



Fraunhofer

TESTED[®] DEVICE

TM Tech Co., Ltd
T-FLEX(SM-R-XXX)
Report No. TM 2207-1337

Single product Particle Emission

Qualification Certificate

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

TM Tech Co., Ltd
Pyeongtaek-si, Korean

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number TM 2207-1337.

The T-FLEX(SM-R-XXX) Flexible cable for a clean room (sleeve
color: white) 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.

TM 1612-863
Report No. first document

Stuttgart, January 18, 2017
Place, date of first document issued

TM 2207-1337
Report No. current document

Stuttgart, August 4, 2022
Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA

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.