



Fraunhofer

TESTED[®] DEVICE

KUKA Roboter GmbH
PE-500

Report No. KU 1610-849

Chemical Resistance

Qualification Certificate

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

KUKA Roboter GmbH
Augsburg, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number KU 1610-849.

The chemical resistance of PE-500 (color: white) was classified
according to ISO 4628-1 and VDI 2083-17 with the following
results:

| Chemical resistance | | | |
|------------------------|-----------|-------------------------|-----------|
| Formalin 37 % | excellent | Sodium hydroxide 5 % | excellent |
| Ammoniac 25 % | very good | Sodium hypochlorite 5 % | excellent |
| Hydrogen peroxide 30 % | excellent | Ethanol 99.5 % | excellent |
| Sulfuric acid 5 % | excellent | Sodium hydroxide 20 % | excellent |
| Phosphoric acid 30 % | excellent | Elma Clean 100 5 % | excellent |
| Peracetic acid 15 % | excellent | Microbac food 5 % | excellent |
| Hydrochloric acid 5 % | excellent | Desifor forte 5 % | excellent |
| Isopropanol 100 % | excellent | Sodosil RA08 15 % | excellent |

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

Stuttgart, December 14, 2016

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