

Your approved laboratory for PV 3942 measurements

olfasense ::::

From Odour Data to Odour Knowledge

Renowned odour and emission testing services

Olfasense is an accepted service laboratory of Volkswagen to perform tests according to PV 3942. This testing method is used to characterize the VOC and odour emission behaviour of parts, components, and semi-finished products used in the vehicle interior.

The test includes chemical analysis combined with odour assessment based on PV 3900.

Our PV 3942 tests are carried out using Olfasense VOC emission test chambers, which allow characterization of the emissions of volatile organic compounds under precise test conditions, and are fully compliant with the PV 3942 requirements.

The chemical analysis is performed on the basis of ISO 16000-6 in our cutting-edge GC-Sniffing-MS laboratory, while the HPLC analysis is performed on the basis of ISO 16000-3.

We work with accurately selected and trained odour panellists to carry out the PV 3942 odour assessment.

Last but not least, you will receive a meaningful and comprehensible report.



APPROVED LABORATORY

Quality assurance through interlaboratory comparisons

The PV 3942 is recognized as one of the most relevant emission testing methods required by Volkswagen. So you want to be sure that our PV 3942 analysis is consistently robust and accurate. We are therefore pleased to report that in the 2020 Volkswagen proficiency test, the deviation of our laboratory averaged 4.4% from the expected result range, meeting the target deviation of <30%.

Find out more on www.olfasense.com

We have more to offer!

Olfasense is your one-stop provider for odour testing in vehicle interiors.

Olfasense is accredited for both the VDA 270 as well as PV 3900 measurement methods, and we are also an approved laboratory for odour measurements of various automotive manufacturers.

But there is more we have to offer. Besides our automotive odour and emission testing services, we assist our clients with a number of additional services and equipment:

- Olfasense is an accredited provider of the VDA 270 proficiency test.
- Olfasense also organizes proficiency tests for determining VOC emissions and odours in the automotive industry.
- Olfasense can provide you with VDA 270 training kits.
- Olfasense can provide you with sniffing sticks for panel selection and training according to common standards (for example ISO 12219-7).
- Olfasense is manufacturer of the 1 m³ VOC emission test chamber EK1000 and the 250 L VOC test chamber EK250A.
- Olfasense can also provide you with customized training courses to capacitate your internal sensory panel on odour testing techniques defined in several automotive standards.

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Relevant, valuable answers

We will make sure to create a PV 3942 study that will provide relevant, valuable information for you.

Your final PV 3942 inspection report will contain all the required documentation as described in chapter 9 of PV 3942, including:

- Details of the tested samples (DUT), plus photo-documentation
- Description of procedures, including details of preconditioning and measurement, as well as test settings (along with temperature and relative humidity curves)
- Results, including comparison with the listed limit values and indication of fulfilment of the standard criteria, along with:
 - » FID total carbon curve of the corresponding measurement
 - » Chromatogram of the GC-MS measurement for determination of VOCs
 - » Chromatogram of the HPLC analysis for determination of aldehydes
 - » Details of the results for the odour measurement according to PV 3900

