

DIN ISO 12219-3:2013-12 (E)

Interior air of road vehicles - Part 3: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials - Micro-scale chamber method (ISO 12219-3:2012)

Contents		Page
National foreword		3
National Annex NA (informative) Bibliography		5
Introduction		7
1	Scope	8
2	Normative references	8
3	Terms and definitions	9
4	Principle	9
5	Apparatus	9
6	Test conditions	10
6.1	Temperature	11
6.2	Air or gas flow rate through the micro-scale chamber	11
6.3	Quality of supplied air or gas and background concentration of organic vapours	11
6.4	Control measures	11
7	Test specimens	11
7.1	General	11
7.2	Preparation of the test specimen	12
8	Cleaning micro-scale chamber components	12
9	Test method	12
9.1	Sampling media	12
9.2	Measuring background concentrations	13
9.3	Vapour sampling	13
9.4	Sealing the vapour sampling devices after gas sample collection	13
9.5	Analysis of vapour sampling devices	13
9.6	Storage of the test specimen between emissions tests (if required)	13
9.7	Cleaning the micro-scale chamber after use	13
10	Calculation of vapour concentrations and specific emission rates	14
11	Test report	15
12	Quality assurance/quality control	16
Annex A (informative) Micro-scale chamber principles		17
Annex B (informative) Micro-scale chamber -- Example 1		19
Annex C (informative) Micro-scale chamber -- Example 2		21

Annex D (informative) Micro-scale chamber -- Example 3	23
Annex E (informative) Assessment of VOC recoveries	25
Annex F (informative) Calculation of specific emission rates from micro-scale chamber air concentration	26
Bibliography	28