

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 853

SODIUM TRIPOLYPHOSPHATE AND SODIUM PYROPHOSPHATE  
FOR INDUSTRIAL USE

Determination of loss on ignition

1st EDITION  
October 1968

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## BRIEF HISTORY

The ISO Recommendation R 853, *Sodium tripolyphosphate and sodium pyrophosphate for industrial use – Determination of loss on ignition*, 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. 1114) 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	Italy	Spain
Belgium	Japan	Switzerland
Brazil	Korea, Dem. P.R. of	Thailand
Bulgaria	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	
Israel	South Africa, Rep. of	

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.

**SODIUM TRIPOLYPHOSPHATE AND SODIUM PYROPHOSPHATE  
FOR INDUSTRIAL USE**

**Determination of loss on ignition**

**1. SCOPE**

This ISO Recommendation describes a method for the determination of loss on ignition of sodium tripolyphosphate and sodium pyrophosphate for industrial use.

**2. PRINCIPLE**

Ignition of the test portion at  $550 \pm 25$  °C to constant mass.

**3. APPARATUS**

Ordinary laboratory apparatus and

3.1 *Porcelain crucible*, approximately 25 mm in diameter.

3.2 *Electric furnace*, regulated at a temperature of  $550 \pm 25$  °C.

**4. PROCEDURE**

**4.1 Test portion**

Weigh to the nearest 1 mg, approximately 5 g of the test sample, into the porcelain crucible (3.1) previously ignited at 550 °C, cooled in a desiccator and weighed.

**4.2 Determination**

Place the crucible containing the test portion (4.1) in the furnace (3.2), start heating and progressively raise the temperature to  $550 \pm 25$  °C. Maintain at this temperature for about 1 hour. Then remove the crucible from the furnace and place in a desiccator. Weigh after cooling. Repeat the heating to  $550 \pm 25$  °C to constant mass.