INTERNATIONAL STANDARD

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AMENDMENT 1 2003-03-15

Animal and vegetable fats and oils — Determination of acid value and acidity

AMENDMENT 1: Precision data for virgin olive oil

iTeh ST Corps gras d'origines animale et végétale — Détermination de l'indice d'acide et de l'acidité

STAMENDEMENT.1. Données de fidélité relatives à l'huile d'olive vierge

<u>ISO 660:1996/Amd 1:2003</u> https://standards.iteh.ai/catalog/standards/sist/7098e601-12b9-46bf-be22-5779defc9abe/iso-660-1996-amd-1-2003



Reference number ISO 660:1996/Amd.1:2003(E)

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Foreword

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Amendment 1 to ISO 660:1996 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 11, *Animal and vegetable fats and oils*.

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Add the following title to the existing table:

Table A.1 — Results of first interlaboratory tests

Add the following after this table:

A further series of interlaboratory tests, carried out by laboratories from 12 countries, using the reference method described in Clause 4, was conducted by the Food Standards Agency, London. The results (analysed in accordance with ISO 5725) are given in Table A.2.

Table A.2 — Results for Lampante virgin olive oil

ISO 660:1996/Amd 1:200	<u>3</u> Test 1	Test 2
No. of laboratories 5779defc9abe/iso-660-1996-am	e601-12b9-46bf-be22- 28 1-1-2003	28
No. of laboratories after eliminating outliers	26	24
Overall mean value, %	3,80	19,55
Standard deviation of repeatability, s_r	0,03	0,09
Standard deviation of reproducibility, s_R	0,12	0,60
Repeatability limit, r	0,07	0,26
Reproducibility limit, R	0,33	1,67

A further series of interlaboratory tests, using the reference method described in Clause 4, was carried out by the International Olive Oil Council, Madrid. The results (analysed in accordance with ISO 5725) are given in Table A.3.

	Sample A	Sample B
No. of laboratories after eliminating outliers	37	39
Number of outlying laboratories removed	0	2
Overall mean value, %	0,604	0,343
Standard deviation of repeatability, s_r	0,012	0,007
Coefficient of variation of repeatability, %	1,92	1,92
Repeatability limit, $r (2,8 \times s_r)$	0,033	0,018
Standard deviation of reproducibility, s_R	0,035	0,019
Coefficient of variation of reproducibility, %	5,81	5,50
Reproducibility limit, R (2,8 × s_R)	0,098	0,053
Sample A: olive oil (90 % extra virgin olive oil + 10 % r	efined olive oil), 1999 analysis.	

Table A 3 - Becul	te for olivo	oil and oxtra	virgin aliva ail
Table A.3 — Resul	is for onve	oli allu extra	virgin onve on

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extra virgin olive oil, 2001 analysis. Sample B:

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