SuMPO EPD JAPAN VERIFIED

SuMPO EPD
Type Ⅲ Environmental Declaration (EPD)

Japan EPD Program by SuMPO
Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

Registration number： JR-BF-25001E

VAIO Corporation

VAIO SX14-R, VAIO Pro PK-R

Functional unit

System boundary

■ final products　□intermediate products

Raw material procurement, production, distribution, use, and disposal stages

Main specifications of the product

・VAIO SX14-R(for personal use)
・VAIO Pro PK-R(for corporate use)
・Intel® Core™ Ultra 7-155H Processor with 16-Cores
Processor Speed: up to 4.8GHz
・Memory (RAM):16GB
・Storage:2TB PCIe SSD
・Display:14" WQXGA (2560 x 1600)
・Main unit weight：approx. 1.1kg
・Intended lifespan: 4 years

*This product will be sold in Japan and overseas.

Company Information

VAIO CORPORATION
TEL:0263-87-0810

Registration#	JR-BF-25001E
PCR number	PA-520000-BF-04
PCR name	Product Category Rulefor: IT equipments
Publication date	1.July.2025
Verification date	25.June.2025
Verification method	Product-by-product
Verification#	JV-BF-25001
Expiration date	25.June.2030

PCR review was conducted by:

Approval date	08/15/23
PCR review panel chair	KEN YAMAGISHI Affiliation Sustainable Management Promotion Organization (SuMPO)

Third party verifier*

Atoh Takahiro

Independent verification of data & declaration in accordance with ISO14025

□internal　■external

*Auditor's name is stated if system certification has been performed.

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Results of life cycle impact assessment (LCIA)

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life	Optional supplementary information beyond the system boundary
Global Warming Potential total (GWP-total)	kg-CO_2eq	2.8E+02	4.5E+00	3.9E-01	2.9E+01	1.3E+00	0.0E+00
Ozone layer destruction	kg-CFC-11eq	3.9E-05	2.6E-07	1.6E-11	1.7E-06	7.9E-09	0.0E+00
Eutrophication	kg-PO_4^{3}-eq	1.6E-02	5.3E-07	1.8E-09	3.5E-06	1.5E-06	0.0E+00
Acidification	kg-SO_2eq	3.6E-01	4.3E-03	5.1E-04	2.9E-02	9.6E-04	0.0E+00
Photochemical ozone	kg-C_2H_4eq	1.1E-02	7.4E-05	3.4E-06	4.9E-04	5.6E-06	0.0E+00

Life cycle inventory analysis (LCI)

Indicators describing use of primary resources

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life	Optional supplementary information beyond the system boundary
RPR_E	MJ	1.4E+03	4.3E+01	2.1E-03	2.9E+02	1.2E+00	0.0E+00
RPR_M	MJ	2.7E+01	7.7E-04	3.6E-06	5.1E-03	1.3E-04	0.0E+00
$NRPR_E$	MJ	5.5E+03	1.3E+02	4.2E+00	8.9E+02	5.4E+00	0.0E+00
$NRPR_M$	MJ	8.7E+02	5.3E-02	1.4E-05	3.5E-01	4.7E-02	0.0E+00

RPRE＝renewable primary resources used as an energy carrier (fuel)

RPRM＝renewable primary resources with energy content used as material

NRPRE＝non-renewable primary resources used as an energy carrier (fuel)

NRPRM＝non-renewable primary resources with energy content used as material

ADP fossil, consumption of freshwater, and emissions and removals of CO2

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life	Optional supplementary information beyond the system boundary
Mandatory inventory parameters							
ADP fossil	MJ	4.6E+03	6.2E+01	5.2E+00	4.1E+02	3.8E+00	0.0E+00

Waste to disposal

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life	Optional supplementary information beyond the system boundary
Hazardous waste eisposed	kg	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Non-hazardous waste disposed	kg	4.5E+00	1.4E-02	3.3E-04	9.1E-02	1.4E-01	0.0E+00

Additional explanation

Power consumption during use was measured using the measurement method specified in JISC62623:2014 Method of Measuring Power Consumption of Personal Computers for domestic sales, and in the case of overseas sales, the measurement method specified in the Energy Star Computers Specification Version 8.0. The calculation was based on the weighted average power consumption of the number of units sold in Japan and overseas."Primary data collected in Japanese yen may be affected by exchange rate fluctuations, so caution is advised."

Supplementary environmental information

This product is manufactured in an ISO 14001 certified factory.
The product is U.S. EPA EnergyStar certified.

Material composition

Material		Unit
Plastic (PC+ABS) buttons, LCD frame, hinge cover,	3.0	%
Plastic (CFRP/GFRP) bottom and LCD housing	12.6	%
Other plastics (tape, rubber , labels, PET sheet, etc.)	1.1	%
Lithium ion battery☒	11.7	%
Mounted boards (main and child boards)	7.0	%
Unit equipment (keyboards, camera, fan, touch pads)	7.8	%
LCD units and LCD cables	7.5	%
Metal (iron, SUS) (screws, brackets)	1.7	%
Aluminum (palm rest)	3.5	%
Magnets	0.0	%
Non-metal (copper, copper alloy) heat sinks, hinges, screws	4.3	%
Cables (antenna cables, WAN cables, FFC cables,	2.0	%
PD adapters	11.2	%
Cardboard packaging materials (packaging)	17.7	%
Paper (manuals and boxes)	6.9	%
Other (textile and cellulose bags, labels)	1.8	%

Regulated hazardous substances

Substance	CAS No.	Reference to standards or regulations

Assumptions of secondary data used

Used IDEAv3.4

Remarks

- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.
  （Reference URL：https://ecoleaf-label.jp/regulation/）
- This is a selfdeclared translation of EPD that can be accessed at [https://ecoleaf-label.jp/epd/2340]