



Fraunhofer

**TESTED[®]
DEVICE**

Roche Diagnostics GmbH
Corian DuPont
Report No. RO 1702-881

DUPLICATE

Statement of
Qualification

Chemical Resistance

Statement of Qualification

Customer
 Roche Diagnostics GmbH
 Sandhofer Strasse 116
 68305 Mannheim
 Germany

Component tested

Category: Materials
 Subcategory: Plastics
 Product name: Corian DuPont
 (color: white)

Chemical resistance test

Standards/Guidelines: VDI 2083 Part 17; ISO 2812-1; ISO 4626-1
 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 Corian DuPont was classified according to ISO 4628-1 and VDI 2083 Part 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 Part 17:

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

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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