

Fraunhofer

TESTED® DEVICE

GERFLOR GTI EL5

Report No. GE 1505-762

Statement of Qualification

Outgassing Behavior (Inorganic Acids)





Statement of Qualification

Customer **GERFLOR** ZI du Bois des Lots 26130 SAINT PAUL TROIS CHATEAUX **Component tested** Cleanroom Facilities Category: Subcategory: Wall, Ceiling, Floor GTI EL5 Product name: (date of manufacturing: 2/4/2015; color: light grey; batch number: 0501402) Emission chamber measurements with gas impaction in combination with ion chromatography (IC) Standards/Guidelines: ISO 14644-8; VDI 2083-17; VDI 2452 (Impingement); ISO 10304-1 (Anions) The norms stated refer to the relevant editions applicable at the time of the tests. Measuring station:.....Metrohm Professional IC 850 Test devices: • Sampling chamber:......Markes International μCTE Sample storage: Test procedure parameters:



Test result/Classification

The outgassing behavior of GTI EL5 at the stated temperatures was investigated according to VDI 2083-17. Based on the outgassing rates determined for the specific surfaces, the following material classification was made for the corresponding contaminant group:

Test temperature	Contaminant group	Specific emission rate [g/m²s]	ISO-ACC _m Class (X)
23°C	Inorganic acids (ac)	< 5.8 x 10 ⁻¹⁰	<-9.2
90°C	Inorganic acids (ac)	7.2 x 10 ⁻⁹	

The detection limit at the time of the test was ISO-ACC_m Class = -9.2 (ac). The ISO-ACC_m Class (x) was assigned for the named contaminant group x at the test temperature of 23 °C (room temperature).

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.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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