



Fraunhofer

TESTED[®] DEVICE

FlexLink AB
X85 Conveyor-Clean (prototype)
Report No. FL 1606-830

Particle Emission

Qualification Certificate

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

FlexLink AB
Göteborg, Sweden

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number FL 1606-830.

When operated under the specified test conditions, the X85 Conveyor-Clean (Wax slide rail, POM B chain, X85X wheel disk, no GF drive wheel; prototype) is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v_1 = 5 \text{ m/min}$; payload cylinders moving	6
$v_2 = 10 \text{ m/min}$; payload cylinders moving	7
$v_3 = 15 \text{ m/min}$; payload cylinders moving	7
Overall result	7

The drive fitted to the conveyor was not subject to the test. A visual inspection of the test piece according to VDI 2083 Part 9.1 has shown slight sign of abrasion on the plastic components of the conveyor. This has to be considered as critical in cleanroom environments.

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

Stuttgart, April 14, 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