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# International Standard



# 5513

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Linseed for the manufacture of oil — Specification

*Graines de lin destinées à l'huilerie — Spécifications*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 5513 was developed by Technical Committee ISO/TC 34, *Agricultural food products*, and was circulated to the member bodies in April 1981.

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It has been approved by the member bodies of the following countries :

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Canada	Kenya	Thailand
Egypt, Arab Rep. of	Korea, Dem. P. Rep. of	Turkey
Ethiopia	Korea, Rep. of	United Kingdom
France	New Zealand	USA
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The member bodies of the following countries expressed disapproval of the document on technical grounds :

Czechoslovakia  
India  
Netherlands

This International Standard has also been approved by the International Union of Pure and Applied Chemistry (IUPAC).

# Linseed for the manufacture of oil — Specification

## 1 Scope and field of application

This International Standard specifies requirements for linseed for the manufacture of oil for industrial use including foodstuffs.

## 2 References

ISO 542, *Oilseeds — Sampling.*

ISO 658, *Oilseeds — Determination of impurities content.*

ISO 659, *Oilseeds — Determination of hexane extract (or light petroleum extract), called "oil content".*

ISO 664, *Oilseeds — Reduction of contract samples to analysis samples.*

ISO 665, *Oilseeds — Determination of moisture and volatile matter content.*

ISO 729, *Oilseeds — Determination of acidity of oils.*<sup>1)</sup>

ISO 3961, *Animal and vegetable oils and fats — Determination of iodine value.*

## 3 Requirements

### 3.1 Organoleptic and sanitary characteristics

Linseed shall be sound, ripe, without foreign odour (phytopharmaceutical products etc.) or any odour indicating a change in condition (mouldy, rotten, burnt odour, etc.).

The presence of living insects is not permitted.

## 3.2 Physical and chemical characteristics

See the table.

Table — Physical and chemical characteristics

Characteristic	Requirement	Method of test
Impurities		
— total, % (m/m) max.	2	ISO 658
including stones and metallic particles not passing through a sieve of nominal aperture size 1 mm; % (m/m) max.	0,2	
Moisture and volatile matter content of the product as received, % (m/m) max. *	9	ISO 665
Oil content of the product as received, expressed in relation to a moisture and volatile matter content of 9 % (m/m), % (m/m) min.	35	ISO 659
Acidity of extractable oil, expressed as oleic acid, % (m/m) max.	2	ISO 729
Iodine value of extractable oil, min.	170	ISO 3961

\* For grains intended for grinding within a short time (3 months after harvesting), a maximum value of 10 % (m/m) is acceptable.

## 4 Sampling

See ISO 542 and ISO 664.

## 5 Methods of test

Tests shall be carried out using the methods of test referred to in the table.

## 6 Packing, marking, storage and transport

Until requirements are internationally standardized, current national regulations or commercial practice shall be applicable.

1) At present at the stage of draft. (Revision of ISO/R 729-1968.)

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