

ISO 6658:2017-07 (E)

Sensory analysis - Methodology - General guidance

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General requirements	1
4.1	Basic information	1
4.2	Statement of objectives	2
4.3	Choice of test	2
4.4	Choosing and training assessors	3
4.5	Material to be tested	3
4.6	Test room	4
4.7	Planning and conduct of the test	4
5	Test methods	5
5.1	General	5
5.2	Discrimination tests	6
5.2.1	General	6
5.2.2	Paired comparison test	6
5.2.3	Triangle test	7
5.2.4	Duo-trio test	8
5.2.5	Two-out-of-five test	8
5.2.6	"A -- not A" test	9
5.2.7	Tetrad test	9
5.3	Use of scales and categories	10
5.3.1	General considerations	10
5.3.2	Interpretation of results	10
5.3.3	Classification	11
5.3.4	Grading	11
5.3.5	Ranking	11
5.3.6	Rating and scoring	12
5.4	Descriptive tests	12
5.4.1	General	12
5.4.2	Qualitative sensory profile	13
5.4.3	Quantitative descriptive profile	13
5.4.4	Consensus profile	15
5.4.5	Free-choice profile	15
5.4.6	Flash profile	16
5.4.7	Deviation from reference profile	16
5.4.8	Temporal dominance of sensations (TDS)	17
6	Analysis of results	17
6.1	General	17
6.2	Discrimination tests	17
6.2.1	General	17
6.2.2	Paired comparison test (see ISO 5495)	18
6.2.3	Triangle test (see ISO 4120)	19

6.2.4	Duo-trio test (see ISO 10399)	19
6.2.5	Two-out-of-five test	19
6.2.6	"A -- not A" test (see ISO 8588)	19
6.2.7	Tetrad test	19
6.2.8	Treatment of "no difference" responses in discrimination tests	19
6.2.9	Systematic effects	20
6.2.10	Sequential approach (see ISO 16820)	20
6.3	Tests using scales and categories	20
6.3.1	General	20
6.3.2	Classification	20
6.3.3	Grading (see ISO 4121)	20
6.3.4	Ranking (see ISO 8587)	20
6.3.5	Rating	21
6.3.6	Scoring	21
6.4	Analytical or descriptive tests	21
7	Test report	21
Annex A (informative) Statistical terms		23
Bibliography		25