

Fraunhofer

TESTED DEVICE

Tsubakimoto Chain Co. Flatveyor ZP Type R100 Report No. TS 2310-1469

Single product **Particle Emission**

Qualification Certificate

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

Tsubakimoto Chain Co.

Kyoto, Japan

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number TS 2310-1469.

The cable system Flatveyor ZP Type R100 (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
$v_3 = 2.0 \text{m/s}; a_3 = 4.0 \text{m/s}^2$	2
Overall result	2

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

verified under www.tested-device.com.

and is valid for a period of 5 years from the date the first document was issued. The document can be

This document only applies to the named product in its original state

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

TS 2310-1469

Report No. first document

Report No. current document

Stuttgart, November 10, 2023

Place, date of first document issued

