

# TEST REPORT

Report No. : BJ-R230523105A-02-EN

Test Item : IP69K Test

Client : Shenzhen Huafurui Technology Co., Ltd.

Address : Unit 1401 & 1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen, P.R. China

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# Content

|                                  |   |
|----------------------------------|---|
| 1.Sample Information .....       | 2 |
| 2.Test Results .....             | 2 |
| 3.IP69K Test .....               | 3 |
| 3.1 Laboratory Environment ..... | 3 |
| 3.2 Test Information .....       | 3 |
| 3.3 Test Equipment .....         | 3 |
| 3.4 Test Standard .....          | 3 |
| 3.5 Test Conditions .....        | 3 |
| 3.6 Test Photos .....            | 5 |



## 1. Sample Information

|                    |  |
|--------------------|--|
| Sample Name        | Smartphone   |
| Sample Model       | KINGKONG 9   |
| Trade Name         | CUBOT  |
| Sample No.         | BJ-R230523105A-3#~4#   |
| Sample Size        | /  |
| Weight Of Sample   | /  |
| Sample Quantity    | 2 PCS  |
| Manufacturer       | Shenzhen Huafurui Technology Co., Ltd.   |
| Address            | Unit 1401 &1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen, P.R. China |
| Sample Source      | Commissioned units send sample   |
| Inspection Type    | Commissioning test   |
| Sample Description | Sample appearance is good  |

## 2. Test Results

| Test Items | Sample No. | Test Results  |
|------------|------------|---|
| IP6KX Test | 3#         | After test, there was no dust enter the enclosure of sample and the function was normal.  |
| IPX9K Test | 4#         | After test, there was no water enter the enclosure of sample and the function was normal. |



### 3.IP69K Test

#### 3.1 Laboratory Environment

Ambient temperature: $25\pm 3^{\circ}\text{C}$       Relative humidity: $55\pm 20\%\text{RH}$

#### 3.2 Test Information

| Sample No.           | Received Date | Date Of Test(s) |
|----------------------|---------------|-----------------|
| BJ-R230523105A-3#~4# | May 23,2023   | May 24,2023     |

#### 3.3 Test Equipment

| Test Equipment                                      | Equipment Model | Equipment No. | Calibration Date |
|---|-----------------|---------------|------------------|
| Dust proof test chamber                             | TL-SC-1000L     | 2023030901    | Apr.13,2023      |
| Hi-Temp. & Hi-Pressure Water Injection Test Chamber | TL-IPX9K-1000   | 2018102201    | Apr.13,2023      |

#### 3.4 Test Standard

Test according to ISO 20653-2013 Road vehicles - Degrees of protection (IP code) -protection of electrical equipment against foreign objects ,water and access.

#### 3.5 Test Conditions

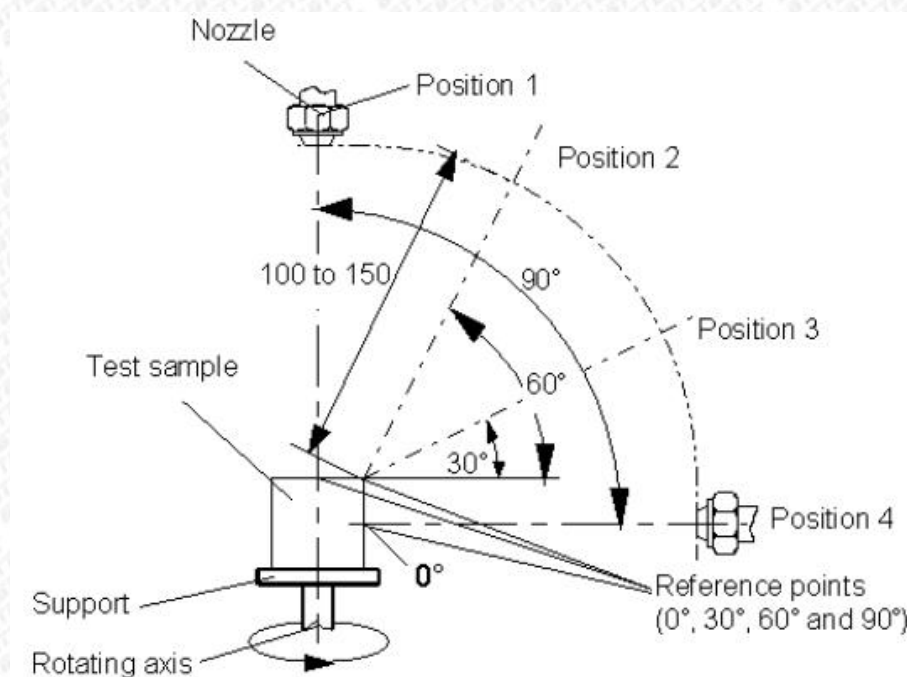
##### 3.5.1 IP6KX test

|             |  |
|-------------|--|
| Dust type   | Arizona dust   |
| Dust amount | $2\text{kg}/\text{m}^3$  |
| Test time   | 6s movement of the air-dust mixture,<br>15min break, 20 cycles |



### 3.5.2 IPX9K test

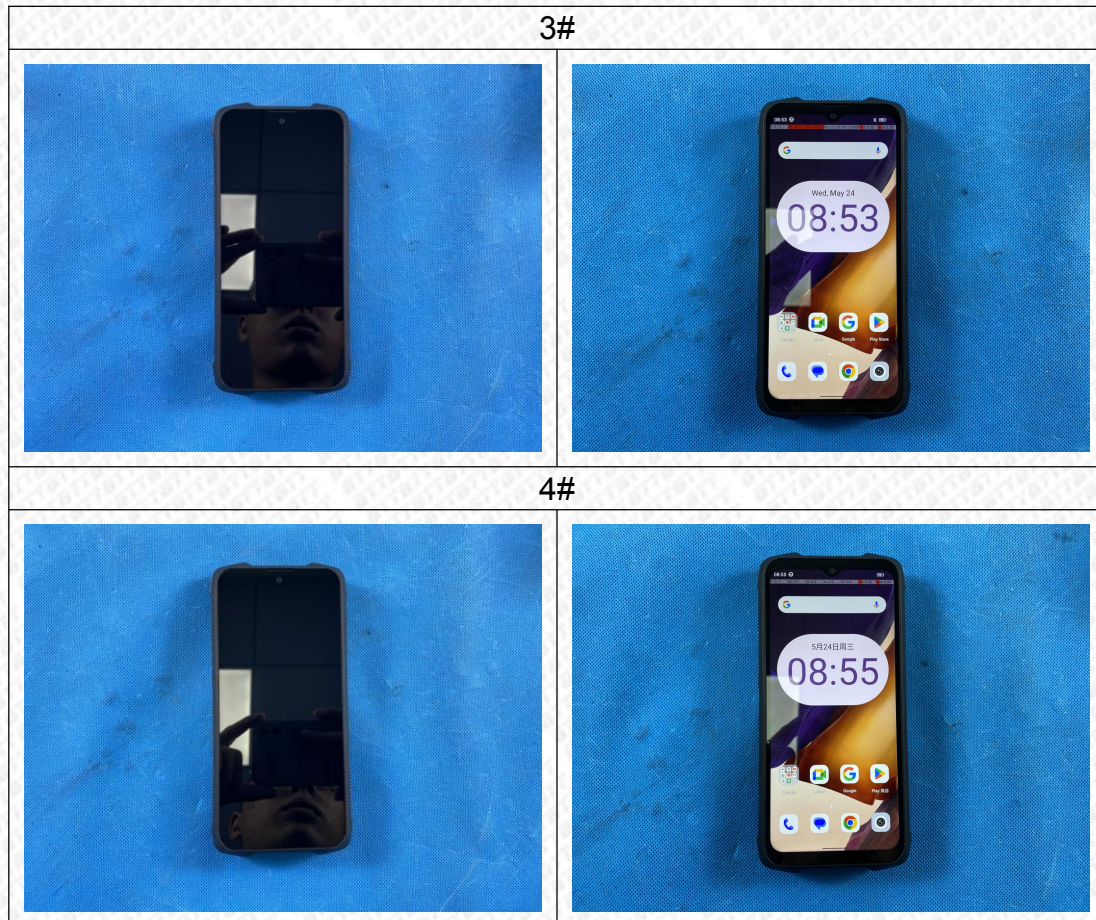
|                   |  |
|-------------------|--|
| Water temperature | $80 \pm 5^{\circ}\text{C}$   |
| pressure          | (8000~10000) kPa   |
| Water flow        | 14~16L/min   |
| distance          | 10~15cm  |
| Angle and time    | $0^{\circ}$ 、 $30^{\circ}$ 、 $60^{\circ}$ 、 $90^{\circ}$<br>30 seconds per angle |





### 3.6 Test Photos

Before test





### Test setup

#### IP6KX: 3#



#### IPX9K: 4#





After test--IP6KX

3#



Blank



After test--IPX9K

4#



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

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