
**Rapeseed — Determination of chlorophyll
content — Spectrometric method**

*Graines de colza — Détermination de la teneur en chlorophylle — Méthode
spectrométrique*



Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10519 was prepared by Technical Committee ISO/TC 34, *Agricultural food products*, Subcommittee SC 2, *Oleaginous seeds and fruits*.

This second edition cancels and replaces the first edition (ISO 10519:1992), which has been technically revised.

Annexes A and B of this International Standard are for information only.

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Rapeseed — Determination of chlorophyll content — Spectrometric method

1 Scope

This International Standard specifies a spectrometric method for the determination of the chlorophyll content of rapeseed. It is not applicable to the determination of chlorophyll in oils.

2 Normative references

The following standards contain provisions which, through reference in this test, constitute provisions of this International Standard. At the time of the publication, the editions indicated were valid. All standards are subject to revision, and the parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 648:1977, *Laboratory glassware - One-mark pipettes.*

ISO 664:1990, *Oilseeds - Reduction of laboratory sample to test sample.*

ISO 665:1977, *Oilseeds - Determination of moisture and volatile matter content.*

3 Definition

For the purposes of this International Standard, the following definition applies.

3.1 chlorophyll content

mass fraction of substances in the sample contributing to the absorption band at a wavelength near 665 nm, as determined under the operating conditions specified in this International Standard and measured as chlorophyll A

NOTE — The chlorophyll content is expressed in milligrams per kilogram.

4 Principle

Extraction of a test portion in a suitable apparatus with a specified extraction solvent. Spectrometric determination of the chlorophyll content of the extracted solution

5 Reagent

Use only reagents of recognized analytical grade unless otherwise stated.