



valid until: April 17, 2029

Fraunhofer

TESTED[®] DEVICE

Kawasaki Robotics GmbH
Kawasaki MC006V
Report No. KA 2311-1476

DUPLICATE

Statement of
Qualification

Single product
Hygienic Design

Statement of Qualification · Single product

Customer

Kawasaki Robotics GmbH
Im Taubental 32
41468 Neuss
Germany

Component tested

Category: Automation Components
Subcategory: Robotics
Product name: Kawasaki MC006V
(manufacturing date: 12/2021; color: silver (shiny); weight: 44 kg; serial number: MC0060006)

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

Standards/Guidelines: 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.

Assessment criteria:

- 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.

Test result / Classification

The robot Kawasaki MC006V is principally suitable for use in hygienic areas up to the following GMP Class according to EU GMP Annex 1:

| |
|--------------------------|
| Suitability |
| up to GMP Class A |

However, this recommendation only pertains to the operating utility when in a resting state. An overall assessment can only be made after its installation in the production environment.

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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Report No. first document

Stuttgart, April 17, 2024
Place, date of first document issued

Department of Ultraclean Technology and Micromanufacturing

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Report No. current document

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Place, current date

Nobelstrasse 12
70569 Stuttgart
Germany

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