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

AMENDMENT 1

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

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ISO 5985:2002/Amd 1:2015

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

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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.”

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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							

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