



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

ABB Engineering (Shanghai) Ltd.

IRB1200-7/0.7

**Report No. AB 1507-774**

### Riboflavin Test (Equipment)

### Qualification Certificate

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

**ABB Engineering (Shanghai) Ltd.**  
Shanghai, China

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number AB 1507-774.

The examination of cleanability of IRB1200-7/0.7 (color: white) was investigated according to VDMA »Riboflavin test for low-germ or sterile process technologies – Fluorescence test for examination of cleanability« information test sheet. The following test result could be provided:

- The robot IRB1200-7/0.7 (SN: 1200-900002) manufactured by ABB Engineering (Shanghai) Ltd. can be cleaned well using a simple wiping procedure with ultra-pure water.
- The fluorescence test identified several critical areas.
- It is extremely difficult to clean these areas of the robot effectively. These areas have to be cleaned especially thoroughly or using a more complex procedure, e.g. by removing certain parts before cleaning.
- The ability to clean the robot effectively could be improved by eliminating most of the depressions or undercuts.

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

Stuttgart, October 23, 2015

on behalf of   
Frank Bürger, Project manager Fraunhofer IPA

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](http://www.tested-device.com)

DUPLICATE