



valid until: October 2, 2029

Fraunhofer

TESTED[®] DEVICE

Knauf Ceiling Solutions
METAL BioGuard unperforated
Report No. KN 2405-1523

Single product Particle Emission

DUPLICATE

Qualification Certificate

This is to certify that the product mentioned above, provided by
Knauf Ceiling Solutions GmbH & Co. KG
Grafenau, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number KN 2405-1523.

The ceiling system METAL BioGuard unperforated (color:
white) was assessed in compliance with ISO 14644-14. When
operated under the specified test conditions, it 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
Structure-borne noise = approx. 50Hz Grid System: KCS T 24	1
Structure-borne noise = approx. 50Hz Grid System: Clean Room 24	1
Overall result	1

It must be pointed out, that according to ISO 14644-1 clean-
rooms classes 1 to 5 have a high filter occupancy, with the result
that large-surface ceiling systems cannot be used in some cases.
Cleanrooms with a horizontal displacement flow form an excep-
tion to this. The test result may be affected by the surrounding
ceiling system. Please note: Transport damages, incorrect installa-
tion, aging behavior, corrosion etc. can influence the test result.

KN 2405-1523 Stuttgart, October 2, 2024
Report No. first document Place, date of first document issued

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Report No. current document Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA

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