



# Fraunhofer

## TESTED<sup>®</sup> 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
<b>Overall result</b>	<b>4</b>

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.