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TESTED[®] DEVICE

Pepperl+Fuchs SE

VisuNet FLX

Report No. PE 2604-1760

DUPLICATE

Statement of
Qualification

Single product
Riboflavin Test
(Equipment)

Customer

Pepperl+Fuchs SE
Lilienthalstrasse 200
68307 Mannheim
Germany

Tested product

Category:

Working Place and Operator

Subcategory:

Work Equipment

Product name:

VisuNet FLX
(manufacturing date: 9/30/2024; serial number: 40000183779578)

Cleanability test (riboflavin test)

Standards/guidelines:

VDMA information sheet »Riboflavin test for low-germ or sterile process technologies – Fluorescence test for examination of cleanability«. The norms stated generally refer to the version valid at the time of the tests.

Test environment parameters:

Laboratory

Test procedure parameters:

• Test solution:0.2 g riboflavin, 1 g hydroxethylcellulose
.....in 1000 ml ultrapure water

• Application of test solution:..... pump spray

• Drying time: approx. 2-3 h

• Cleaning method:..... wiping

• Cleaning medium:ultrapure water

• Number of wiping cycles: 3

• UV-light:λ = 366 nm

The cleanability is examined and assessed qualitatively.

Test result / Classification

The HMI VisuNet FLX can be cleaned using a simple wiping procedure with ultra-pure water.

Classification

weak

The fluorescence test identified several critical areas. It is extremely difficult to clean these areas effectively. So, they have to be cleaned especially thoroughly or using a more complex procedure, e.g. by removing certain parts before cleaning.

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.

 **Fraunhofer**
IPA

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Business unit Testing and Certification

Nobelstrasse 12
70569 Stuttgart
Germany

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Report No. current document

on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

Stuttgart, June 30, 2026

Place, date of first document issued

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Place, current date

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