

Starch hydrolysis products — Determination of water content — Modified Karl Fischer method

The European Standard EN ISO 5381:1994 has the status of a
British Standard

UDC 664.2:543.812

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Cooperating organizations

The European Committee for Standardization (CEN), under whose supervision this European Standard was prepared, comprises the national standards organizations of the following countries:

Austria	Oesterreichisches Normungsinstitut
Belgium	Institut belge de normalisation
Denmark	Dansk Standard
Finland	Suomen Standardisoimisliito, r.y.
France	Association française de normalisation
Germany	Deutsches Institut für Normung e.V.
Greece	Hellenic Organization for Standardization
Iceland	Technological Institute of Iceland
Ireland	National Standards Authority of Ireland
Italy	Ente Nazionale Italiano di Unificazione
Luxembourg	Inspection du Travail et des Mines
Netherlands	Nederlands Normalisatie-instituut
Norway	Norges Standardiseringsforbund
Portugal	Instituto Português da Qualidade
Spain	Asociación Española de Normalización y Certificación
Sweden	Standardiseringskommissionen i Sverige
Switzerland	Association suisse de normalisation
United Kingdom	British Standards Institution

This British Standard was published under the authority of the Standards Board and comes into effect on 15 November 1994

© BSI 12-1999

The following BSI reference relates to the work on this standard:
Draft announced in *BSI News* March 1993

ISBN 0 580 23187 9

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
Foreword	2
0 Introduction	3
1 Scope and field of application	3
2 Reference	3
3 Principle	3
4 Reactions	3
5 Reagents	3
6 Apparatus	3
7 Procedure	4
8 Expression of results	5
9 Test report	5
Annex A Special syringe for adding samples in the form of viscous liquids and its method of use	6
Annex B Illustrations of Karl Fischer apparatus	7
Figure 1 — Special syringe	6
Figure 2 — General arrangement	7
Figure 3 — Platinum electrodes	8
Figure 4 — Circuit for the device for the electrometric detection of the end point	9

National foreword

This British Standard has been prepared under the direction of the BSI Standards Board and is the English language version of EN ISO 5381:1994 *Starch hydrolysis products — Determination of water content — Modified Karl Fischer method*, published by the European Committee for Standardization (CEN). It is identical with ISO 5381:1983 *Starch hydrolysis products — Determination of water content — Modified Karl Fischer method*, published by the International Organization for Standardization (ISO).

This British Standard has been produced to fulfil BSI's obligation to publish all approved European Standards but, because of the absence of interest in the UK in the subject concerned, there has been no UK participation in the preparation of EN ISO 5381.

Any queries relating to the EN should be directed to BSI.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, pages 2 to 9 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

UDC 664.2:543.812

Descriptors: Carbohydrates, starches, food starch, tests, determination of content, water, Karl Fischer reagent, test equipment

English version

Starch hydrolysis products — Determination of water content — Modified Karl Fischer method

(ISO 5381:1983)

Produits d'hydrolyse de l'amidon ou de la
féculé — Dosage de l'eau — Méthode Karl
Fischer modifiée
(ISO 5381:1983)

Stärkehydrolysenprodukte — Bestimmung des
Wassergehalts — Modifiziertes
Karl-Fischer-Verfahren
(ISO 5381:1983)

This European Standard was approved by CEN on 1994-08-22. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© 1994 Copyright reserved to CEN members

Ref. No. **Documents** E
AVA Document Sharing Hub