



Fraunhofer

TESTED[®] DEVICE

Bahr Modultechnik GmbH
Linear unit QSZ 80
Report No. BA 1611-858

Particle Emission

Qualification Certificate

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

Bahr Modultechnik GmbH
Luhden, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number BA 1611-858.

When operated under the specified test conditions, the linear unit QSZ 80 with vacuum extraction is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$	1
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	1
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	4
Overall result	4

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

Stuttgart, December 9, 2016

on behalf of 
Frank Bürger, Project manager Fraunhofer IPA

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