

# ISO 16000-30:2014-09 (E)

## Indoor air - Part 30: Sensory testing of indoor air

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		vi
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms, definitions, symbols, units, and abbreviations .....</b>	<b>1</b>
3.1	Terms and definitions .....	1
3.2	Symbols, units, and abbreviations .....	3
<b>4</b>	<b>Objectives of odour evaluations and boundary conditions .....</b>	<b>3</b>
4.1	General .....	3
4.2	Clarification of the reasons for complaints from room occupants .....	4
4.3	Determination of odour intensity occurring under special conditions .....	4
4.4	Identification of sources .....	4
4.5	Checking the success of remedial activities .....	4
<b>5</b>	<b>Principle .....</b>	<b>5</b>
<b>6</b>	<b>Basic principle of the evaluation of indoor air .....</b>	<b>5</b>
6.1	Evaluation method selection .....	5
6.2	Combination of evaluation methods .....	5
6.3	Ways of testing .....	6
6.4	Selection of the way of testing .....	6
<b>7</b>	<b>Sensory test methods .....</b>	<b>7</b>
7.1	Determination of acceptability .....	7
7.2	Determination of intensity .....	9
7.3	Determination of the hedonic tone .....	11
7.4	Odour quality .....	12
<b>8</b>	<b>Measurement planning and requirements .....</b>	<b>13</b>
8.1	Selection of panel members .....	13
8.2	Selection of measuring points .....	13
8.3	Testing situation .....	14
8.4	Testing date .....	15
8.5	Odour-neutral recovery room for the panel .....	15
8.6	Sampling .....	15
8.7	Preparation of the testing log .....	16
<b>9</b>	<b>Conducting the experiment .....</b>	<b>16</b>
9.1	Preparation .....	16
9.2	On-site odour testing .....	16
9.3	Sampling and evaluation in the laboratory .....	17
<b>10</b>	<b>Assessment .....</b>	<b>18</b>
10.1	Accuracy of the sensory assessments .....	18
10.2	Interpretation of the results .....	19
<b>11</b>	<b>Documentation .....</b>	<b>19</b>

<b>AnnexA(normative)Trainingprocedureforintensityassessmentsusingacomparativescale .....</b>	<b>20</b>
<b>AnnexB(informative)Trainingprocedure--Verificationofolfactoryfunction .....</b>	<b>24</b>
<b>AnnexC(informative)Descriptionofonepossibilityofasamplingandpresentingdeviceforair samplesoutofemissionchambers .....</b>	<b>26</b>
<b>AnnexD(informative)Examplefortheset-upofacomparativescale .....</b>	<b>29</b>
<b>Bibliography .....</b>	<b>30</b>