



Fraunhofer

TESTED[®] DEVICE

CP SYSTEM CO., LTD.
Sabin chain nsb020CR.20.R48/F
Report No. CP 1701-868

Particle Emission

Qualification Certificate

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

CP SYSTEM CO., LTD.
Busan, Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number CP 1701-868.

When operated under the specified test conditions, the Sabin chain nsb020CR.20.R48/F (color: black) 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

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

Stuttgart, March 9, 2017

Place, date of first document issued

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Place, current date

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