





## Fraunhofer TESTED® DEVICE Kawasaki Robotics GmbH Chrome Coating 7770377903 Report No. KA 2311-1476

Statement of Qualification

Single product Chemical Resistance

## **Statement of Qualification** • Single product

Customer	Kawasaki Robotics GmbH Im Taubental 32 41468 Neuss	Test result / Classification		The chemical resistance of Chrome Coating 7770377903 was classified according to ISO 4628-1 and VDI 2083 Part 17 with the following result:				
	Germany		Chemical resistance	1h	3h	6h	24 h	
			Formalin 37 %	0	0	0	0	
Component tested			Ammoniac 25 %	0	0	0	0	
Category:	Materials		Hydrogen peroxide 35 %	0	0	0	0	
			Sulfuric acid 5 %	0	0	0	0	
Subcategory:	Metalls		Phosphoric acid 30 %	0	0	0	0	
Product name:	Chrome Coating 7770377903 (manufacturing date: 9/28/2023; material: chrome; article number:		Peracetic acid 15 %	0	1	1	2	
	7770377903)		Isopropanol 100 %	0	0	0	0	
			Acetic acid 10 %	0	0	0	0	
Chemical resistance test Standards/Guidelines:	VDI 2083 Part 17; ISO 2812-1; ISO 4628-1 The norms stated generally refer to the version valid at the time of the tests.		The classification is based on a damage was assessed accordi 4628-1 and VDI 2083 Part 17:	ing to the classi :				
Testing equipment:	<ul><li>Microscope</li><li>Camera</li></ul>		1 = very good 4 =	= weak = very weak = none				
Test environment parameters:	Temperature:							
Test procedure parameters:	Immersion method  Chemicals: Ammoniac 25 % Ammoniac 25 % Hydrogen peroxide 35 % Sulfuric acid 5 % Phosphoric acid 30 % Peracetic acid 15 % Isopropanol 100 % Acetic acid 10 % Incubation time: 1h, 3h, 6h, 24h	The measuring devices used for the qualification and international standards. In cases where no n regulations and norms applicable at the time of Detailed information and parameters of the test	ational standards exist, the test procee the test. The relevant documentation o	dure implement can be viewed o	ed complie on request	ies with the	e technical	
	Fraunhofer	Department of Ultraclean Technology and Micromanufacturing Rep Nobelstrasse 12 70569 Stuttgart on N	A 2311-1476 Stuttgart, April 1 Place, date of first docum Flace, date of first docum Place, current date Place, current date Place, current date Stuttgart, April 1 Place, date of first docum Place, current date Place, current date		aı pı ar 5 fii Tł	nd is valid years from rst docume he docume erified und	he named its original stat for a period o m the date the ent was issued ent can be	

	This document only applies to the named			
	product in its original state			
Stuttgart, April 17, 2024	and is valid for a period of			
Place, date of first document issued	5 years from the date the			
	first document was issued.			
	The document can be			
Place, current date	verified under			
sin	www.tested-device.com			
ager Fraunhofer IPA				