

Second edition
2002-11-15

AMENDMENT 1
2015-11-15

**Animal feeding stuffs —
Determination of ash insoluble in
hydrochloric acid**

AMENDMENT 1

*Aliments des animaux — Dosage des cendres insolubles dans l'acide
chlorhydrique*

AMENDEMENT 1



Reference number
ISO 5985:2002/Amd.1:2015(E)

© ISO 2015

STANDARDSISO.COM : Click to view the full PDF of ISO 5985:2002/Amd 1:2015



COPYRIGHT PROTECTED DOCUMENT

© ISO 2015, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#).

Amendment 1 to ISO 5985 was prepared by ISO/TC 34, *Food products*, Subcommittee SC 10, *Animal feeding stuffs*.

STANDARDSISO.COM : Click to view the full PDF of ISO 5985:2002/Amd 1:2015

Animal feeding stuffs — Determination of ash insoluble in hydrochloric acid

AMENDMENT 1

Page 2, 6 Apparatus

Add the following part:

6.8 Ash-free filter paper.

The percentage of ash cannot exceed 0,01 % of the filter paper.

Page 3, 8.2.2.2

Replace "Filter the hot solution through an ash-free filter paper and wash the filter paper and residue with hot water until the washings are free from acid." with "Filter the hot solution through an ash-free filter paper (6.8) and wash the filter paper and residue with hot water until the washings are free from acid."

Page 4, [Table 1](#)

Replace "Crude ash insoluble in HCl" with "Ash insoluble in HCl" and correct some values of the table. Replace the unit of grams per kilogram to harmonize with the expression of the results (Clause 9) and add the units directly in the table.

Table 1 — Repeatability limit (*r*) and reproducibility limit (*R*)

Values in grams per 100g

Sample	Ash insoluble in HCl, g/100g	<i>r</i> g/100g	<i>R</i> g/100g
Fishmeal	0,82	0,08	0,23
Tapioca	3,46	0,28	0,48
Meat meal	0,86	0,08	0,19
Piglet feed	0,26	0,03	0,10
Broiler feed	0,17	0,03	0,09
Barley	0,26	0,05	0,16
Palm kernel expellers	0,60	0,08	0,11

Replace “Mean crude ash content insoluble in HCl, g/kg “ with “Mean content of ash insoluble in HCl, g/100g”, correct some values in the table, replace the unit of grams per kilogram, to be in accordance with expression of results (Clause 9) and add the explanatory note below:

NOTE ISO 5985:2002 contains incorrect figures due to miscalculation in the reproduction of the performance characteristics. The following [Table A.1](#) contains the correct numbers.

Table A.1 — Statistical results of interlaboratory tests

Parameter	Sample ^a						
	1	2	3	4	5	6	7
Mean content of ash insoluble in HCl, g/100g	0,82	3,46	0,86	0,26	0,17	0,26	0,60
Repeatability standard deviation (s_r), g/100g	0,03	0,10	0,03	0,01	0,01	0,02	0,03
Repeatability coefficient of variation, %	3,4	2,8	3,1	4,2	6,4	6,5	4,8
Repeatability limit (r), g/100g	0,08	0,28	0,08	0,03	0,03	0,05	0,08
Reproducibility standard deviation (s_R), g/100g	0,08	0,17	0,07	0,03	0,03	0,06	0,04
Reproducibility coefficient of variation, %	9,8	4,9	7,7	13,6	19,7	22,5	6,6
Reproducibility limit (R), g/100g	0,23	0,48	0,19	0,10	0,09	0,16	0,11
^a 1: fishmeal 2: tapioca 3: meat meal 4: piglet feed 5: broiler feed 6: barley 7: palm kernel expellers							