



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Thomas Engineering Co., Ltd.  
ThomPod ThomCL4435 + ThomFlat  
**Report No. TH 1606-833**

### Particle Emission

### Qualification Certificate

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

**Thomas Engineering Co., Ltd.**  
Chung-buk, Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number TH 1606-833.

When operated under the specified test conditions, the ThomPod (F22-03R0205, F22-03R0205, F25-04R0205) ThomCL4435 with ThomFlat (F11-W1009) (color: white) is suitable for use in clean-rooms fulfilling the specifications of the following Air Cleanliness Class 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
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	2
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	3
<b>Overall result</b>	<b>3</b>

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

Stuttgart, August 10, 2016

on behalf of   
Frank Bürger, Project manager Fraunhofer IPA

DUPLICATE

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.

Further information:

[www.tested-device.com](http://www.tested-device.com)