oils and Oilseeds Sectional Committee, FAD 13

NATIONAL FOREWORD

This Indian standard which is identical with ISO 16634-1 : 2008 ‘Food products — Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content — Part 1 Oilseeds and animal feeding stuffs’ issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standard on recommendation of the Oils and Oilseeds Sectional Committee and approval of the Food and Agriculture Division Council.

ISO 16634 is published in two parts under the general title ‘Food products — Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content’. ISO 16634-2 : 2016 specifies a method for the determination of the total nitrogen content and the calculation of the crude protein content of cereals, pulses and milled cereal products and has been identically adopted as Indian Standard under single numbering system (IS/ISO 16634-2 : 2016), under the Test Method for Food Products Sectional Committee.

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:

1. Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
2. 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 this adopted standard, reference appears to the following International Standards for which Indian Standards also exist. The corresponding Indian Standard which is to be substituted in its place is listed below along with its degree of equivalence for the edition indicated.

|  |  |  |
| --- | --- | --- |
| *International Standard* | *Corresponding Indian*  *Standard* | *Degree of Equivalence* |
| ISO 6496 Animal feeding stuffs  — Determination of moisture and other volatile matter content | IS/ISO 6496 : 1999 Animal  Feeding stuffs —Determination of moisture and other volatile matter content | Identical |
| ISO 6498 Animal feeding stuffs  — Preparation of test samples | IS 14831 : 2021/ISO 6498 :  2012 Animal feeding stuffs  — Guidelines for sample preparation (*first revision*) | Identical |

The Technical Committee has reviewed the provisions of the following International Standards referred in the adopted standard and has decided that they are acceptable for use in conjunction with these standards:

|  |  |
| --- | --- |
| *International Standard* | *Title* |
| ISO 664 | Oilseeds — Reduction of laboratory sample to test sample |
| ISO 665 | Oilseeds — Determination of moisture and volatile matter content |
| ISO 771 | Oilseed residues — Determination of moisture and volatile matter content |

In reporting the results 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*)’.