



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

CP SYSTEMS CO., LTD  
nsb028CRG.75.R70/F

**Report No. CP 1802-1008**

### Particle Emission

### Qualification Certificate

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

**CP SYSTEMS CO., LTD**  
Busan, Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number CP 1802-1008.

The cable system New Sabin Cleanroom Gore Cable Chain nsb028CRG.75.R70/F (color: white and black; overall width: 94 mm; thickness of the chain: 38.3 mm; number of channels: 5) 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
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	3
<b>Overall result</b>	<b>3</b>

DUPLICATE

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under [www.tested-device.com](http://www.tested-device.com).

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

CP 1802-1008  
Report No. first document

Stuttgart, June 8, 2018  
Place, date of first document issued

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Report No. current document

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Place, current date

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