



Reliability Report

Report Reference No.....: WH-REL-S20101207-2

Tested by (name + signature): Mark Lai

Mark Lai

Approved by (name + signature): Tony H.

Tony H.

Date of issue: 2021-08-23

Contents: 5 pages

Testing laboratory

Name: WH Technology Corp.

Address.....: 7F., No.262, Sec. 3, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

Testing location.....: No.67-22, Baoxin St., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

Applicant

Name: Cermate Technologies Inc

Address.....: 7F.-1, No.168, Liancheng Rd. Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

Test item

Description.....: ES Box

Model and/or type reference.....: ES22-H1A02-P1R1/ ES20-H1A02-P1R1

Trade name: N.A.



List of Attachments (including a total number of pages in each attachment):

- Photos documentation (2 pages)

Test Item

No.	Test Item	Test specification	Result	Remark
1	Functional Random Vibration Test	5-500Hz, 0.002 G ²	Pass	Test Axis X Y Z



Functional Random Vibration Test

1. **Test Date:** Aug. 20, 2021

2. **EUT:** ES Box, model No.: ES22-H1A02-P1R1, ES20-H1A02-P1R1

3. **Test equipment :** Vibration test

Model: FV203VT640

S/N: L2001003

Data of Calibration: 2020/11/09

4. **Test Standard:** Reference to the IEC60068-2-64:2008 Testing procedures

5. Test Condition:

1. Test Temperature: 20°C

2. Test Times: 1 Hour pre axis

3. Test condition:

a. Vertical RMS : 5Hz~500Hz ;

Acceleration : 0.002G²/Hz, 1.0Grms

b. Transverse RMS : 5Hz~500Hz ;

Acceleration : 0.002G²/Hz, 1.0Grms

c. Longitudinal RMS : 5Hz~5000Hz ;

Acceleration : 0.002G²/Hz, 1.0Grms

6. Performance Criteria:

Mechanical function check:

1. The connectors and components should work properly without any interference.

2. All screws should be tightened up appropriately.

7. Test Result:

There is no damage in electronic and mechanical functions.

Degradation has not been found.

Performance is maintained with no incurable physical damage or degradation



