

# ISO 13299:2016-03 (E)

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

<b>Contents</b>		<b>Page</b>
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

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