

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1844

ITh STANDARD PREVIEW

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DETERMINATION OF DENSITY AT 20 °C

ISO/R 1844:1970

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BRIEF HISTORY

The ISO Recommendation R 1844, *Higher alcohols for industrial use – Determination of density at 20 °C*, was drawn up by Technical Committee ISO/TC 47, *Chemistry*, the Secretariat of which is held by the Ente Nazionale Italiano di Unificazione (UNI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1844, which was circulated to all the ISO Member Bodies for enquiry in April 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Romania
Austria	Iran	South Africa, Rep. of
Belgium	Israel	Spain
Brazil	Italy	Switzerland
Czechoslovakia	Netherlands	Turkey
France	New Zealand	U.A.R.
Germany	Peru	United Kingdom
Greece	Poland	U.S.S.R.
Hungary	Portugal	

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No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO Recommendation.

HIGHER ALCOHOLS FOR INDUSTRIAL USE

DETERMINATION OF DENSITY AT 20 °C

1. SCOPE

This ISO Recommendation describes a method for the determination of density at 20 °C of C₆ to C₁₃ alcohols for industrial use.

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2. SAMPLING

Follow the principles given in ISO Recommendation R 1844* 1970

Place the sample in a clean, dry, glass-stoppered bottle of such a size that it is nearly filled up. If it is necessary to seal this bottle, care should be taken to avoid the risk of contamination.

3. PROCEDURE

Use the method described in ISO Recommendation R 758, *Method for the determination of density of liquids at 20 °C*.

4. TEST REPORT

The test report should give the following particulars :

- (a) the reference of the method used;
- (b) the results and the method of expression used;
- (c) any unusual features noted during the determination;
- (d) any operation not included in this ISO Recommendation or regarded as optional.

* Sampling from the consignment of a chemical product will be the subject of a future ISO Recommendation.

ANNEX

This document forms one of a series of ISO Recommendations on methods of test for C₆ to C₁₃ alcohols; the complete list of Recommendations under the general title, *Higher alcohols for industrial use*, is as follows :

- ISO/R 1843 *Measurement of colour in Hazen units.*
- ISO/R 1844 *Determination of density at 20 °C.*
- ISO/R 1845 *Determination of distillation yield.*
- ISO/R 1846 *Determination of acidity to phenolphthalein.*
- ISO/R 1847 *Determination of carbonyl compounds (Hydroxylammonium chloride potentiometric method).*
- ISO/R 1848 *Determination of bromine index in the presence of mercury (II) chloride.*
- ISO/R 1849 *Determination of water content by the Karl Fischer method.*
- ISO/R 1850 *Determination of total alcohols content (Volumetric method).*
- ISO/R 1851 *Determination of ash (Gravimetric method).*
- ISO/R 1852 *Test for colour with sulphuric acid.*

NOTE. — A sample of the material not less than 750 ml is necessary to carry out the whole series of tests described in these documents.