

TEST REPORT

No. : GZMR240701935301

Date : Dec 17, 2024

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CUSTOMER NAME: Shenzhen Yuejiang Technology Co., Ltd.
ADDRESS: Room 1003, Building 2, Chongwen Park, Nanshan iPark, No.3370,
Liuxian Blvd, Fuguang Community, Taoyuan Street, Nanshan District,
Shenzhen, China

Sample Name : Collaborative robots
Model No. : Product Name: CR5AP; Model Name: DT-CR050A-0P
Manufacturer : Shenzhen Yuejiang Technology Co., Ltd.
Other Information : FACTORY:Rizhao Yuejiang Intelligent Technology Co., Ltd.
Trade Mark:DOBOT

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : GZES2407012997MD
Date of Receipt : Jul 08, 2024
Testing Start Date : Jul 08, 2024
Testing End Date : Dec 17, 2024
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. Guangzhou Branch

Gary Bai
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	IPX8	IEC 60529:1989+A1:1999+A2:2013+CO R1:2019	See result	Pass
2	IP6X	IEC 60529:1989+A1:1999+A2:2013+CO R1:2019	See result	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original Sample Photo:



Original Sample-Sample A

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1.Test Item: IPX8

Sample Description: Finished product

Test Method: IEC 60529:1989+A1:1999+A2:2013+COR1:2019

Test Condition:

Depth: 1m

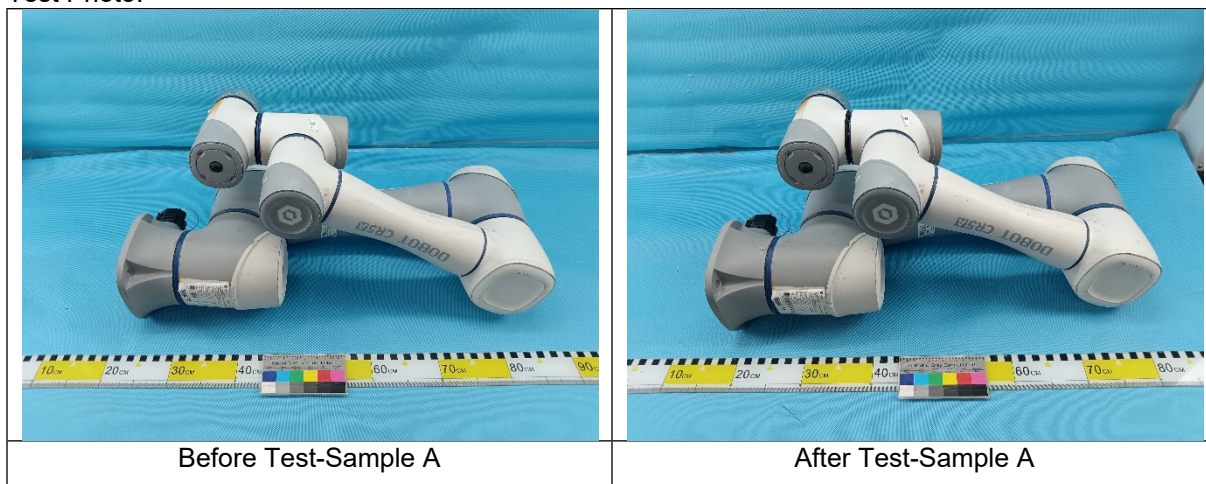
Test duration: 72h

Lab Environment Condition: 15℃ ~ 35℃, 25%RH ~ 75%RH

Test Result:

Specimen	Result	Client's requirement	Conclusion
A-1	1.No visible ingress of water. 2.The robotic arm was connected to the computer normally and could be active by controlling computer.	1.No visible ingress of water. 2.The robotic arm is connected to the computer normally and can be active by controlling computer.	Pass

Test Photo:



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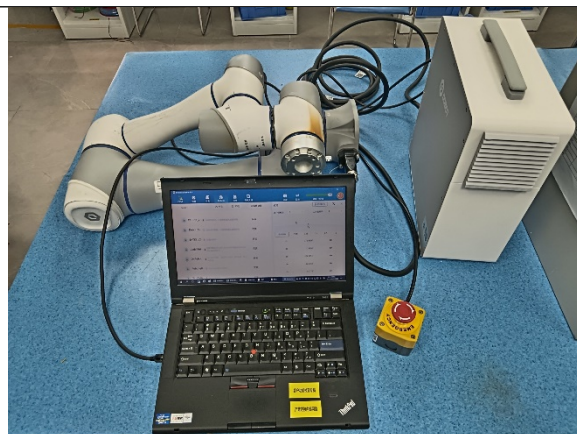
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After Test-Local Part



After Test-Local Part



During Test-Sample A

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Waterproof tester	GR-IPX7&IPX8 B	GZMR-RL-E203-02	2024-04-16	2025-04-15
Non-contacting infrared thermometer	UT301A	GZMR-RL-E156	2024-03-20	2025-03-19



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2.Test Item: IP6X

Sample Description: Finished product

Test Method: IEC 60529:1989+A1:1999+A2:2013+COR1:2019

Test Condition:

Test Dust: Talcum powder

Dust Concentration: 2 kg/m³ chamber volume and be kept in suspension during the test

Depression: ≤2 kPa

Extraction Rate: < 40 volumes per hour

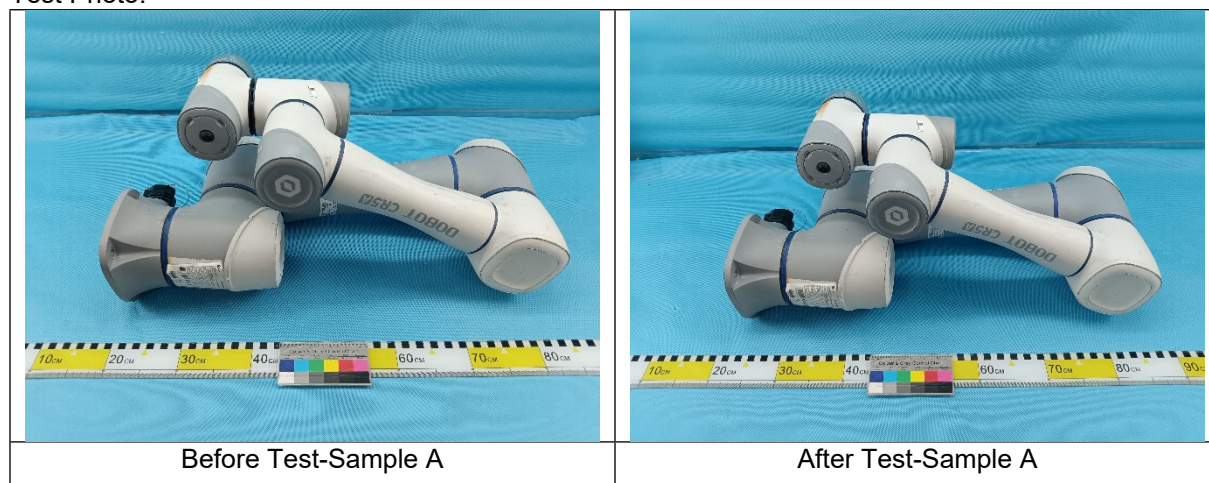
Test Duration: 8 hours

Lab Environment Condition: 15℃~35℃, 25%RH~75%RH

Test Result:

Specimen	Result	Client's requirement	Conclusion
A-1	1.No visible ingress of dust. 2. The robotic arm was connected to the computer normally and could be moved by controlling computer.	1.No visible ingress of dust. 2. The robotic arm is connected to the computer normally and can be moved by controlling computer.	Pass

Test Photo:

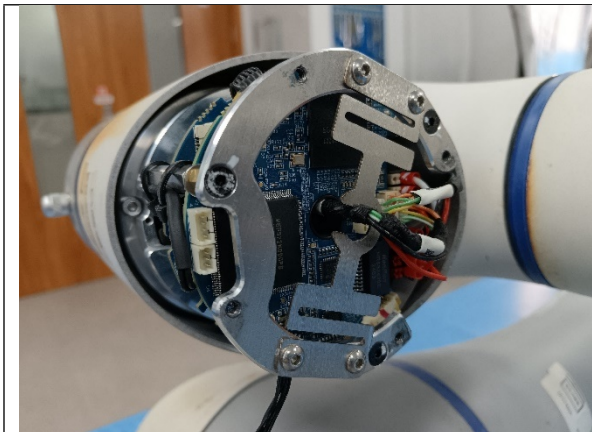


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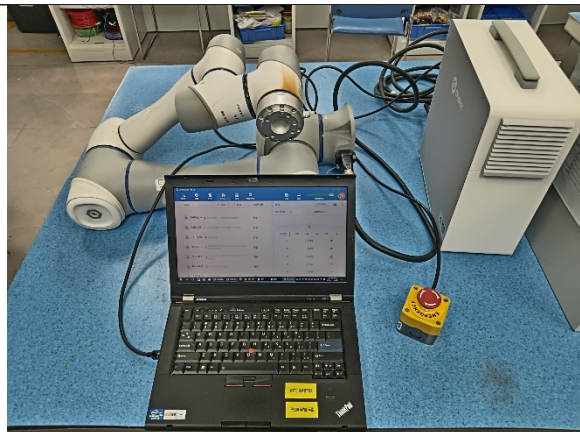
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After Test-Local Part



Function Check



During Test-Sample A

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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Sand and dust test chamber	QY/SC-1000LK	GZMR-RL-E211	2024-05-20	2025-05-19

Appendix information:

*Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

***** End of report*****



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