



Fraunhofer

**TESTED[®]
DEVICE**

Tarkett AB
iQ Granit

Report No. TA 1501-744

DUPLICATE

Statement of
Qualification

Chemical Resistance

Statement of Qualification

Customer: Tarkett AB
Ekenäsvägen 1
372 73 Ronneby
Sweden

Component tested

Category: Cleanroom Facilities

Subcategory: Wall, Ceiling, Floor

Product name: iQ Granit
(manufacturing date: 27/11/2014; color: 383|grey; serial number: 3040383; batch number: 2151767)

Chemical resistance test

Standards/Guidelines: ISO 2812-1
The norms stated refer to the relevant editions applicable at the time of the tests.

Testing equipment:

- Microscope
- Camera

Test environment parameters: Temperature:22°C ± 0.5°C

Test procedure parameters:

- Immersion method
- Chemicals:..... Formalin 37 %
..... Ammoniac 25 %
..... Hydrogen peroxide 30 %
..... Sulfuric acid 5 %
..... Phosphoric acid 30 %
..... Peracetic acid 15 %
..... Hydrochloric acid 5 %
..... Isopropanol 100 %
..... Sodium hydroxide 5 %
..... Sodium hypochlorite 5 %
- Incubation time: 1 h, 3 h, 6 h, 24 h

Test result / Classification:
(in acc. with ISO 4628-1/VDI 2083-17)

Chemical resistance	1 h	3 h	6 h	24 h
Formalin 37 %	0	0	0	0
Ammoniac 25 %	0	0	0	0
Hydrogen peroxide 30 %	0	0	0	0
Sulfuric acid 5 %	0	0	0	0
Phosphoric acid 30 %	0	0	0	0
Peracetic acid 15 %	0	1	1	2
Hydrochloric acid 5 %	0	0	0	0
Isopropanol 100 %	0	0	0	3
Sodium hydroxide 5 %	0	0	0	0
Sodium hypochlorite 5 %	0	0	0	0
Classification	1/very good			

Chemical resistance has been classified on the basis of a worst-case consideration. In the process, damage was assessed according to the classification system used in ISO 4628-1 and VDI 2083-17:

0 = excellent 3 = weak
1 = very good 4 = very weak
2 = good 5 = none

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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and Micromanufacturing

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Place, date of first document issued

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Place, current date

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