Report No.202600715IST

DENEY RAPORU / *TEST REPORT*

BAŞVURU FIRMANIN ADI / *APPLICANT NAME*
Casper Bilgisayar Sistemleri A.Ş.

BAŞVURU FIRMANIN ADRESI / *APPLICANT ADDRESS*
Fatih Sultan Mehmet Mah. Balkan Cad. No: 47 Ümraniye/
İstanbul

PROJE NUMARASI / *PROJECT NUMBER*
IST26Q.0923.00

HİZMET KAPSAMI / *SCOPE OF SERVICE*
Construction Check

RAPOR NUMARASI / *REPORT NUMBER*
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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Aksi talep edilmediği sürece Intertek Türkiye Elektrik Laboratuvarı paylaşılan risk karar kuralını uygulamaktadır.
The Intertek Turkey Electrical Laboratory applies the shared risk decision rule unless otherwise requested.

Bu raporda yer alan deney ve ölçüm sonuçları, müşteri tarafından sağlanan numune veya numunelere ait olup yalnızca test edilen numune(ler) için geçerlidir; uygunluk değerlendirmesi de bu numune(ler) üzerinden yapılmıştır.
The test and measurement results in this report belong to the sample(s) provided by the customer and are only valid for the tested sample(s); the conformity assessment has been made based on these sample(s).

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanamaz, çoğaltılamaz, üçüncü şahıslarla paylaşılamaz, reklam aracı olarak kullanılamaz ve imza bulunmayan raporlar geçersizdir.
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BÖLÜM 1: TEST BAŞVURUSUNA AİT GENEL BİLGİLER

/SECTION 1: GENERAL INFORMATION ABOUT THE TEST APPLICATION

TALEP EDILEN HIZMET/ *SERVICE REQUESTED*	
Numune Tanımı: */ Test item Description*	Notebook
Marka: */Trademark*	Casper
Model/Tip referansı: */ Model/Type reference*	Excalibur G870
Üretici Firmanın Adı ve Adresi : */ Manufacturer Name & Address*	Casper Bilgisayar Sistemleri A.Ş. Fatih Sultan Mehmet Mah. Balkan Cad. No: 47 Ümraniye/İstanbul

MODEL TABLOSU/ Model Table

Marka /Trademark	Model/Tip referansı */ Model/Type reference*	CPU	GPU	Teknik Özellikler */Specifications*
Casper	Excalibur G870	INTEL Core 7 240H	NVIDIA GEFORCE RTX 5060	2x32 64GB DDR5 5200MHz

TEST */TESTING*	
Test Numunesi Geliş Tarihi: */Date of receipt of test item*	25.09.2026
Test Numunesi Kabul No: */Test item receipt number*	S26.0810
Test Numunesi Seri No: */Test item serial number*	SR004546204
Test Tarihi: */Date (s) of performance of tests*	08.10.2026-16.10.2026

İŞARETLEME ETIKETLERI */MARKING PLATES*



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BÖLÜM 2: TEST METODU VE YAPILIŞ:
/SECTION 2: TEST METHOD AND APPLICATION

1-Hinge Durability Test

The durability test is performed using a hinge test machine. During the test, the display is repeatedly opened to an angle of 110° and then returned to the fully closed position. This opening and closing operation is repeated for a total of 100000 cycles to evaluate the mechanical durability, operational reliability, and resistance to wear of the display hinge mechanism. After completion of the test, the hinge and display assembly are inspected for any mechanical damage, excessive looseness, deformation, abnormal noise, or loss of normal opening and closing functionality.

Hinge Durability Test					
Test method	Durability test consisting of opening and closing the display at an angle of 110° using a hinge test machine for 100000 cycles				
Test scope	100000 opening and closing cycles				
	Deformation	**Hinge Looseness**	**Abnormal Noise**	**On-off Function**	**Verdict**
5000 cycles	No damage or deformation observed	No excessive looseness	No abnormal noise	Normal operation	PASS
10000 cycles	No damage or deformation observed	No excessive looseness	No abnormal noise	Normal operation	PASS
15000 cycles	No damage or deformation observed	No excessive looseness	No abnormal noise	Normal operation	PASS
20000 cycles	No damage or deformation observed	No excessive looseness	No abnormal noise	Normal operation	PASS
50000 cycles	No damage or deformation observed	No excessive looseness	No abnormal noise	Normal operation	PASS
100000 cycles	No damage or deformation observed	No excessive looseness	No abnormal noise	Normal operation	PASS

1.1 Hinge Loosening Check (45° / 30°)

Following the hinge test, the angle between Covers B and C shall be adjusted to 45°. The device shall be observed for 1 minute to monitor any movement. The angle between the covers shall then be measured and shall not decrease to 30° or less during the observation period. The test setup is shown below;





45° Position Test Setup



After the one minute

Result: PASS

Only a deviation of 0.8° was observed after the test. This value is within the specified limits.

1.2 Hinge Loosening Check (10°)

Following the hinge test, considering that the maximum opening angle of the device is 130°, the angle between Covers B and C shall be adjusted to 10° below the maximum opening angle (120°). The device shall be observed for 1 minute to monitor any movement. The angle between the covers shall then be measured and shall not reach the maximum opening angle of 130° during the observation period.



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120°(-60°) Position Test Setup



After the one minute

Result: PASS

Only a deviation of 0.8° was observed after the test. This value is within the specified limits.

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BÖLÜM 3: TEST SONUÇLARI:

/SECTION 3: TEST RESULTS

Madde */Clause*	**Tanım** */Description*	**Ortam Şartı** */Ambient Condition*	**Sonuç** */Result*
1.	Hinge Durability Test	22,9 °C, 50,2 %Rh	P
1.1	Hinge Loosening Check (45° / 30°)	23,2 °C, 50,8 %Rh	P
1.2	Hinge Loosening Check (10°)	22,2 °C, 50,5 %Rh	P
Ek Bilgi: */ Supplementary Information:*			
P: Uygun / Conformed **F:** Uygunsuzluk / Non-Conformity **N/A:** Uygulanabilir değil / Not Applicable			

Test Eden: */Tested by*	Ömer KIZILPINAR	**Onaylayan:** */Approved by*	Hasan Erdem ESMER
Ünvan: */Title*	Project Engineer	**Ünvan:** */Title*	Project Engineer
İmza: */Signature*		**İmza:** */Signature*	
Tarih: */Date*	27.10.2026	**Tarih:** */Date*	27.10.2026

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BÖLÜM 4: TEST EKİPMANLARI:
/SECTION 4: TEST EQUIPMENT

Ekipman Adı */Equipment Name*	**Üretici** */Manufacturer*	**Ekipman** */ID*	**Kalibrasyon Tarihi** */Calibration Date*	**Sonraki Kal. Tarihi** */Next Cal. Date*
Chronometer	Casio HS-80TW	EN 114	02.2026	02.2027
Apparatus for Circular and Angular Movements	Güney Elektrik	EN 275	02.2026	02.2027
Angle Meter	Mitutoyo	EN 039	03.2026	03.2027

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BÖLÜM 5: FOTO DOKÜMANTASYON
/SECTION 5: PHOTO DOCUMENTATION

General Photos:



Photo 1. General view of the Notebook



Photo 2. General view of the Notebook

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Test Photos:



Photo 3. Hinge view after the durability test of the Notebook



Photo 4. Hinge view after the durability test of the Notebook

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Photo 5. General view of the test setup