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Second edition
2021-01

Dentistry — Casting and baseplate waxes

Médecine bucco-dentaire — Cires pour coulée et pour plaque de base



Reference number
ISO 15854:2021(E)

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Published in Switzerland

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Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	2
5 Requirements	2
5.1 Appearance.....	2
5.2 Flow.....	2
5.3 Behaviour on trimming.....	2
5.4 Behaviour on softening (Type 1).....	2
5.5 Appearance after flaming (Type 2).....	2
5.6 Behaviour on softening (Type 2).....	3
5.7 Residue on artificial teeth (Type 2).....	3
5.8 Behaviour of colouring material (Type 2).....	3
5.9 Adhesion on storage (Type 2).....	3
5.10 Residue on ignition (Type 1).....	3
5.11 Biocompatibility.....	3
6 Sampling	3
7 Test methods — General	3
7.1 Ambient temperature.....	3
7.2 Apparatus function verification.....	4
8 Test methods — Specific	4
8.1 Visual inspection.....	4
8.2 Flow.....	4
8.2.1 Principle.....	4
8.2.2 Apparatus.....	4
8.2.3 Preparation of test pieces.....	8
8.2.4 Procedure.....	9
8.2.5 Expression of results and evaluation.....	10
8.3 Behaviour on trimming.....	10
8.3.1 Principle.....	10
8.3.2 Apparatus.....	10
8.3.3 Procedure.....	10
8.4 Behaviour on softening (Type 1).....	10
8.4.1 Principle.....	10
8.4.2 Apparatus.....	11
8.4.3 Procedure.....	11
8.5 Appearance after flaming (Type 2).....	11
8.5.1 Principle.....	11
8.5.2 Procedure.....	11
8.6 Behaviour on softening (Type 2).....	11
8.6.1 Principle.....	11
8.6.2 Apparatus.....	11
8.6.3 Procedure.....	11
8.7 Residue on artificial teeth and behaviour of wax colouring material (Type 2).....	12
8.7.1 Principle.....	12
8.7.2 Apparatus.....	12
8.7.3 Procedure.....	12
8.8 Adhesion on storage (Type 2).....	13
8.8.1 Principle.....	13

This is a preview of "ISO 15854:2021". [Click here to purchase the full version from the ANSI store.](#)

8.8.2	Apparatus.....	13
8.8.3	Procedure.....	13
8.9	Residue on ignition (Type 1).....	14
8.9.1	Principle.....	14
8.9.2	Apparatus.....	14
8.9.3	Procedure.....	14
9	Marking and packaging.....	15
9.1	Marking.....	15
9.2	Packaging.....	15
10	Test report.....	15
Annex A (informative) Determination of the melting point of wax.....		17
Bibliography.....		19

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthetic materials*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 15854:2005), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the requirement for separating paper for baseplate wax sheets has been revised;
- the statement of the requirement for residue on ignition for casting wax has been revised;
- the mass of wax used for the residue on ignition test has been increased to 10 g;
- the use of a mandrel for the delamination test has been revised;
- clarification has been given on the procedural detail in most tests;
- specification of the content of the required report has been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

This document does not include specific and quantitative requirements for freedom from biological hazards. It is recommended that, in assessing possible biological or toxicological hazards, reference be made to ISO 7405 and ISO 10993-1.