



# CERTIFICATE

TCO Certified Notebooks 5.0  
No.N517082044

This certificate is awarded to HP Inc. to confirm that HSN-Q07C has successfully met all requirements in TCO Certified Notebooks 5.0. Criteria in TCO Certified are designed to ensure that the manufacturing, use and recycling of this product are carried out with consideration for environmental, social and economic responsibility.

**Company:** HP Inc.  
1501 Page Mill Road, Palo Alto, CA 94304  
**Brand name:** HP  
**Model name:** HSN-Q07C  
**Product category:** Notebooks  
**Sales name:** HP ProBook 450 G5  
**Technical information:** See appendix

This certificate confirms that a sample of the certified product, as stated herein, has been tested and approved as to its compliance with the criteria document valid at the time of the laboratory test. The certified product may, subject to the use of the unique combination of brand name, type/model name and sales name as stated in this certificate, be marked and sold with the TCO Certified label in accordance with the agreement.

**Certification date:** 2017-08-28  
**Expiry date:** 2019-08-28

A handwritten signature in black ink, appearing to read 'Shuyue Wang'.

Shuyue Wang  
Certification process  
TCO Development



TCO Development has been an international driver in the field of Sustainable IT since 1992. Our mission is to ensure that the manufacture, use and recycling of IT products reflect environmental, social and economic responsibility. TCO Development is the company behind the TCO Certified third party sustainability certification for IT products.



## Appendix to certificate No. N517082044

Critical component:

AUO B156XTN07.1  
BOE NT156WHM-N42  
Innolux N156BGA-EA2  
AUO B156HAN04.1  
BOE NV156FEM-N42  
Innolux N156HCE-EAA  
LG Display LP156WF6 (SP)(M2)  
LG Display LP156WF6 (SP)(M5)  
AUO B156XTN07.1 with touch module: PLTC146 (ELK)  
BOE NT156WHM-N42 with touch module: PLTC146 (ELK)  
Innolux N156BGA-EA2 with touch module: PLTC146 (ELK)  
AUO B156XTN07.1 with touch module: MCF-156-2732 (O-FILM)  
BOE NT156WHM-N42 with touch module: MCF-156-2732 (O-FILM)  
Innolux N156BGA-EA2 with touch module: MCF-156-2732 (O-FILM)  
3.5 B(A)  
0 %  
2.59 kg  
On mode: 7.56 Watt  
Sleep mode: 0.59 Watt  
Off mode: 0.43 Watt  
16.9  
15.6 inches  
1366 Pixels  
768 Pixels  
Yes, Class 1  
hp TPN-DA07  
hp TPN-LA06  
hp HSTNN-AA44  
hp HSTNN-CA40  
hp HSTNN-DA40  
hp HSTNN-LA40  
hp TPN-EA02  
hp HSTNN-CA41  
hp TPN-AA03  
hp TPN-CA06  
hp TPN-CA07  
hp TPN-LA08  
hp PPP009A  
hp PPP009C  
hp PPP009D  
hp Series PPP019L-S

Operating mode sound level:  
Recycled plastic:  
Weight of product:  
Energy consumption:  
Aspect ratio:  
Panel size:  
Minimum resolution width:  
Minimum resolution height:  
Separate power supply:  
AC adapter(s):

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