QR CODE

Report No.202600539IST

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.0694.00

HİZMET KAPSAMI / *SCOPE OF SERVICE*
Construction Check

RAPOR NUMARASI / *REPORT NUMBER*
202600539IST

YAYIMLANMA TARİHİ / *ISSUE DATE*
11.09.2026

TOPLAM SAYFA NUMARASI / *TOTAL NUMBER OF PAGES*
14

Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda belirtilmiştir.
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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Test Sonuç Özeti /Test Result Summary	
Tanım / Description	**Sonuç / Verdict**
1. System Performance and Gaming Benchmark Test	PASS
2. Display Brightness Uniformity Test	PASS
3. Thermal Performance Test	PASS
4. Hinge Durability Test	PASS
5. Battery Performance Test	PASS

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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

TEST */TESTING*	
Test Numunesi Geliş Tarihi: */Date of receipt of test item*	05.08.2026
Test Numunesi Kabul No: */Test item receipt number*	S26.0617
Test Numunesi Seri No: */Test item serial number*	SR004543863
Test Tarihi: */Date (s) of performance of tests*	06.08.2026 - 20.08.2026

İŞARETLEME ETIKETLERI */MARKING PLATES*





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

1- System Performance and Gaming Benchmark Test

CPU Performance Test						
		Intertek Test Results	Casper Test Results	Criteria	Difference (Intertek&Criteria)	Verdict (-/+ %3 PASS)
GeekBench (v6.2.2)	Single Core:	2.627	2.602	2.600	101%	PASS
	Multi Core:	13.831	14.024	13.000	106%	PASS
CineBench (vR23.2)	Single Core:	1.872	1.878	1.800	104%	PASS
	Multi Core:	14.782	14.354	14.100	105%	PASS

GPU Performance Test								
	Intertek Test Results			Intertek Test Result average	Casper Test Result average	Criteria	Difference (Intertek&Criteria)	Verdict (-/+ %3 PASS)
	Test 1	Test 2	Test 3					
Firestrike	27.760	27.367	28.536	27.987	27.964	26.000	108%	PASS
Firestrike Ultra	8.085	8.117	8.296	8.087	8.036	7.800	104%	PASS
Firestrike Extreme	16.170	16.053	16.663	16.141	15.973	16.000	101%	PASS

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COMBO Performance Test								
	Intertek Test Results			Intertek Test Result average	Casper Test Result average	Criteria	Difference (Intertek&Criteria)	Verdict (-/+ %3 PASS)
	Test 1	Test 2	Test 3					
PC Mark Extended Score	11.999	11.962	12.090	12.017	11.866	11.000	109%	PASS
Essential	9.487	9.557	9.525	9.523	9.445	9.500	100%	PASS
Productivity	18.000	18.280	18.281	18.187	17.079	14.000	130%	PASS
Digital Content Creation	13.667	13.635	13.615	13.639	13.654	13.000	105%	PASS
Gaming	24.000	23.223	24.348	23.857	24.214	23.000	104%	PASS

Gaming Performance Test						
		Intertek Test Results	Casper Test Results	Criteria	Difference	Verdict (-/+ %3 PASS)
Cyberpunk 2077	1080p Ultra	109	97	80	150%	PASS
	1080p High	120	120	90	121%	PASS
Forza Horizon 6	1080p Ultra	79	84	75	105%	PASS
	1080p High	92	108	85	108%	PASS

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2- Display Brightness Uniformity Test

Display Brightness Uniformity Test			
Test method	The device display is divided into nine equal sections, and the display luminance (nit) (cd/m²) of each section is measured using a spectrometer.		
	Intertek Test Results	**Criteria**	**Verdict**
Center	353	300	**PASS**
Maximum	353	N/A	**PASS**
Average	314	300	**PASS**

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3- Thermal Performance Test

Thermal Performance Test						
Test method	1- Open two different 2K videos simultaneously using Media Player and run them for 240 minutes (for case temperature). 2- Run HeavyLoad under 100% CPU and 100% GPU load for 60 minutes (for CPU and GPU temperature).					
Test scope	Measurement and recording of the temperature values at the specified measurement points after 240 minutes.					
Test duration	240 minutes + 60 minutes					
Ambient temperature	23,1 °C					
Measurement Points	**Intertek Test Results**		**Explanation**	**Criteria**	**Difference**	**Verdict**
	Max. Temperature (°C)	**Avg. Temperature (°C)**				**PASS: The result is below the specified criterion or does not exceed the criterion by more than 3%.**
WASD	26,7	26,2	Keyboard area heavily used during gaming	38	-29,7%	**PASS**
C Cover upper middle side	31,1	31	Upper case area aligned with the processor	50	-37,8%	**PASS**
C Cover down right side	27,8	27,7	Surface contacted by the right hand during keyboard use	35	-20,6%	**PASS**
D Cover CPU	37	36,9	Bottom cover area aligned with the processor	50	-26,0%	**PASS**
CPU	86	72	HWiNFO64, internal CPU sensor reading	90	-4,4%	**PASS**
GPU	87,6	85,4	HWiNFO64, internal GPU sensor reading	86	1,9%	**PASS**

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4- Hinge Durability Test

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 20000 cycles		
Test scope	20,000 opening and closing cycles		
	Intertek Test Results	**Criteria**	**Verdict**
5000 cycles	No deformation observed	No deformation	**PASS**
10000 cycles	No deformation observed	No deformation	**PASS**
15000 cycles	No deformation observed	No deformation	**PASS**
20000 cycles	No deformation observed	No deformation	**PASS**

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5- Battery Performance Test

Battery Performance Test			
Test method	After setting the device to 50% brightness, 50% volume, keyboard backlight off, and Wi-Fi and Bluetooth on, the time elapsed between 95% and 5% battery charge is logged using the Battery Logger application. (For devices with a dedicated graphics card, the GPU mode must be set to Hybrid Mode and the computer mode to Office Mode on the General page of Control Center, followed by restarting the device.)		
Test scope	Device discharge time from 95% to 5%		
	Intertek Test Results	**Casper Test Results**	**Verdict (A ±10% tolerance between the discharge time and the discharge rate is ACCEPTABLE.)**
%95 - %90	10 minutes	11 minutes	**PASS**
%95 - %60	83 minutes	82 minutes	**PASS**
%95 - %30	152 minutes	152 minutes	**PASS**
%95 - %5	206 minutes	211 minutes	**PASS**

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BÖLÜM 3: TEST SONUÇLARI:
/SECTION 3: TEST RESULTS

Madde */Clause*	**Tanım** */Description*	**Ortam Şartı** */Ambient Condition*	**Sonuç** */Result*
1	System Performance and Gaming Benchmark Test	22,7 °C, 49,9 %Rh	**P**
2	Display Brightness Uniformity Test	23,3 °C, 49,9 %Rh	**P**
3	Thermal Performance Test	23,1 °C, 49,7 %Rh	**P**
4	Hinge Durability Test	22,1 °C, 50,1 %Rh	**P**
5	Battery Performance Test	22,9 °C, 50,4 %Rh	**P**
Ek Bilgi: */ Supplementary Information:*			

P: Uygun / Conformed
F: Uygunsuzluk / Non-Conformity
N/A: Uygulanabilir değil / Not Applicable

Madde */Clause*	**Değerlendirme** */ Assessment*
1	No results outside the permissible deviations specified by the acceptance criteria were observed.
2	No results outside the permissible deviations specified by the acceptance criteria were observed.
3	No results outside the permissible deviations specified by the acceptance criteria were observed.
4	No results outside the permissible deviations specified by the acceptance criteria were observed.
5	No results outside the permissible deviations specified by the acceptance criteria were observed.

Test Eden: */Tested by*	Hasan Erdem ESMER	**Onaylayan:** */Approved by*	Hüseyin YAMAN
Ünvan: */Title*	Project Engineer	**Ünvan:** */Title*	Team Leader
İmza: */Signature*		**İmza:** */Signature*	 (e-signature)
Tarih: */Date*	11.09.2026	**Tarih:** */Date*	11.09.2026

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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*
Infrared - Visual Thermometer	Fluke	EN 9	10.2025	10.2026
Chronometer	Casio HS-80TW	EN 114	02.2026	02.2027
Temperature Recorder	HIOKI	EN 284	06.2026	06.2027
Calliper	INSIZE	EN 288	07.2026	07.2027
Miniature Spectrometer	Ocean Optics	EN 265 B	Initial Calibration	Initial Calibration

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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:

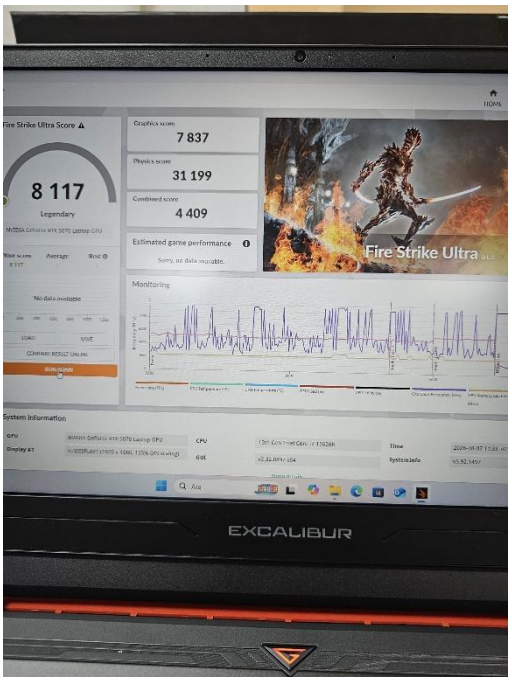


Photo 3. 3DMark test of the Notebook



Photo 4. Thermal performance test of the Notebook

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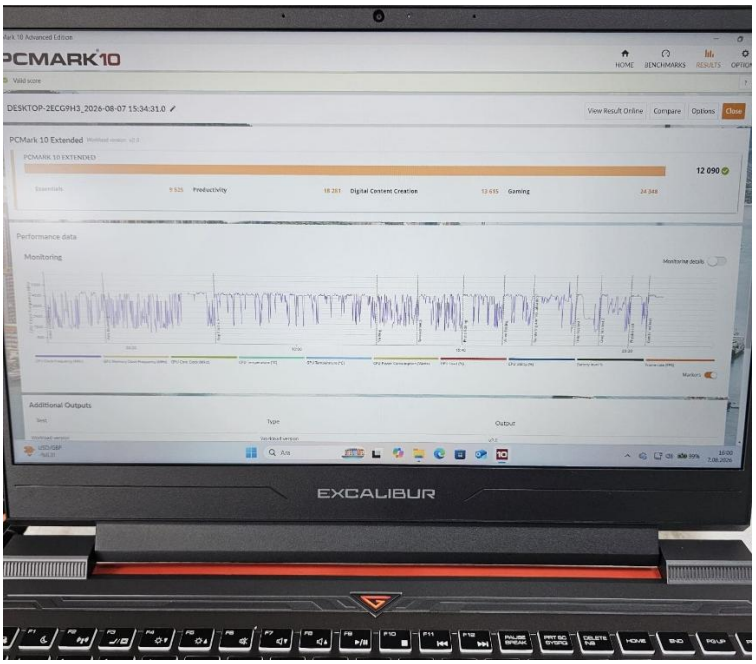


Photo 5. PCMark 10 extended test of the Notebook

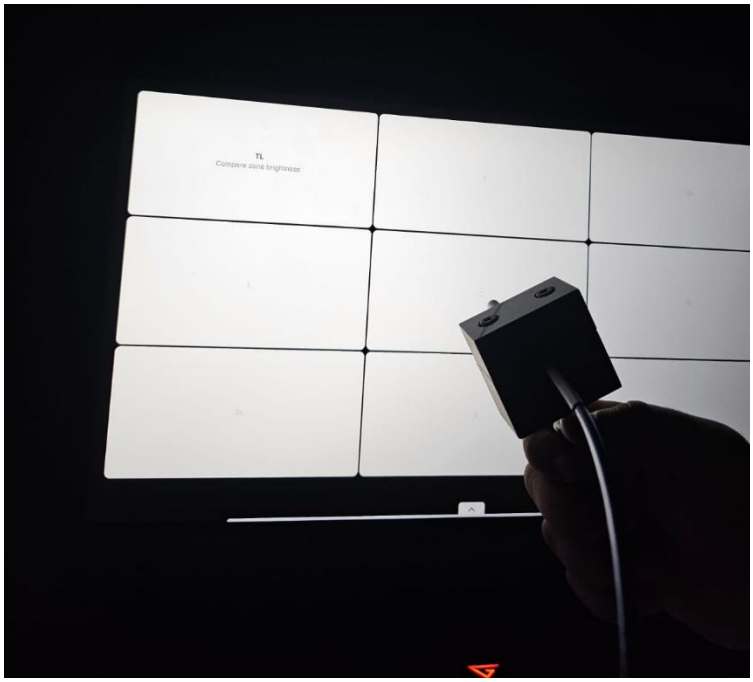


Photo 6. Screen Brightness Uniformity of the Notebook

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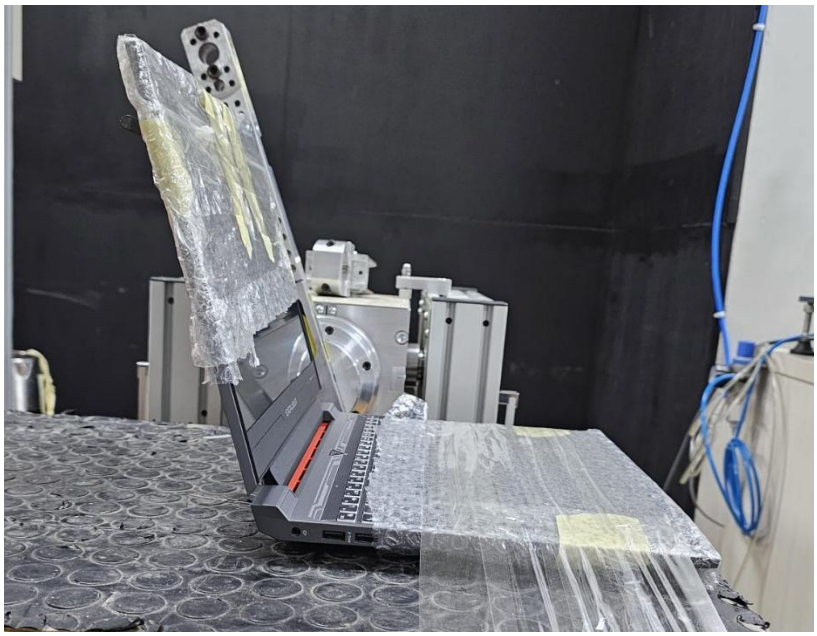


Photo 7. Hinge durability test of the Notebook