



Fraunhofer

**TESTED[®]
DEVICE**

Tarkett AB
iQ Granit

Report No. TA 1411-738

DUPLICATE

Statement of
Qualification

Outgassing Behavior

Statement of Qualification

Customer: Tarkett AB
Ekenäsvägen 1
37281 Ronneby
Sweden

Component tested

Category: Cleanroom Facilities

Subcategory: Wall, Ceiling, Floor

Product name: iQ Granit
(manufacturing date: 30/10/2014; color: 3040422/grey-white;
serial number: 2143340)

Test result / Classification:
(in acc. with ISO 14644-8; VDI 2083-17)

The outgassing behavior of the named material 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 tempe- rature	Contaminant group	Specific emission rate [g/m²s]	ISO-ACC _m - Class (x)
23 °C	Inorganic acids (ac)	< 7.2 x 10 ⁻¹⁰	-9.1
90 °C	Inorganic acids (ac)	Not detectable	--

The detection limit at the time of the test was ISO-ACC_m Class = -9.1 (ac). The ISO-ACC_m Class (x) was assigned for the named contaminant group x at the test temperature of 23 °C (room temperature).

Emission chamber measurements with gas impaction combined 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.

Testing equipment:

- Measuring station:.....Metrohm Professional IC 850
- Sampling chamber:.....Markes International µCTE

Sample storage:

- Age of sample:8 days (23 °C measurement)
- Age of sample:18 days (90 °C measurement)

Test parameters used: Outgassing test temperatures: 23 °C and 90 °C

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.