

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 855

OIL OF LEMON, EXPRESSED, ITALY

1st EDITION  
October 1968

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Printed in Switzerland

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## BRIEF HISTORY

The ISO Recommendation R 855, *Oil of lemon, expressed, Italy*, was drawn up by Technical Committee ISO/TC 54, *Essential oils*, the Secretariat of which is held by the Repartição de Normalização (IGPAI).

Work on this question by the Technical Committee led, in 1965, to the adoption of a Draft ISO Recommendation.

In May 1966, this Draft ISO Recommendation (No. 939) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Argentina	France	Portugal
Australia	India	Romania
Austria	Israel	South Africa, Rep. of
Belgium	Italy	Turkey
Brazil	Japan	United Kingdom
Canada	Netherlands	U.S.S.R.
Chile	New Zealand	Yugoslavia

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in October 1968, to accept it as an ISO RECOMMENDATION.

## OIL OF LEMON, EXPRESSED, ITALY

## 1. SCOPE

This ISO Recommendation specifies certain characteristics of oil of lemon, obtained by expression, Italy, with a view to facilitating the appreciation of its quality.

## 2. DEFINITION

By *oil of lemon, expressed, Italy* is meant the oil obtained by expression, without heating, from the pericarp of the fruit of *Citrus limon* (L.) N.L. Burman, grown in Italy.

## 3. REQUIREMENTS

## 3.1 Appearance

Clear, mobile liquid, which may become cloudy at low temperature.

## 3.2 Colour

Pale yellow to pale greenish-yellow.

## 3.3 Odour

Characteristic of lemon pericarp.

## 3.4 Relative density, at 20/20 °C

Minimum : 0.852.

Maximum : 0.858.

## 3.5 Refractive index, at 20 °C

Minimum : 1.4740.

Maximum : 1.4760.

## 3.6 Optical rotation, at 20 °C

Range from + 57 to + 65°.

## 3.7 Evaporation residue

Minimum : 1.6 %.

Maximum : 3.6 %.

## 3.8 Acid value

Maximum : 1.4.

## 3.9 Content of carbonyl compounds, expressed as citral

Minimum : 3.0 %.

Maximum : 5.0 %.