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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 850

SODIUM TRIPOLYPHOSPHATE FOR INDUSTRIAL USE

Determination of matter insoluble in water

1st EDITION
October 1968

For each individual country the only valid standard is the national standard of that country.

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BRIEF HISTORY

The ISO Recommendation R 850, *Sodium tripolyphosphate for industrial use – Determination of matter insoluble in water*, 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 by the Technical Committee began in 1960 and led, in 1966, to the adoption of a Draft ISO Recommendation.

In December 1966, this Draft ISO Recommendation (No. 1111) 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	Israel	South Africa, Rep. of
Belgium	Italy	Spain
Brazil	Japan	Switzerland
Bulgaria	Korea, Dem. P.R. of	Thailand
Chile	Korea, Rep. of	Turkey
Czechoslovakia	Morocco	U.A.R.
France	Netherlands	United Kingdom
Germany	New Zealand	U.S.S.R.
Hungary	Poland	Yugoslavia
India	Romania	

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in October 1968, to accept it as an ISO RECOMMENDATION.

ISO Recommendation R 850 October 1968

SODIUM TRIPOLYPHOSPHATE FOR INDUSTRIAL USE

Determination of matter insoluble in water

1. SCOPE

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

2. PRINCIPLE

Dissolution of the test portion, separation of any insoluble matter by filtration, drying and weighing.

3. REAGENTS

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

4. APPARATUS

Ordinary laboratory apparatus and

4.1 *Filter crucible*, with sintered glass disk, porosity between 15 and 40 μm.

4.2 *Electric oven*, with natural convection, regulated at 110 ± 5 °C.

5. PROCEDURE

5.1 **Test portion**

Weigh, to the nearest 0.01 g, approximately 10 g of the test sample.

5.2 **Determination**

Place the test portion (5.1) in a beaker of suitable capacity (400 ml, for example) and dissolve in approximately 200 ml of water.

Boil the solution for about 10 minutes, cool and immediately filter under vacuum in the sintered glass crucible (4.1) previously dried at a temperature of 110 ± 5 °C for 2 hours, cooled in a desiccator and weighed. Wash the precipitate until the filtrate is phosphate-free (qualitative test).

Place the crucible in the electric oven (4.2) at a temperature of 110 ± 5 °C and keep at this temperature for 2 hours. Then remove the crucible from the oven, allow to cool in the desiccator and weigh.

The cooling time in the desiccator should be equal to that adopted for taring the empty crucible.