

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 1911

CRESYLIC ACID
FOR INDUSTRIAL USE

DETERMINATION OF *m*-CRESOL CONTENT

1st EDITION

May 1971

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BRIEF HISTORY

The ISO Recommendation R 1911, *Cresylic acid for industrial use – Determination of m-cresol content*, 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. 1911, which was circulated to all the ISO Member Bodies for enquiry in November 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

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

The following Member Bodies opposed the approval of the Draft :

Japan
Netherlands

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

ISO Recommendation

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WARNING. This material burns the skin and can be absorbed into the system through the skin. It is essential for the sampler to wear protective gloves, for example of polyvinyl chloride, and also a face shield. Inhalation of the vapours from hot material is to be avoided.

1. SCOPE

This ISO Recommendation describes a method for the determination of *m*-cresol content of cresylic acid of high *m*-cresol content for industrial use.

2. FIELD OF APPLICATION

This method is applicable to cresylic acid containing 35 to 60 % (m/m) of *m*-cresol not more than 5 % (m/m) of phenol, and not more than 35 % (m/m) of *o*-cresol determined by the procedure described in ISO Recommendation R 1910, *Cresylic acid and xylenols for industrial use – Determination of o-cresol content*, of which not more than 5 % (V/V) distils below 190 °C and not more than 95 % (V/V) distils below 208 °C when tested by the procedure described in ISO Recommendation R 1906, *Cresylic acid and xylenols for industrial use – Determination of distillation range*.

3. SAMPLING

Apply the principles given in ISO Recommendation R . . .*. The following principles should also be observed :

Place the laboratory sample representative of the material taken from the bulk in a clean, dry, dark-coloured, glass-stoppered bottle of such a size that it is nearly filled by the sample. If it is necessary to seal this bottle, care should be taken to avoid contaminating the contents.

4. PRINCIPLE

Formation of a complex between *m*-cresol and urea when excess urea is added to the dehydrated sample and determination of the crystallizing point of the complex.

* Sampling of chemical products will form the subject of a future ISO Recommendation.