



Fraunhofer

TESTED[®] DEVICE

HEIN Ind.-Schilder
GEM-MARK

Report No. HE 2209-1349

Single product Particle Emission

Qualification Certificate

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

HEIN Industrieschilder GmbH
Sinsheim, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number HE 2209-1349.

The Cleanroom label „GEM-MARK“ (color: cyan, magenta, yellow, black, 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 Class according to ISO 14644-1:

Material pairing and test		Air Cleanliness Class
Cleanroom label „GEM-MARK“	vs. stainless steel 1.3541/1.4034	1
Ball-on-disc test; normal force: 3 N		
Overall result		

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

HE 2209-1349
Report No. first document

Stuttgart, December 16, 2022
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of 

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.

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