



valid until: June 26, 2031

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

BAUER KOMPRESSOREN GmbH  
B-VIRUS FREE-459

**Report No. BA 2603-1737**

Single product  
UVC radiation intensity

DUPLICATE

This document only applies to the named product in its original state and is valid for a period of 5 years from the current date the document was issued. The document can be verified under [www.tested-device.com](http://www.tested-device.com).

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

The norms stated generally refer to the version valid at the time of the tests.

## 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 2603-1737.

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 50 mW/cm<sup>2</sup> (equates to 50 mJ/cm<sup>2</sup>\*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 <sup>2</sup> ] | Irradiance [mJ/cm <sup>2</sup> *s] | V <sub>eff</sub> [l] | t <sub>Limit</sub> [s] | F <sub>max</sub> [m <sup>3</sup> /h] |
| 90                        | 3.5                                 | 50                                 | 2.6                  | 0.07                   | 134                                  |
| 99                        | 10.5                                |                                    |                      | 0.21                   | 45                                   |
| 99.9                      | 31.5                                |                                    |                      | 0.63                   | 15                                   |

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Stuttgart, June 26, 2026  
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on behalf of   
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification



**Fraunhofer**  
IPA