



Fraunhofer

**TESTED[®]
DEVICE**

Roche Diagnostics GmbH
PQ18 granite
Report No. RO 1608-853

DUPLICATE

Statement of
Qualification

Chemical Resistance

Statement of Qualification

Customer
Roche Diagnostics GmbH
Sandhofer Strasse 116
68305 Mannheim
Germany

Component tested

Category: Materials
Subcategory: Stone/Stoneware
Product name: PQ18 granite

Chemical resistance test

Standards/Guidelines: ISO 2812-1
The norms stated generally refer to the version valid 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:.....Purified water 100 %
.....Ethanol 100 %
– Incubation time: 1 h, 3 h, 6 h, 24 h

Test result / Classification

The chemical resistance of the PQ18 granite was classified according to ISO 4628-1 and VDI 2083-17 with the following result:

Chemical resistance	1 h	3 h	6 h	24 h
Purified water 100 %	0	0	0	0
Ethanol 100 %	0	0	0	0

The classification is based on 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
1 = very good
2 = good
3 = weak
4 = very weak
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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on behalf of 
Frank Bürger, Project Manager Fraunhofer IPA