



Fraunhofer

TESTED[®] DEVICE

LAPPKOREA LLC
CR 8113 C MC 3 X 0.145Q
Report No. LA 2206-1327

Single product
Particle Emission

Qualification Certificate

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

LAPPKOREA LLC
Hwaseong-si, Korea

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number LA 2206-1327.

The UNITRONIC CLEANROOMFD 8113 C MC 3 X 0.145Q (color:
black) 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 |
|--|-----------------------|
| $v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$ | 1 |
| $v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$ | 1 |
| $v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$ | 1 |
| Overall result | 1 |

Please note: Transport damages, incorrect installation, aging
behavior etc. can influence the test result.

LA 2206-1327
Report No. first document

Stuttgart, August 4, 2022
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of 

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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