# ISO 12219-6:2017-02 (E)

## Interior air of road vehicles - Part 6: Method for the d etermination of the emissions of semi-volatile organic compounds from vehicle interior parts and materials at higher temperature - Small chamber method

## Contents

Page


Foreword ..... v

Introduction ..... vi

1 Scope ..... 1

2 Normative references ..... 1

3 Termsanddefinitions ..... 2

4 Symbols ..... 2

5 Principle ..... 2

6 Emission test bed preparation ..... 3
6.1 General ..... 3
6.2 Small chamber ..... 3
6.2.1 General ..... 3
6.2.2 Materials ..... 3
6.2.3 Tightness ..... 4
6.2.4 Air mixing ..... 4
6.2.5 Cleaning ..... 4
6.3 Small chamber temperature control ..... 4
6.4 Air humidification ..... 4
6.5 Clean air supply ..... 5

7 Quality control ..... 5
7.1 General ..... 5
7.2 Airtightness ..... 6
7.2.1 General ..... 6
7.2.2 Alternative procedure 1 ..... 6
7.2.3 Alternative procedure 2 ..... 6
7.3 Recovery and sink effects ..... 6
7.4 Supply air ..... 7
7.4.1 General ..... 7
7.4.2 Background concentration values ..... 7
7.4.3 Temperature and humidity ..... 8

8 Test specimen ..... 8
8.1 General ..... 8
8.2 History of the test specimen ..... 8
8.3 Packaging, transport and storage of the test specimen ..... 8

9 Standard emission test procedure ..... 9
9.1 General ..... 9
9.2 Cleaning and purification ..... 9
9.3 Test ..... 9
9.3.1 General ..... 9
9.3.2 Preconditioning the sample prior to test ..... 9

9.3.3 Preparation ..... 10
9.3.4 Cleaning -- Phase 1 ..... 10
9.3.5 Preconditioning -- Phase 2 ..... 10
9.3.6 Background concentration sampling -- Phase 3 ..... 10
9.3.7 Inserting the test specimen -- Phase 4 ..... 10
9.3.9 Heating up and conditioning at 100 °C -- Phase 6 ..... 10
9.3.10 Air sampling at 100 °C -- Phase 7 ..... 11
9.3.11 End of testing ..... 11

10 Determination of VOCs at 65 °C and SVOCs at 100 °C in one run ..... 12

11 Calculation of the emission rate ..... 12

12 Test report ..... 12

13 Quality assurance/quality control (QA/QC) ..... 14

Annex A (informative) Typical test conditions and example for the experimental setup ..... 15

Bibliography ..... 17