International Standard 756/3

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Propan-2-ol for industrial use — Methods of test — Part 3 : Test for miscibility with water

Propanol-2 à usage industriel — Méthodes d'essai — Partie 3 : 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 756/3 was developed by Technical Committee ISO/TC 47, *Chemistry*, and was circulated to the member bodies in October 1980.

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

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

No member body expressed disapproval of the document.

This International Standard has also been approved by the International Union of Pure and Applied Chemistry (IUPAC).

International Standards ISO 756/1, ISO 756/2 and ISO 756/3 cancel and replace ISO Recommendation R 756-1968 of which they constitute a technical revision.

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Propan-2-ol for industrial use — Methods of test — Part 3 : Test for miscibility with water

1 Scope and field of application

This part of ISO 756 specifies a test for miscibility with water for propan-2-ol for industrial use.

This document should be read in conjunction with ISO 756/1 (see the annex).

2 Principle

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

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, similar in every respect.

5 Procedure

5.1 Test portion

Take, by means of a safety pipette, 5 ml of the laboratory sample at a temperature of about 20 °C and introduce it into one of the Nessler cylinders (4.1).

5.2 Test

Add slowly, with thorough mixing, 95 ml of water to the test portion (5.1) in the Nessler cylinder. Examine for opalescence during the addition. Adjust the temperature of the mixture to 20 °C.

Examine vertically for opalescence or turbidity against a black background with side illumination, using as a standard the second Nessler cylinder containing 100 ml of water.

6 Expression of results

Report the occurrence of opalescence or turbidity or whether the solution remained clear.