

DIN EN ISO 3107:2023-03 (E)

Dentistry - Zinc oxide-eugenol cements and non-eugenol zinc oxide cements (ISO 3107:2022)

Contents	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Classification	6
5 Requirements	6
5.1 Performance requirements.....	6
5.2 Biocompatibility.....	7
6 Sampling	7
7 Test methods	7
7.1 Preparation of test specimens.....	7
7.1.1 Ambient conditions.....	7
7.1.2 Procedure for mixing.....	7
7.2 Determination of setting time.....	7
7.2.1 Apparatus.....	7
7.2.2 Procedure.....	8
7.2.3 Treatment of results.....	8
7.3 Determination of compressive strength.....	8
7.3.1 Apparatus.....	8
7.3.2 Preparation of test specimens.....	10
7.3.3 Procedure.....	10
7.3.4 Treatment of results.....	11
7.4 Determination of film thickness.....	11
7.4.1 Apparatus.....	11
7.4.2 Procedure.....	11
7.4.3 Treatment of results.....	11
7.5 Determination of acid-soluble arsenic fraction.....	12
7.5.1 Preparation of test sample.....	12
7.5.2 Procedure.....	13
7.5.3 Compliance.....	13
8 Marking, labelling and packaging	13
8.1 Packaging.....	13
8.2 Marking and instructions for use.....	13
Bibliography	15