



TEST REPORT

Report number: GTS20250606013-1-01

Applicant	CLOVER INDUSTRIAL CO., LTD
Manufacturer	CLOVER INDUSTRIAL CO., LTD
Product name	Laptop
Product model	143N/U
Approval Types	Commission Test

**Shenzhen Global Test Service Co., Ltd.**

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Product name	Laptop											
Product model	143N/U											
Applicant	CLOVER INDUSTRIAL CO., LTD											
Applicant address	ROOMS 301, 302, 401, 402, 501, c-building SOGOOD Park, san wei Community, Hangcheng Sub- district, Baoan District, Shenzhen											
Manufacturer	CLOVER INDUSTRIAL CO., LTD											
Address of Manufacturer	ROOMS 301, 302, 401, 402, 501, c-building SOGOOD Park, san wei Community, Hangcheng Sub- district, Baoan District, Shenzhen											
Going plant	CLOVER INDUSTRIAL CO., LTD											
One Boston Scientific Place	ROOMS 301, 302, 401, 402, 501, c-building SOGOOD Park, san wei Community, Hangcheng Sub- district, Baoan District, Shenzhen											
Trade Mark	---	Description	---									
Sample source	Customer sample delivery	Model No.	1pcs									
Date of inspection for inspection	2025.06.06	Inspection date	2025.06.09~2025.06.10									
Test item: IPX53												
Inspection items: IEC 60529:1989+AMD1:1999+AMD2:2013 Degrees of protection provided by enclosure (IP code)												
Test summary: Pass (The seal of the testing institution)												
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">Tested by: Nick zhang</td> <td style="width: 33%;">Reviewed by: Sky Shi</td> <td style="width: 33%;">Reviewed by: Jason Hu</td> </tr> <tr> <td>Signature: <i>Nick zhang</i></td> <td>Signature: <i>Sky Shi</i></td> <td>Signature: <i>Jason Hu</i></td> </tr> <tr> <td>2025.06.11</td> <td>2025.06.11</td> <td>2025.06.11</td> </tr> </table>				Tested by: Nick zhang	Reviewed by: Sky Shi	Reviewed by: Jason Hu	Signature: <i>Nick zhang</i>	Signature: <i>Sky Shi</i>	Signature: <i>Jason Hu</i>	2025.06.11	2025.06.11	2025.06.11
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2025.06.11	2025.06.11	2025.06.11										
Model: /												
Note: The conclusion "P" indicates that the test is "qualified"; "F" indicates that the test is "unqualified"; "N/A" indicates that the test is "not applicable".												

Overview of the test results

Number	Inspection items	Standard requirements	Inspection results	Inspection results
1.	IP5X	IEC 60529:1989+AMD1:1999+AMD2:2013 Degrees of protection provided by enclosure (IP code) 1. Hazardous component protection test: Use a test probe with a diameter of 1 mm and apply a force of 1 N to pierce the sample's gap area. 2. Foreign matter protection test: 1) Continuous dust blowing for 8 hours; 2) Dust content in the dust-proof box: 2 kg/m ³ . 3). Judgment requirements: After the test, no dust should enter the sample's interior.	After the test, there was no dust inside the sample.	P
2.	IPX3	IEC 60529:1989+AMD1:1999+AMD2:2013 Degrees of protection provided by enclosure (IP code) 1) Pinholes: 36 2) Test water flow rate:2.3L/min 3) Test duration: 10 min	After the IPX3 test, the appearance and structure of the sample were normal. There was a slight water ingress inside, but the accumulated water did not endanger the live parts. The test was qualified.	P

Testing requirements and results

Test item: IP5X

1) Basis of detection:

IEC 60529:1989+AMD1:1999+AMD2:2013 Degrees of protection provided by enclosure (IP code)

2) Testing Method and Explanation:

(1). Hazardous component protection test:

Use a test probe with a diameter of 1 mm and apply a force of 1 N to pierce the sample's gap area.

(2). Foreign matter protection test:

(1).Continuous dust blowing for 8 hours;

(2). Dust content in the dust-proof box: 2 kg/m³.

3) Basis of determining:

After the test, the sample was opened for inspection. No test dust was found to have entered the sample interior.

4)Test data



Before the test



Experiment Process



Experiment Process



After the test

5) After the test, there was no dust intrusion inside the sample, and it was qualified.

Testing requirements and results

Test item: IPX5

1) Basis of detection:

IEC 60529:1989+AMD1:1999+AMD2:2013 Degrees of protection provided by enclosure (IP code)

2) Testing Method and Explanation:

1) Pinholes: 36;

2) Test water flow rate: 2.3 L/min;

3) Test duration: 10 minutes;

3) Judgement criteria:

The sample has a normal appearance and structure, and there is no water ingress inside (if there is water ingress, it should not harm the energized components).

4) Test data



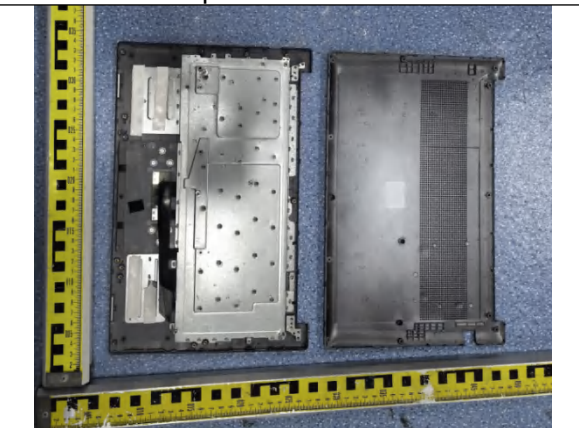
Before the test



Experiment Process



Experiment Process



After the test

5) After the IPX3 test, the appearance and structure of the sample were normal. There was a slight water ingress inside, but the accumulated water did not endanger the live parts. The test was qualified.

Sample photographs





Testing equipment

serial number	devicename	model number	Serial Number / Sequence Number	manufacturer	Calibration validity period until
1	Dust-proof test chamber	YK-1210B-1000Z	GSE0418	Dongguan Youke Automation Equipment Co., Ltd.	2026.04.15
2	Waterproof equipment	IPX3456	GSE0147	Shenzhen Huashi Te Instrument and Equipment Co., Ltd.	2026.05.06

Note: All the above instruments and equipment are within their calibration and verification periods.

The report is concluded



Statement

- 1. The report is invalid without "special seal".**
- 2. The report is invalid without testing and the signature of the approving personnel.**
- 3. The report alteration is invalid.**
- 4. The test conclusion of the self-sent samples is only valid for the sent samples.**
- 5. This report shall not be reproduced in part without the permission.**
- 6. If there is any objection to this report, you may appeal to the unit within 15 days after receiving the report, and the overdue application will not be accepted.**