

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-17433-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 10.06.2021

Date of issue: 10.06.2021

Holder of certificate:

Olfasense GmbH
Schauenburgerstraße 116, 24118 Kiel

Tests in the fields:

**Sampling and measurement of odour emissions and measurement of odour immissions;
Immission impact forecast; Determination of the odour intensity and the hedonic tone of air
samples; Polarity profiles, Conditioning and testing the sample container; Determination of odour
emissions from building products using test chambers; Determination of the odour characteristics of
materials;
Module Immission Control**

**The testing laboratory is permitted, without being required to inform and obtain prior approval
from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.
The testing laboratory maintains a current list of all testing methods within the flexible scope of
accreditation.**

*The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of
testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the
principles of DIN EN ISO 9001.*

*The certificate together with the annex reflects the status as indicated by the date of issue.
The current status of any given scope of accreditation may be found respectively in the database of accredited bodies of
Deutsche Akkreditierungsstelle GmbH <https://www.dakks.de/en/content/accredited-bodies-dakks>.*

Abbreviations used: see last page

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This document is a translation. The definitive version is the original German annex to the accreditation certificate.

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**1 Areas of activity within the field of Federal Immission Control Act
Methods according to Module Immission Control**

Measurement method according to Module Immission Control and appendix A2 of VDI 4220. This confirms the fulfillment of the requirement of CEN/TS 15675: 2007.

The requirements for the emission measurements according to DIN EN 15259: 2008 (Measurement of stationary source emissions - Requirements for measurement sections and sites and for the measurement objective, plan and report) are fulfilled.

Testing area:	Group I.1: Determination of emissions		
	Task area O: Odours		
Component	Standard / Directive / Technical Rule	SRM	Comment location
Source	Odours		
Active area source	DIN EN 13725:2003-03 (corr. 2006-04); VDI 3880:2011-10; VDI 3884 Part 1:2015-02	<input checked="" type="checkbox"/>	
Passive area source	DIN EN 13725:2003-03 (corr. 2006-04); VDI 3880:2011-10; VDI 3884 Part 1:2015-02	<input checked="" type="checkbox"/>	
Industrial point source	DIN EN 13725:2003-03 (corr. 2006-04); VDI 3880:2011-10; VDI 3884 Part 1:2015-02	<input checked="" type="checkbox"/>	

Testing area:	Group IV: Determination of immissions		
	Task area O: Odours		
Component	Standard / Directive / Technical Rule	SRM	Comment location
Source	Odours		
Field inspection Grid method	DIN EN 16841-1:2017 VDI 3940 Part 1:2006-02	<input checked="" type="checkbox"/>	
Field inspection Plume method	DIN EN 16841-2:2017-03	<input type="checkbox"/>	<i>(Remark: Static method only)</i>
Odour intensity and hedonic odour tone	VDI 3940 Part 3:2010-01 (corr. 1:2011-08)	<input type="checkbox"/>	
Hedonic odour tone - polarity profile	VDI 3940 Part 4:2010-06	<input type="checkbox"/>	

The methods corresponds to the requirements of the
"special proof of competence in the area of immission control"
"LAI Module Immission Control" (updated by the L/W/V in the version of 30th January, 2018).

Competence in the testing and technical task areas

Group I. No. 1: O and Group IV: O

subject to immission control legislation is hereby confirmed.

2 Determination of odour concentration

DIN EN 13725 Air quality - Determination of odour concentration by dynamic
2003-07 olfactometry
(Corrigenda 2006-04)

3 Determination of the odour intensity and the hedonic tone of air samples

M-AA17 In-house method for the determination of the odour
2014-07 intensity and the hedonic tone of air samples

VDI 3882 Bl. 1 Olfactometry; Determination of Odour Intensity
1992-10

VDI 3882 Bl. 2 Olfactometry; Determination of Hedonic Odour Tone
1994-09

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3 Determination of the hedonic odor effect

VDI 3940 Bl. 4 Determination of the hedonic odour tone - Polarity profiles
2010-06

4 Immission impact forecast

Quality Criteria on how to perform and represent dispersion calculations according to the Technical Instructions on Air Quality Control (TA Luft) and the German Guideline on Odour in Ambient Air (GOAA)

VDI 3783 Bl. 13 Environmental meteorology –
2010-01 Quality control concerning air quality forecast –
 Plant-related pollution control –
 Dispersion calculation according to TA Luft

6 Conditioning and testing the sample container

P-AA02 Preparation and testing the sample container material
2019-06

P-AA02a Production and testing the sample container
2019-06

7 Determination of odour emissions from building products using test chambers

DIN ISO 16000-28 Indoor air –
2012-12 Part 28: Determination of odour emissions from
 building products using test chambers

ISO 16000-9 Indoor air –
2008-04 Part 9: Determination of the emission of volatile organic
 compounds from building products and furnishing –
 Emission test chamber method

ISO 16000-11 Indoor air –
2006-06 Part 11: Determination of the emission of volatile organic
 compounds from building products and furnishing –
 Sampling, storage of samples and preparation of test
 specimens

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8 Determination of the odor characteristics of materials

VDA 270 2018-06	Determination of the odour characteristics of trim materials in motor vehicles
PV 3900 2019-04	Components in passenger compartment; Odor test

Abbreviations used:

CEM	Continuous Emission Monitoring
CEN/TS	Comité Européen de Normalisation/Technical Specification
DIN	Deutsches Institut für Normung e. V.
EN	European Normative
GOAA	<i>Guideline on Odour in Ambient Air</i> (Geruchsimmissions-Richtlinie GIRL)
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
LAI	Federal / State Working Group on Immission Control
M-xxxx	In house method of the Olfasense GmbH
P-xxxx	In house method of the Olfasense GmbH
PV	Standard of Volkswagen AG
SRM	Standard Reference Method
TA	Technical Instructions
VDI	Verein Deutscher Ingenieure