

ARYCA SPORTS (SHENZHEN) CO., LTD

NO.39, LIUYUEDAHE ROAD, HANGGANG TOWN, SHENZHEN CITY

The following merchandise was submitted and identified by the vendor as:

Sample Description: IP6 / PLUS WATERPROOF CASES
Quantity: 4 pcs
SGS Refer No.: GZRL2015041005
Sample receiving Date: Apr. 13, 2015
Test period: Apr. 13, 2015 to May. 04, 2015
Test Requested: 1. Dust Test-IP6X
2. Waterproof Test-IPX8
Test Method: Refer to DIN40050.9-1993 and client's requirements.
Test Result(s): For further details, please refer to the following page(s)

Signed for and on behalf of

SGS-CSTC Ltd. Shenzhen Branch



Reliability Lab

James Zhu

Engineer



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1. Dust Test-IP6X

1.1 Test Method/Specification or Clients' Requirement:

a) Test Method/Specification:

Refer to DIN40050.9-1993 and Client's Requirements.

Test condition:

The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump. The suction connection shall be made to a hole specially provided for this test. If not otherwise specified in the relevant product standard, this hole shall be in the vicinity of the vulnerable parts.

If it is impracticable to make a special hole, the suction connection shall be made to the cable inlet hole. If there are other holes (for example, more cable inlet holes or drain-holes) these shall be treated as intended for normal use on site.

The object of the test is to draw into the enclosure, by means of depression, a volume of air 80 times the volume of the sample enclosure tested without exceeding the extraction rate of 60 volumes per hour. In no event shall the depression exceed 2 kPa (20 mbar).

The test is continued a period of 8 hours has elapsed.

b) Acceptance conditions:

The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

1.2 Test Result:

Sample No.	Result	Remark
3#	Satisfied	No dust deposit the inside sample
4#	Satisfied	No dust deposit the inside sample



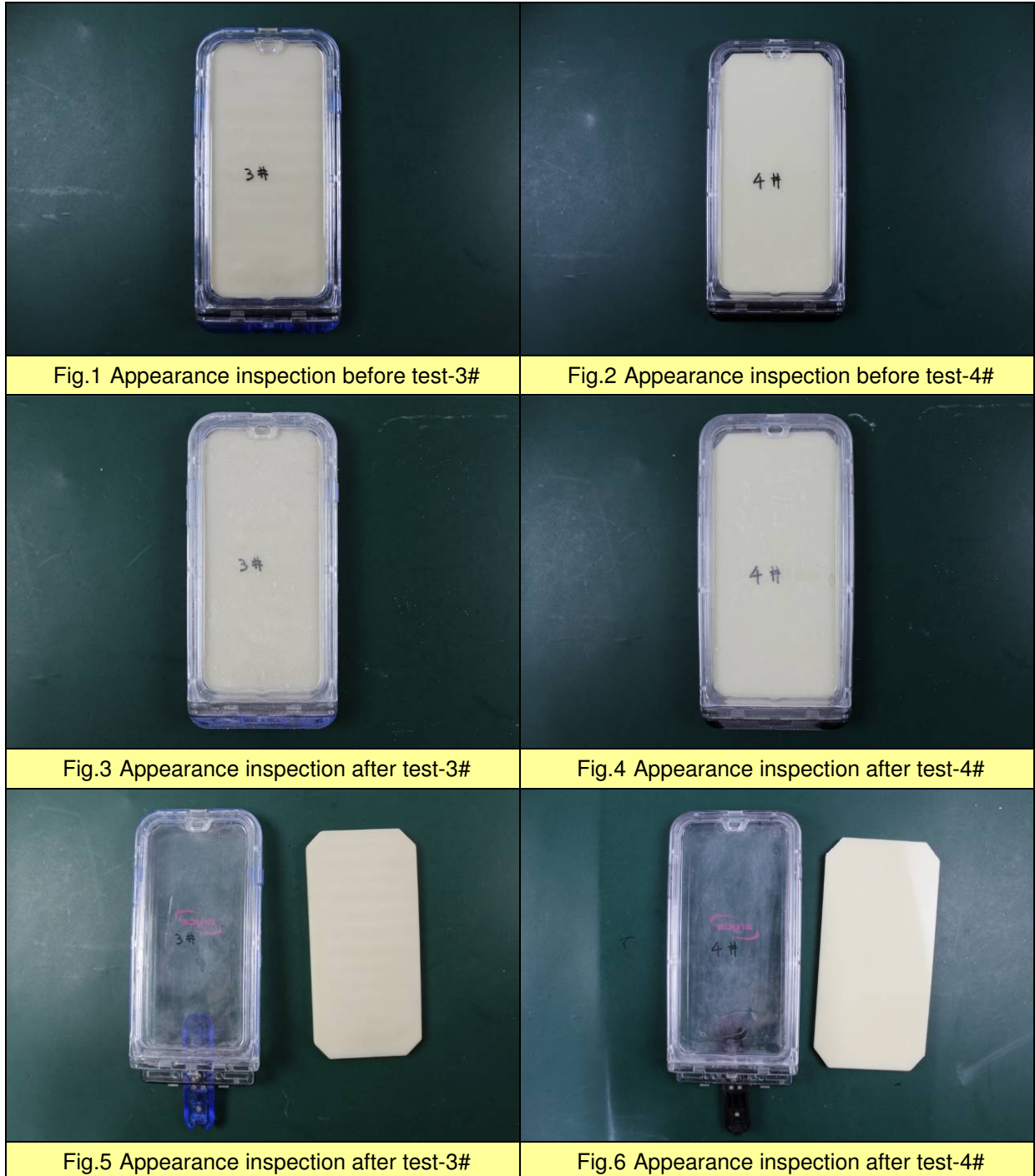
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1.3 Test Photos:



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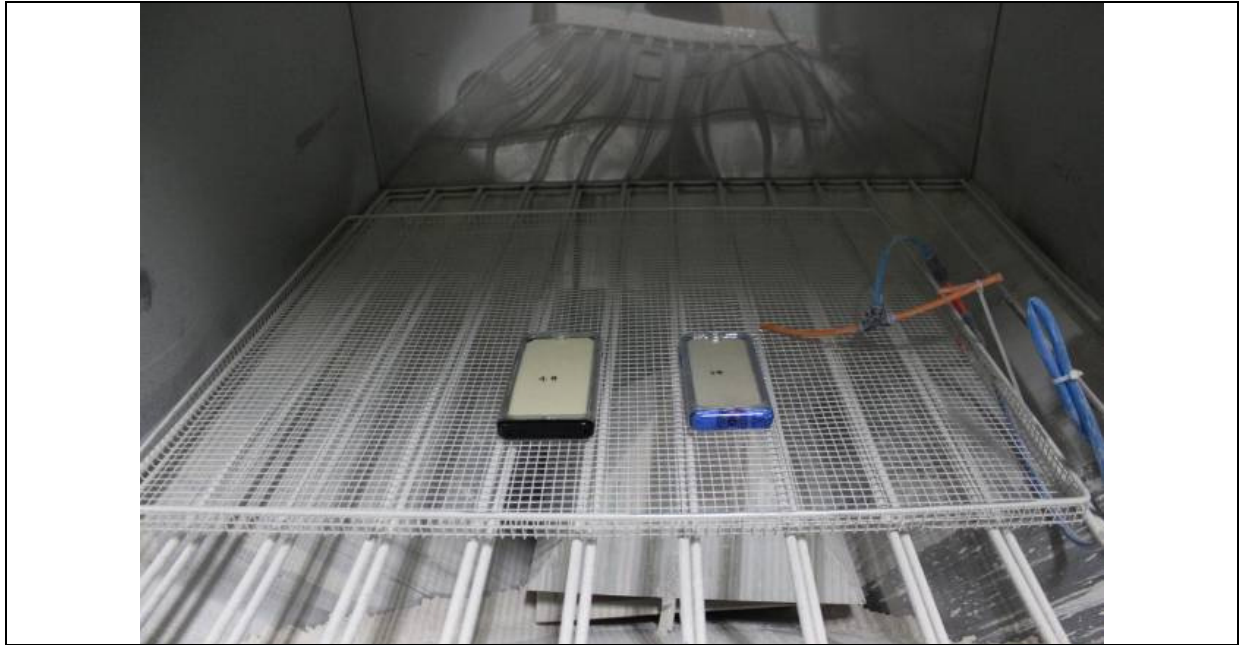


Fig.7 Test setup



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2. Waterproof Test – IPX8

2.1 Test Method/ Specification or Clients' Requirement:

a) Test Method/Specification:

Refer to DIN40050.9-1993 and Client's Requirements.

Test condition:

Water-level on the lowest point of enclosure: 6m

Duration of test: 480min

b) Acceptance condition:

If any water has entered, it shall not:

- Be sufficient to interfere with the correct operation of the equipment or impair safety;
- Deposit on insulation parts where it could lead to tracking along the creepage distances;
- Reach live parts or windings not designed to operate when wet;
- Accumulate near the cable end or enter the cable if any.

If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment.

For enclosures without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.

2.2 Test Result:

Sample No.	Result	Remark
1#	Satisfied	No water entered into the inside sample
2#	Satisfied	No water entered into the inside sample



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2.3 Test Photos:

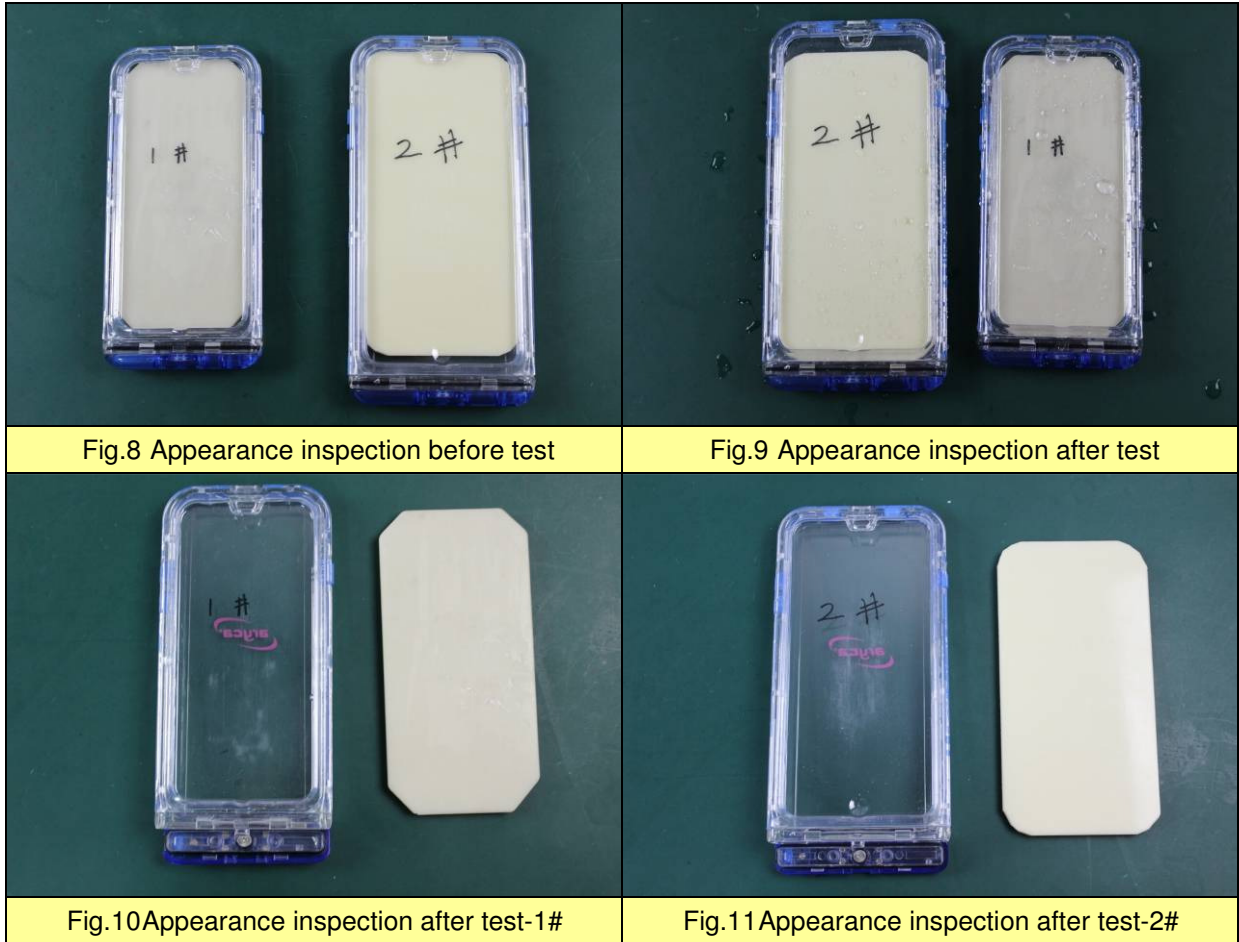




Fig.12 Test setup

End of Report



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