



valid until: October 2, 2029

Fraunhofer

TESTED[®] DEVICE

Knauf Ceiling Solutions
Ultima OP 24mm
Report No. KN 2409-1561

Single product
Particle Emission

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 2409-1561.

The ceiling system Ultima OP 24mm (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 Class
according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Structure-borne noise = approx. 50Hz	4
Overall result	

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 installation, aging
behavior, corrosion etc. can influence the test result.

KN 2409-1561
Report No. first document

Stuttgart, October 2, 2024
Place, date of first document issued

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Report No. current document

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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.



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