
International Standard



1388/6

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Ethanol for industrial use — Methods of test — Part 6 : Test for miscibility with water

Éthanol à usage industriel — Méthodes d'essai — Partie 6 : Essai de miscibilité à l'eau

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Foreword

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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 1388/6 was developed by Technical Committee ISO/TC 47, *Chemistry*, and was circulated to the member bodies in February 1980.

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

Australia	Germany, F.R.	Romania
Austria	Hungary	South Africa, Rep. of
Belgium	India	Switzerland
Brazil	Italy	Thailand
Bulgaria	Korea, Rep. of	United Kingdom
China	Netherlands	USSR
Czechoslovakia	Philippines	
France	Poland	

No member body expressed disapproval of the document.

International Standards ISO 1388/1 to ISO 1388/12 cancel and replace ISO Recommendation R 1388-1970, of which they constitute a technical revision.

Ethanol for industrial use — Methods of test —

Part 6 : Test for miscibility with water

1 Scope and field of application

This part of ISO 1388 specifies a test for miscibility with water of ethanol for industrial use.

This document should be read in conjunction with ISO 1388/1 (see the annex).

2 Principle

Addition of water to a test portion, under specified conditions, and examination for opalescence.

3 Reagent

During the test, use only distilled water or water of equivalent purity.

4 Apparatus

Ordinary laboratory apparatus, and

4.1 Two matched Nessler cylinders, of capacity 100 ml.

5 Procedure

5.1 Test portion

Take 5 ml of the laboratory sample or a different volume agreed between the interested parties.

5.2 Test

Place the test portion (5.1) in one of the Nessler cylinders (4.1), and dilute with water to the 100 ml mark. Mix and adjust the temperature to about 20 °C. Place 100 ml of water in the other Nessler cylinder.

Examine the cylinder containing the test solution vertically for opalescence, against a black background with side illumination, using the second Nessler cylinder containing water as the standard.

6 Expression of results

Report the dilution-ratio of the test portion and the presence or absence of opalescence.