



**Fraunhofer**

**TESTED<sup>®</sup>  
DEVICE**

DAMPA ApS  
Clip In ST 15 Tex  
**Report No. DA 1607-837**

DUPLICATE

Statement of  
Qualification

Chemical Resistance

# Statement of Qualification

## Customer

DAMPA ApS  
Højeløkkevej 4a  
5690 Tommerup  
Denmark

## Component tested

Category: Cleanroom Facilities  
Subcategory: Wall, Ceiling, Floor  
Product name: Clip In 600 x 600 ST 15 Tex  
(manufacturing date: 16/6/2016; color: RAL 9010; serial number: 404710; batch number: 110985)

## Chemical resistance test

Standards/Guidelines: ISO 2812-1; VDI 2083-17; ISO 4628-1  
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: ..... 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

The chemical resistance of the ceiling system Clip In 600 x 600 ST 15 Tex 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
Formalin 37 %	0	0	0	0
Ammoniac 25 %	0	0	0	0
Hydrogen peroxide 30 %	0	5	5	5
Sulfuric acid 5 %	0	0	5	5
Phosphoric acid 30 %	0	0	0	5
Peracetic acid 15 %	5	5	5	5
Hydrochloric acid 5 %	0	5	5	5
Isopropanol 100 %	0	0	0	0
Sodium hydroxide 5 %	0	0	0	5
Sodium hypochlorite 5 %	1	2	4	4

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                      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

Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12  
70569 Stuttgart  
Germany

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Place, date of first document issued

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Place, current date

on behalf of   
Frank Bürger, Project Manager Fraunhofer IPA