

ISO 13299:2016-03 (E)

Sensory analysis - Methodology - General guidance for establishing a sensory profile

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General test conditions	3
4.1	Equipment and test room	3
4.2	Assessors	3
4.3	Products	4
4.4	Samples	4
4.5	Preliminary discussion	4
5	Descriptive methods: principle and main characteristics	5
5.1	Consensus profile	5
5.2	Deviation from reference profile (relative-to-reference scaling)	5
5.3	Free-choice profile	5
5.4	Flash profile	5
5.5	Quantitative descriptive profile	5
5.6	Qualitative sensory profile	5
5.7	Temporal Dominance of Sensations (TDS)	6
6	Procedure for establishing a sensory profile	6
6.1	General	6
6.2	Prepare the test	6
6.2.1	Select products for training	6
6.2.2	Select assessors	6
6.2.3	Choose the optimal attributes	6
6.2.4	Determine the order of evaluation	7
6.2.5	Select an appropriate response scale	8
6.2.6	Train the assessors	8
6.3	Conduct the test	8
6.3.1	Scoresheets	8
6.3.2	Evaluate the samples	8
6.4	Statistical interpretation	8
6.5	Study report	9
Annex A (informative) Consensus profile		10
Annex B (informative) Deviation from reference method (or relative-to-reference rating)		12
Annex C (informative) Free-choice profile		14
Annex D (informative) Flash profile		16
Annex E (informative) Qualitative sensory profile		18
Annex F (informative) Quantitative descriptive profile		20

Annex G (informative) Temporal Dominance of Sensation (TDS)	26
Annex H (informative) Univariate analysis when one attribute is quantified by all the assessors of a panel	30
Bibliography	40