
INTERNATIONAL STANDARD



2498

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Methyl ethyl ketone for industrial use — Examination for residual odour

Méthyl-éthyl-cétone à usage industriel — Examen de l'odeur résiduelle

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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 2498 was drawn up by Technical Committee ISO/TC 47, *Chemistry*, and circulated to the Member Bodies in September 1971.

It has been approved by the Member Bodies of the following countries :

Austria	Ireland	Spain
Belgium	Israel	Switzerland
Egypt, Arab Rep. of	Netherlands	Thailand
France	New Zealand	U.S.A.
Germany	Poland	U.S.S.R.
Hungary	Romania	
India	South Africa, Rep. of	

The Member Body of the following country expressed disapproval of the document on technical grounds :

United Kingdom

Methyl ethyl ketone for industrial use – Examination for residual odour

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1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies a method of examination for residual odour of methyl ethyl ketone (butanone) ($\text{CH}_3\text{CH}_2\text{COCH}_3$) for industrial use.

2 PRINCIPLE

Comparison of the odour of the sample with that of an agreed reference standard.

3 REAGENT

3.1 Methyl ethyl ketone, reference standard agreed between the interested parties.

4 APPARATUS

Ordinary laboratory apparatus.

5 PROCEDURE

Dip 25 mm X 75 mm strips of a rapid qualitative filter paper, free from foreign odour, to a depth of 50 mm in two beakers containing respectively the test sample and the reference standard (3.1). Allow the papers to dry in air at room temperature and examine them for difference of odour at regular intervals of a few minutes.

6 EXPRESSION OF RESULTS

If the type and intensity of the odour from the paper impregnated with the sample make it appear unpleasant when compared with that impregnated with the reference standard (3.1), report the sample as "not satisfactory".

If it is equal to or better than the reference standard, report the sample as "satisfactory".

If there is no odour on the paper after the methyl ethyl ketone has evaporated, report the sample as "without residual odour".

7 TEST REPORT

The test report shall include the following particulars :

- the reference of the method used;
- the results and the method of expression used;
- any unusual features noted during the determination;
- any operation not included in this International Standard or regarded as optional.

ANNEX

This document forms part of the following series on methods of test for methyl ethyl ketone (butanone) for industrial use :

ISO 2497 – *List of methods of test.*

ISO 2498 – *Examination for residual odour.*

ISO 2501 – *Determination of alcoholic impurities – Volumetric method.*

ISO 2887 – *Determination of acidity to phenolphthalein – Volumetric method.*

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