Construction Check Report

File No: 20261702	
Report No: TR_20261702_1	
Issue Date: 04/11/2026	
Issued by: Hüsnühan Nevroz	
Page: 1 of 15	

Client	Casper Bilgisayar Sistemleri A.Ş.		
Manufacturer	Casper Bilgisayar Sistemleri A.Ş.		
Testing Laboratory	Sgs Supervise Gözetme Etüd Kontrol Servisleri A.Ş. Tüketici ve Perakende Laboratuvarı (Consumer and Retail Laboratory)		
Product Description	Laptop		
Product Trademark	Casper		
Product Model	Excalibur G870		
Serial No	SR004543863		
PO No.	-		
Service Performed	Construction Check	**Sample Quantity**	1 sample
Standards Used	Client's Request		
Clauses Examined	Client's Request		
CONCLUSION	Display Hinge Test	☒ **Conformed** ☐ **Not Conformed**	
REMARK	Please see test results on pages between 5 - 10.		

Checked by:
Hüsnühan Nevroz
Senior Test Engineer

Reviewed by:
Nurullah Çağlar
Team Leader

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Summary of testing: Excalibur G870 model laptop has been tested according to client's request.

Tests performed (name of test and test clause):

- Client's Request

Clause:

- Display Hinge Test

Testing location:

Sgs Supervise Gözetme Etüd Kontrol Servisleri A.Ş. Tüketici ve Perakende Laboratuvarı (Consumer and Retail Laboratory) /

Bağlar Mah. Osmanpaşa Cad. İş İstanbul 34 No.95 A Bağcılar İstanbul 34209, Türkiye

Summary of compliance with National Differences: N/A

Copy of marking plate:





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Possible test case verdicts:

- test case does not apply to the test object .....:	N/A
- test case does not requested to the test object..:	N/R
- test object does meet the requirement .....:	P (Pass) or AP (Appropriate)
- test object does not meet the requirement .....:	F (Fail)

Testing .....:	
Date of receipt of test item .....:	23.10.2026
Date (s) of performance of tests .....:	26.10.2026 – 02.11.2026

General remarks:

The test results presented in this report relate only to the object tested.

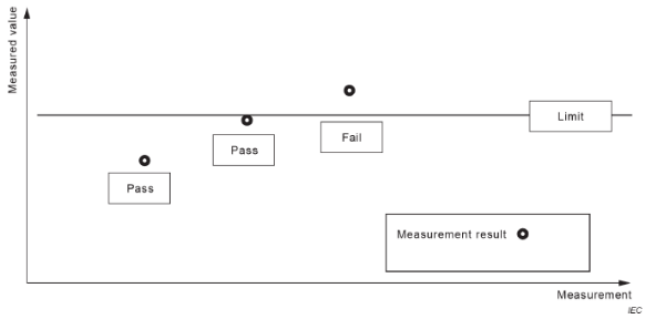
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"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

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When required in conformity assessments, Sgs Supervise Gözetme Etüd Kontrol Servisleri A.Ş. Tüketici ve Perakende Laboratuvarı (Consumer and Retail Laboratory) applies IEC Guide 115 Clause 4.4.3 Procedure 2 as decision rule.



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General product information:

- The appliance is a laptop designed primarily for gaming purposes.
- The appliance is equipped with a external GPU.
- The appliance is equipped with a built-in display.
- The appliance is powered by a rechargeable battery and can also be operated using an external power supply.
- The appliance is equipped with a cooling system incorporating a fan for thermal management.
- The appliance is equipped with a keyboard and touchpad for user input.

Model Table:

Trademark	Model Name	Ratings	CPU	GPU	Technical Specifications
Casper	Excalibur G870	20 V ⎓ 9 A	Intel Core i7 13620H	NVIDIA GEFORCE RTX 5070	2x32 64GB RAM

Conclusion of Tests

Client's Request		
Performance Test	**Require**	**Comply**
Display Hinge Test	Y	P
Conclusion: The tested appliance, identified as the Casper Excalibur G870 Laptop, successfully completed applicable test and met all specified acceptance criteria. Based on the test results obtained, the tested product complies with the applicable requirements.		

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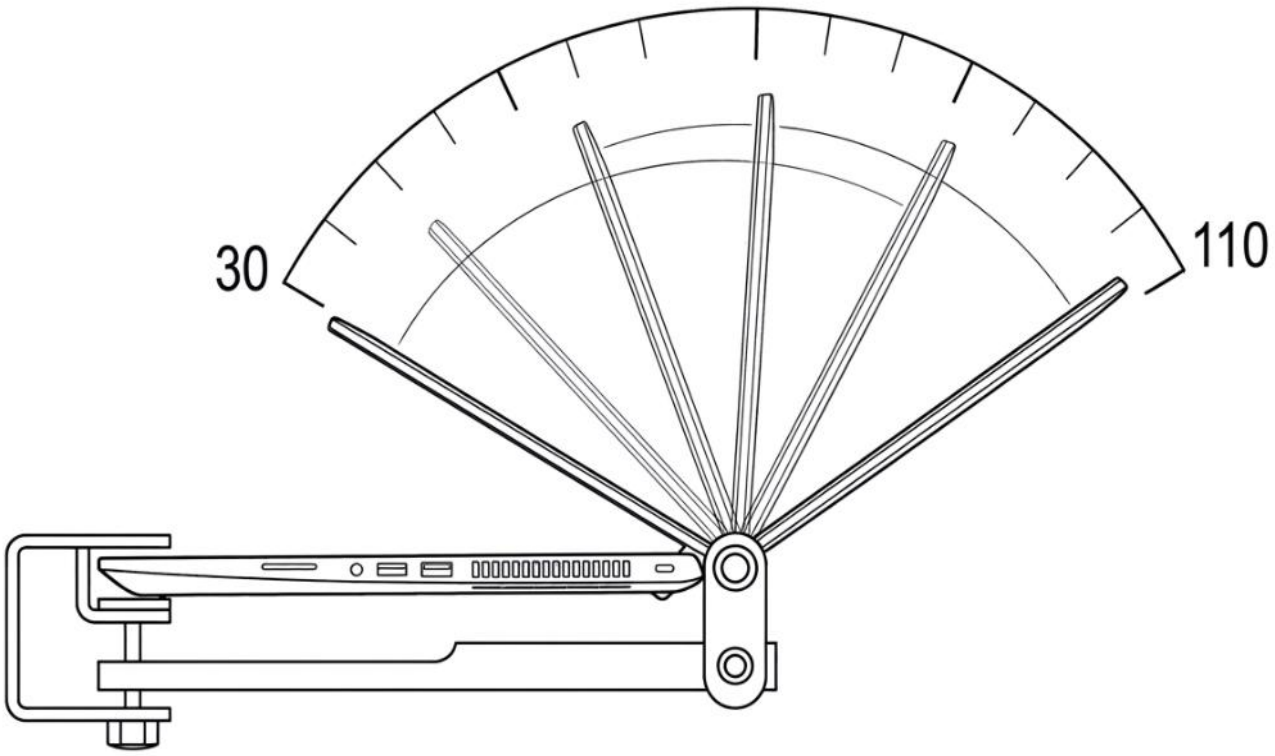
SPECIFICATION REQUIREMENTS & TEST RESULTS

1. Display Hinge Test

Test Conditions

- Cycle number is 100.000
- The display opening angle was initially set to 30°. The maximum test angle was determined to be 10° less than the product's maximum physical opening angle of 120°, resulting in a maximum test angle of 110°.

Demonstration of the Display Hinge Test



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1.1 Check for End of Each Cycle

	Controlled Parameters						
Checked Cycle	**Cracks on Enclosure**	**Damage on Display Wiring**	**Hinge Loosening**	**Abnormal Noise**	**On – Off Function**	**Acceptance Criteria**	**Evaluation**
10.000th	No abnormalities observed	No abnormalities observed	No abnormalities observed	No abnormalities observed	No abnormalities observed	No abnormalities shall be observed in the parameters under evaluation.	P
20.000th							P
30.000th							P
40.000th							P
50.000th							P
60.000th							P
70.000th							P
80.000th							P
90.000th							P
100.000th							P

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1.1.2 Photographs Taken After 100.000 Cycle



- General view of the appliance



- Side view of the appliance

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- Hinge of the appliance

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1.2 Unintended Movement Test at the end of 100.000 Cycle

- The purpose of this test is to simulate long-term use of the appliance and verify that the display hinges maintain their mechanical integrity and remain fully functional after repeated opening and closing cycles.

- The test shall be performed at two different opening angles with a duration of 1 minute;

A-) First Test Angle – 45°: The test shall be performed at an opening angle of 45°, as this position is considered to subject the display hinges to the highest mechanical stress.

B-) Second Test Angle – 110°: The test shall also be performed at an opening angle of 110°, which is 10° less than the product's maximum physical opening angle of 120°.

1.2.1 Unintended Movement Test Photos

For A-)		
	Beginning of the test	Measurement after 1 minute
For B-)		
	Beginning of the test	Measurement after 1 minute

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1.2.2 Result Table for Unintended Movement Test at the end of 100.000 Cycle

	Degree	Beginning of the test	Measurement after 1 minute	Difference	Acceptance Criteria	Evaluation
For A-)	45 °	44,97 °	44,84 °	- 0,13 °	Hinge angle shall not decrease from 45° to 30° while maintained in the 45° position for 1 minute.	P
For B-)	110 °	110,4 °	110,5 °	- 0,01 °	Hinge angle shall not increase from 120° (max opening angle) while maintained in the 110° position for 1 minute	P

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Photo Documentation

Details of view :	Package	[X] general	[ ] front	[ ] rear	[ ] right	[ ] inside



Details of view :	Package	[X] general	[ ] front	[ ] rear	[ ] right	[ ] inside



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Details of view :	Package Content	[X] general	[ ] front	[ ] rear	[ ] right	[ ] inside



Details of view :	Appliance	[X] general	[ ] front	[ ] rear	[ ] right	[ ] inside



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Details of view :	Appliance	[X] general	[ ] front	[ ] rear	[ ] right	[ ] inside

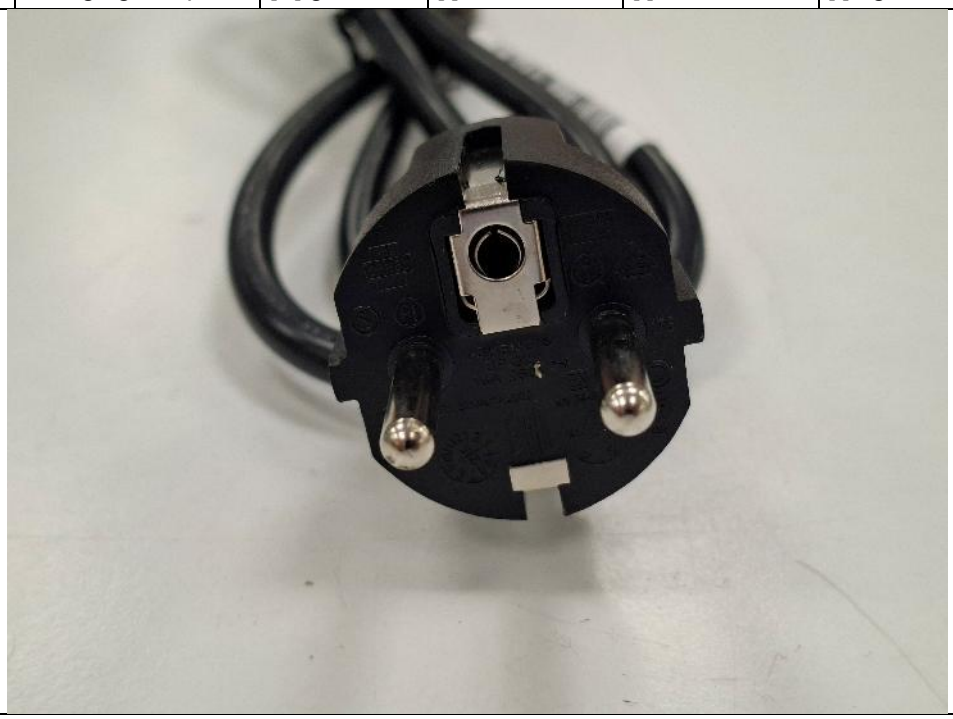


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Details of view :	Charging Adaptor	[X] general	[ ] front	[ ] rear	[ ] right	[ ] inside



Details of view :	Charging Adaptor	[X] general	[ ] front	[ ] rear	[ ] right	[ ] inside



--- End of Test Report ---

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