





Fraunhofer TESTED® DEVICE hawo GmbH hm 4000 DC-VI Report No. HA 2104-1228

Statement of Qualification

Single product Hygienic Design

Statement of Qualification • Single product

hawo GmbH Obere Au 2-4 74847 Obrigheim Germany	Test result / Classification	The sealing machi areas up to the fo
Working Place and Operator		However, this reco a resting state. Ar can only be made
Work Equipment		
sealing machine hm 4000 DC-VI (manufacturing date: 3/18/2021; color: V²A stainless steel; article number: 0.617.344; serial number: 493143; weight: 19kg)		
	Obere Au 2-4 74847 Obrigheim Germany Working Place and Operator Work Equipment sealing machine hm 4000 DC-VI (manufacturing date: 3/18/2021; color: V ² A stainless steel; article number:	Obere Au 2-4 74847 Obrigheim Germany Working Place and Operator Work Equipment sealing machine hm 4000 DC-VI (manufacturing date: 3/18/2021; color: V ² A stainless steel; article number:

Assessment of conformity to GMP regulations as well as to EHEDG conception and design recommendations

Standards/Guidelines:

Assessment criteria:

EU GMP Annex 1; EHEDG Doc. 8; DIN EN 1672-2; ISO 14159 The norms stated generally refer to the version valid at the time of the tests.

- Materials utilized
- Material pairings
- Installed components
- Geometries of components used
- Joining methods
- Detailed constructional solutions
- Manufacturing processes
- Surface coatings/coating systems

The suitability of the operating utility for use in a GMP-conform manufacturing environment is ascertained on the basis of the assessment of these criteria with the aid of expert knowledge. The assessment focuses mainly on the avoidance of contamination as well as on the ability to clean and disinfect the operating utility.

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

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

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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Department of Ultraclean Technology and Micromanufacturing

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

Report No. current document



chine hm 4000 DC-VI is principally suitable for use in hygienic following GMP Class according to EU GMP Annex 1:

Suitability		
up to GMP Class C		

ecommendation only pertains to the operating utility when in An overall assessment of the sealing machine hm 4000 DC-VI de after its installation in the production line.

Place, date of first document issued

Place,	current	date

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.