



Fraunhofer

TESTED[®] DEVICE

eltherm GmbH
ELPH-Cleanroom ID 40 mm
Report No. EL 2211-1363

Single product Particle Emission

Qualification Certificate

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

eltherm production GmbH
Burbach, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number EL 2211-1363.

The heating sleeve ELPH-Cleanroom ID 40 mm (color: gray) 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
Heat up to approx. 180 °C	4
Maintain temperature at approx. 180 °C	2
Cool down to approx. 25 °C	3
Overall result	4

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

EL 1603-812
Report No. first document

Stuttgart, May 31, 2016
Place, date of first document issued

EL 2211-1363
Report No. current document

Stuttgart, March 30, 2023
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 current
date the 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.