DIN EN ISO 15854:2021-05 (E)

Dentistry - Casting and baseplate waxes (ISO 15854:2021)

Contents

Page

European foreword ... **4**

Foreword ... **5**

Introduction ... **6**

1 Scope ... **7**

2 Normative references ... **7**

3 Terms and definitions ... **7**

4 Classification ... **8**

5 Requirements ... **8**
5.1 Appearance ... 8
5.2 Flow ... 8
5.3 Behaviour on trimming ... 8
5.4 Behaviour on softening (Type 1) ... 8
5.5 Appearance after flaming (Type 2) ... 8
5.6 Behaviour on softening (Type 2) ... 9
5.7 Residue on artificial teeth (Type 2) ... 9
5.8 Behaviour of colouring material (Type 2) ... 9
5.9 Adhesion on storage (Type 2) ... 9
5.10 Residue on ignition (Type 1) ... 9
5.11 Biocompatibility ... 9

6 Sampling ... **9**

7 Test methods — General ... **9**
7.1 Ambient temperature ... 9
7.2 Apparatus function verification ... 10

8 Test methods — Specific ... **10**
8.1 Visual inspection ... 10
8.2 Flow ... 10
8.2.1 Principle ... 10
8.2.2 Apparatus ... 10
8.2.3 Preparation of test pieces ... 14
8.2.4 Procedure ... 15
8.2.5 Expression of results and evaluation ... 16
8.3 Behaviour on trimming ... 16
8.3.1 Principle ... 16
8.3.2 Apparatus ... 16
8.3.3 Procedure ... 16
8.4 Behaviour on softening (Type 1) ... 16
8.4.1 Principle ... 16
8.4.2 Apparatus ... 17
8.4.3 Procedure ... 17
8.5 Appearance after flaming (Type 2) ... 17
8.5.1 Principle ... 17
8.5.2 Procedure ... 17
8.6 Behaviour on softening (Type 2) ... 17
8.6.1 Principle ... 17
8.6.2 Apparatus ... 17
8.6.3 Procedure ... 17

8.7 Residue on artificial teeth and behaviour of wax colouring material (Type 2) 18
8.7.1 Principle 18
8.7.2 Apparatus 18
8.7.3 Procedure 18
8.8 Adhesion on storage (Type 2) 19
8.8.1 Principle 19
8.8.2 Apparatus 19
8.8.3 Procedure 19
8.9 Residue on ignition (Type 1) 20
8.9.1 Principle 20
8.9.2 Apparatus 20
8.9.3 Procedure 20
9 Marking and packaging **21**
9.1 Marking 21
9.2 Packaging 21
10 Test report **21**
Annex A (informative) **Determination of the melting point of wax** **23**
Bibliography **25**