

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 987

withdrawn 1981

SODIUM HYDROXIDE FOR INDUSTRIAL USE

DETERMINATION OF WATER-INSOLUBLE MATTER

1st EDITION

February 1969

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BRIEF HISTORY

The ISO Recommendation R 987, *Sodium hydroxide for industrial use – Determination of water-insoluble matter*, 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, in 1966, to the adoption of a Draft ISO Recommendation.

In December 1966, this Draft ISO Recommendation (No. 1096) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Austria	Ireland	South Africa, Rep. of
Belgium	Israel	Spain
Chile	Italy	Switzerland
Cuba	Japan	Thailand
Czechoslovakia	Korea, Dem. P. Rep. of	Turkey
France	Netherlands	U.A.R.
Germany	New Zealand	United Kingdom
Hungary	Poland	U.S.S.R.
India	Portugal	Yugoslavia
Iran	Romania	

One Member Body opposed the approval of the Draft :

U.S.A.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in February 1969, to accept it as an ISO RECOMMENDATION.

SODIUM HYDROXIDE FOR INDUSTRIAL USE

DETERMINATION OF WATER-INSOLUBLE MATTER

1. SCOPE

This ISO Recommendation describes a method for the determination of water-insoluble matter in sodium hydroxide for industrial use.

2. FIELD OF APPLICATION

The method is applicable to the determination of water-insoluble matter content equal to or greater than 0.05 % (m/m) calculated on NaOH.

3. PRINCIPLE

Dissolution of a test portion. Filtration of the solution through a tared filter crucible. Washing of the insoluble matter with water until the washings are no longer alkaline. Drying of the residue and weighing.

4. REAGENTS

Distilled water or water of equivalent purity should be used in the test.

4.1 *Phenolphthalein*, 10 g/l ethanolic solution.

Dissolve 1 g of phenolphthalein in 95 % (v/v) ethanol and dilute to 100 ml with the same ethanol.

5. APPARATUS

5.1 *Ordinary laboratory apparatus.*5.2 *Glass filter crucible*, with sintered disk of porosity between 5 and 15 μm .