

Fraunhofer

TESTED® DEVICE

icotek GmbH KEL-U-B CR **Report No. IC 2104-1222**

Statement of Qualification

Product series

Particle Emission





Statement of Qualification • Product series

Customer icotek GmbH

Bischof-von-Lipp-Strasse 1

73569 Eschach Germany

Component tested

Cleanroom Facilities Category:

Subcategory: Wall / Ceiling / Floor / Door

KEL-U-B CR with cable grommets type KTxx-CR Product name:

• Split cable entry frame KEL-U B1 CR black (manufacturing date:

5/5/2021)

Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:

The norms stated generally refer to the version valid at the time of the tests.

Test devices: Optical particle counter:

LasAir II 110 and LasAir III 110 with measuring ranges \geq 0.1 μ m, \geq 0.2 μ m,

 \geq 0.3 µm, \geq 0.5 µm, \geq 1.0 µm and \geq 5.0 µm

Test environment parameters:

• Airflow pattern: vertical laminar flow

The split cable entry frame was subjected to stress as follows: Test procedure parameters:

> • Structure-borne noise: approx. 50 Hz

Test result/Classification

When operated under the specified test conditions, the split cable entry frame series KEL-U-B CR with cable grommets type KTxx-CR is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanlines Class
Structure-borne noise = approx. 50 Hz	
Overall result	1

Please note: Transport damages, incorrect installation, aging behavior etc. can influence the test result.

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.

on behalf of River

Detailed information and parameters of the test environment can be found in 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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www.tested-device.com.

This document only applies to the named

product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under

