



valid until: October 2, 2029

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Knauf Ceiling Solutions  
Ultima OP 15mm

**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 15mm (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	1
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.



**Fraunhofer**  
IPA