DIN ISO 16000-44:2024-10 (E)

Indoor air - Part 44: Test method for measuring perceived indoor air quality for use in testing the performance of gas phase air cleaners (ISO 16000-44:2023)

Contents

Page

National foreword ... **3**

National Annex NA (informative) **Bibliography** ... **6**

Foreword ... **7**

Introduction ... **8**

1 Scope ... **9**

2 Normative references ... **9**

3 Terms and definitions ... **9**

4 Principle ... **10**

5 Apparatus, materials and sensory panel ... **11**

6 Test conditions ... **12**
6.1 General ... 12
6.2 Temperature and relative humidity ... 13
6.3 Supply air quality and background concentration ... 13
6.4 Air change rate ... 13
6.5 Panel members ... 13
6.6 Anterior space condition ... 13

7 Preparation ... **14**
7.1 Preparation of the odour emission source(s) ... 14
7.2 Preparation of air cleaner(s) ... 14

8 Test method ... **14**
8.1 Test chamber method ... 14
8.1.1 General ... 14
8.1.2 Step 1: Measuring the perceived air quality without operating air cleaner(s) ... 14
8.1.3 Step 2: Measuring the perceived air quality with operating air cleaner(s) ... 15
8.1.4 Determination of perceived air quality ... 15
8.1.5 Instructions ... 17

9 Efficiency ... **17**

10 Test report ... **17**

Annex A (informative) **System for quality assurance and quality control** ... **19**

Annex B (informative) **Examples of Test conditions for test chamber and air purifier** ... **21**

Annex C (normative) **Test conditions for whole-body exposure in test chamber** ... **22**

Bibliography ... **24**