

# Fraunhofer

# TESTED<sup>®</sup> DEVICE

PULS GmbH CW1000

Report No. PU 2507-1644

Statement of Qualification

Single product

Outgassing Behavior

Ammonia





## **Statement of Qualification** • Single product

Customer **PULS GmbH** 

> Elektrastrasse 6 81925 Munich Germany

**Tested product** 

Product name:

Working Place and Operator Category:

Work Equipment Subcategory

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 chamber measurements with impingement in combination with ion chromatography (IC)

Standards/guidelines:

Test equipment:

Sample storage:

The norms stated generally refer to the version valid at the time of the tests.

- Measuring station: Metrohm Professional IC 850 • Sampling chamber: ..... stainless steel emission cell with V = 1001
- Pre-conditioning:
- Cleanroom Air Cleanliness Class (according to ISO 14644-1):.......... ISO 1 - Airflow type: ..... vertical laminar flow - Purified air: ..... ......VOC-filtered

Test procedure parameters:





### Test result/Classification

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

Contaminant	SER <sub>u</sub> 1) 90°C	ISO-ACC <sub>e</sub> Class (x)
Category (x)	[g/unit·s]	based on 23°C
Ammonia (NH <sub>3</sub> )	< 2.9 x 10 <sup>-11</sup>	< -10.5

<sup>1)</sup> SER .: 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

Business unit Testing and Certification

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on behalf of RT Bris

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