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Dentistry — Colour tabs for intraoral tooth colour determination

Médecine bucco-dentaire — Plaquettes de teinte pour la détermination de la teinte dentaire intra-buccale

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301	ntents	Page
Fore	eword	iv
Intr	oduction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Requirements	2
	4.1 Materials and processing	
	4.2 Appearance	2
	4.3 Uniformity	
	4.4 Cleaning and disinfection	
	4.5 Colour stability	3
5	Test method for colour measurement	
	5.1 Test devices and test equipment	
	5.1.1 Spectrophotometers	
	5.1.2 Colour tab	
	5.1.3 Countershape 5.2 Procedure	
	5.2.1 Positioning of the colour tab	
	5.2.2 Measurement parameters to be set	
	5.2.3 Number of measurements	4
	5.3 Expression of results	4
6	Information and instructions	5
	6.1 Information	
	6.2 Instructions	5
7	Marking	5
Bibl	liography <u>ISO 22598:2020</u>	6

Foreword

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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthodontic materials*.

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.

Introduction

In dentistry, colour matching, colour communication among dentist and dental technician (indirect restorations) and colour reproduction and verification are essential elements for a successful aesthetic restoration. Other important appearance attributes include translucency/opacity, gloss, opalescence and fluorescence.

Questions regarding the principles of chromatics and the individual colour perception have been controversially discussed for years between those involved. Today, various systems are available for the purpose of objectivizing tooth colour perception. The most common method is the colour comparison using reference colours being supplied in the form of shade guides consisting of tooth shaped colour tabs made of ceramic, for a dental colour system. The objective of this document is to specify test methods for such colour tabs. This document does not cover colour samples, which are produced by each manufacturer to demonstrate colour effects usually of all components of a given individually designed assortment. These colour samples are not used to determine the colour *in vivo* and are not provided in a tooth-shaped form.

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