

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1578

TEA

DETERMINATION OF ALKALINITY OF WATER-SOLUBLE ASH

1st EDITION

August 1970

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BRIEF HISTORY

The ISO Recommendation R 1578, *Tea – Determination of alkalinity of water-soluble ash*, was drawn up by Technical Committee ISO/TC 34, *Agricultural food products*, the Secretariat of which is held by the Magyar Szabványügyi Hivatal (MSZH).

Work on this question led to the adoption of Draft ISO Recommendation No. 1578, which was circulated to all the ISO Member Bodies for enquiry in July 1968. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Spain
Brazil	Iran	Thailand
Ceylon	Israel	Turkey
Chile	Korea, Rep. of	U.A.R.
Colombia	Poland	United Kingdom
Czechoslovakia	Portugal	U.S.A.
France	Romania	U.S.S.R.
Hungary	South Africa, Rep. of	

No Member Body opposed the approval of the Draft.

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

ISO Recommendation

R 1578

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DETERMINATION OF ALKALINITY OF WATER-SOLUBLE ASH

1. SCOPE

This ISO Recommendation describes a method for the determination of the alkalinity of water-soluble ash of tea.

2. DEFINITION

By *alkalinity of the water-soluble ash* is meant either the amount of acid required to neutralize the aqueous extract of the total ash, or the amount of alkali equivalent to this acid, when determined under the conditions specified.

3. PRINCIPLE

Titration of the filtrate from the determination of water-soluble ash, with standard hydrochloric acid solution, using methyl orange as indicator.

4. REAGENTS

- 4.1 *Hydrochloric acid*, 0.1 N standard volumetric solution (see Note to clause 6.1.1).
- 4.2 *Methyl orange indicator*, containing 0.5 g of methyl orange per litre.

5. PROCEDURE

5.1 Test portion

Use the filtrate obtained from the determination described in ISO Recommendation R 1576, *Tea – Determination of water-soluble ash and water-insoluble ash*.

5.2 Determination

Cool the test portion and titrate it with the hydrochloric acid solution (4.1), using the methyl orange indicator (4.2).

Carry out two determinations using the filtrate obtained from two determinations of water-soluble ash and water-insoluble ash.