

Life Cycle Assessment Verification Opinion

The Inventory of Life Cycle Assessment of
ASUS ExpertBook B9 B9400

which is calculated by

ASUSTeK Computer Inc.

No. 15, Li-De Road, Beitou District,
Taipei 112, Taiwan

Based on life cycle assessment verified in accordance
as meeting the requirements of

ISO 14040:2006 & ISO 14044:2006

Basis of Assessment
Cradle-to-Grave

Authorized by



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Version 1

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Product Name		ASUS ExpertBook B9 B9400						
Verification Unit		1 Set (Packaging material included)						
Functional Unit		1 Set (Packaging material included)						
Life Cycle Emissions								
Environmental Impact Indicator	Unit	Target Product Environmental Indicator Emissions						Functional Unit Emissions
		Material	Manufacture	Distribution	Use	Disposal	Total	
Acidification (fate not incl.)	kg SO2 eq	1.119	0.001	0.032	0.171	2.909E-04	1.325	1.325
Eutrophication	kg PO4--- eq	0.181	2.348E-04	0.005	0.020	5.243E-05	0.207	0.207
Global warming (GWP100a)	kg CO2 eq	170.001	0.567	6.649	41.413	0.230	218.861	218.861
Photochemical oxidation	kg NMVOC	0.660	0.001	0.037	0.096	3.740E-04	0.795	0.795
Abiotic depletion, elements	kg Sb eq	0.053	1.251E-04	3.238E-06	2.301E-04	1.345E-07	0.053	0.053
Abiotic depletion, fossil fuels	MJ	1911.385	3.167	93.070	494.377	0.624	2502.624	2502.624
Water scarcity	m3 eq	44.845	0.125	0.098	6.807	0.006	51.882	51.882
Ozone layer depletion (ODP) (optional)	kg CFC-11 eq	1.693E-05	5.916E-08	1.187E-06	1.991E-06	7.407E-09	2.017E-05	2.017E-05

The contents of environmental impact indicators verification covers the following:

- Manufacturing location :
 - B01, Section C, Airport Function Zone, Lianglu Cuntan Free Trade Port Area, Yubei District Chongqing City, China
- Environmental impact indicators verification information for the following production period was verified : 01 January 2021 to 31 December 2021.
- Product Category Rule : Nil
- Life cycle assessment tool and index :
 - Life cycle emissions are calculated by Simapro 9.3.0.2.
 - Data resources : The data collection is from Ecoinvent 3.8.

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