DIN EN ISO 13299:2016-09 (E)

Sensory analysis - Methodology - General guidance for establishing a sensory profile (ISO 13299:2016)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 General test conditions ... **8**
4.1 Equipment and test room ... 8
4.2 Assessors ... 8
4.3 Products ... 9
4.4 Samples ... 9
4.5 Preliminary discussion ... 9

5 Descriptive methods: principle and main characteristics ... **10**
5.1 Consensus profile ... 10
5.2 Deviation from reference profile (relative-to-reference scaling) ... 10
5.3 Free-choice profile ... 10
5.4 Flash profile ... 10
5.5 Quantitative descriptive profile ... 10
5.6 Qualitative sensory profile ... 10
5.7 Temporal Dominance of Sensations (TDS) ... 11

6 Procedure for establishing a sensory profile ... **11**
6.1 General ... 11
6.2 Prepare the test ... 11
6.2.1 Select products for training ... 11
6.2.2 Select assessors ... 11
6.2.3 Choose the optimal attributes ... 11
6.2.4 Determine the order of evaluation ... 12
6.2.5 Select an appropriate response scale ... 13
6.2.6 Train the assessors ... 13
6.3 Conduct the test ... 13
6.3.1 Scoresheets ... 13
6.3.2 Evaluate the samples ... 13
6.4 Statistical interpretation ... 13
6.5 Study report ... 14

Annex A (informative) **Consensus profile** ... **15**

Annex B (informative) **Deviation from reference method (or relative-to-reference rating)** ... **17**

Annex C (informative) **Free-choice profile** ... **19**

Annex D (informative) **Flash profile** ... **21**

Annex E (informative) **Qualitative sensory profile** ... **23**

Annex F (informative) **Quantitative descriptive profile** ... **25**

Annex G (informative) **Temporal Dominance of Sensation (TDS)** ... **31**

Annex H (informative) **Univariate analysis when one attribute is quantified by all the assessors of a panel** ... **35**

Bibliography ... **45**