



Fraunhofer

TESTED[®] DEVICE

BAUER KOMPRESSOREN GmbH
B-VIRUS FREE-459
Report No. BA 2012-1196

Single product
UVC radiation intensity

Qualification Certificate

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

BAUER KOMPRESSOREN GmbH
Munich, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number BA 2012-1196.

The UVC radiation intensity of the UVC reaction tube B-VIRUS
FREE-459 (color: silver/gray/white) was measured according
to DIN EN 14255-1. The average irradiance measured was 28
mW/cm² (equates to 28 mJ/cm²*s).

For the tested reaction tube, the following values were obtained
according to DIN 5031-10 for an inactivation of influenza as a
typical human-pathogenic virus:

Inactivation of influenza					
Rate [%]	Required dose [mJ/cm ²]	Irradiance [mJ/cm ² *s]	V _{eff} [l]	t _{Limit} [s]	F _{max} [m ³ /h]
90	3.5	28	2.6	0.12	76
99	10.5			0.37	25
99.9	31.5			1.11	8

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.

BA 2012-1196
Report No. first document

Stuttgart, December 15, 2020
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