



valid until: October 1, 2030

Fraunhofer

TESTED[®] DEVICE

PULS GmbH
CW1000

Report No. PU 2507-1644

DUPLICATE

Statement of
Qualification

Single product
Outgassing Behavior
VOC/SVOC

Statement of Qualification · Single product

Customer
 PULS GmbH
 Elektrastrasse 6
 81925 Munich
 Germany

Tested product

Category: Working Place and Operator

Subcategory: Work Equipment

Product name: CW1000
 consisting of:
 • CW1000.WALL (manufacturing date: 4/2025; article number: 101528; serial number: 01154890)
 • CW1000.SEPA (manufacturing date: 7/2025; serial number: 1100238432)
 • CW1000.MOCHA (manufacturing date: 7/2025; serial number: 1100230353)

Emission measurements with purge-and-trap thermodesorption method and gas chromatography combined with mass spectrometry (TD-GC/MS)

Standards/guidelines: ISO 14644-8, -15
 The norms stated generally refer to the version valid at the time of the tests.

Test equipment: Measuring station:PerkinElmer Clarus 600, Clarus SQ8 ATD 650

Test procedure parameters:

- Retention range (VOC): C6 to C16
- Outgassing test temperature: 23 °C
- Duration of preconditioning: > 10h
- Flow rate purge gas: 100 l/h
- Flow rate sampling gas: 10 l/h
- Duration of sampling: 60 min
- Volume of the emission cell: 100l
- Emission cell material: stainless steel

Test result / Classification

The outgassing behavior of the inductive charger system CW1000 consisting of CW1000.WALL, CW1000.SEPA and CW1000.MOCHA at the stated temperatures was investigated according to ISO 14644-15. Based on the outgassing rates determined for the specific equipment, the following classification was made for the corresponding Contaminant Category:

| Contaminant Category (x) | SER _u ¹⁾ 23 °C [g/unit · s] | ISO ACC _e Class (x) based on 23 °C |
|--------------------------|---|---|
| VOC | 1.9 x 10 ⁻⁹ | -8.7 |
| SVOC | < 2.8 x 10 ⁻¹² | < -11.6 |
| Refractories | 1.8 x 10 ⁻¹⁰ | -- |
| Siloxanes | 9.4 x 10 ⁻¹¹ | -- |

¹⁾SER_u: Unit-specific emission rate

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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Business unit Testing and Certification

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 Report No. current document

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 Place, current date

Nobelstrasse 12
 70569 Stuttgart
 Germany

on behalf of 
 Dr.-Ing. Frank Bürger, head of business unit Testing and Certification



This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under www.tested-device.com.