



Fraunhofer

TESTED[®] DEVICE

HELUKABEL GmbH
Series CLEANFLEX-HF
Report No. HE 1204-594

Qualification Certificate

This is to certify that the product mentioned above, provided by

HELUKABEL GmbH
Hemmingen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number HE 1204-594.

The series CLEANFLEX-HF is suitable for use in cleanrooms fulfilling Air Cleanliness Class 3 according to ISO 14644-1.


The following specific emission rates were detected:

Test temperature	Contaminant group	Specific emission rates [g/m ² s]	ISO-AMC _m class (x)
23°C	VOC	< 8.2 x 10 ⁻¹⁰	< -9.1
90°C	VOC	< 4.9 x 10 ⁻⁹	--

The detection limit during measurement amounts ISO-AMC_m class -9.1 (VOC). The ISO-AMC_m class (x) for the corresponding contamination group x is only awarded for the measurement at 23°C (room temperature).

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

Stuttgart, July 13, 2012

i.A. 
Project manager

DUPLICATE

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.

Further information:
www.tested-device.com