DIN ISO 16000-37:2019-05 (E)

Indoor air - Part 37: Measurement of PM<(Index)2,5> mass concentration (ISO 16000-37:2019)

Contents

Page

National foreword ... **3**

Foreword ... **5**

Introduction ... **6**

1 Scope ... **7**

2 Normative references ... **7**

3 Terms and definitions ... **7**

4 Abbreviated terms ... **9**

5 Measurement strategy for determing $PM_{2,5}$ indoors ... **9**
5.1 Location and number of sampling points ... 9
5.2 Measurement strategy for source attribution ... 10
5.3 Indoor air condition ... 10

6 Principle of measurement ... **10**
6.1 General considerations ... 10
6.2 Description of the standard measuring principle ... 10

7 Equipment and facilities ... **11**
7.1 Sampling system components ... 11
7.2 Weighing facilities and procedure ... 11

8 Supplementary high time resolution method ... **11**
8.1 General ... 11
8.2 Selection of the supplementary instrument ... 12
8.3 Supplementary procedure ... 12

9 Evaluation and reporting the results ... **12**

10 Quality assurance and uncertainty evaluation ... **13**
10.1 Reference method ... 13
10.1.1 General ... 13
10.1.2 Flow control system ... 13
10.1.3 Weighing system ... 13
10.1.4 Checking the equipment's parameters ... 13
10.2 Supplementary methods ... 14

Annex A (informative) **Examples of particle concentrations encountered during room user activities** ... **15**

Bibliography ... **17**