END PRODUCT LIFE SHEET

Disassembly Instructions according to the requirements of WEEE Directive 2012/19/EU Article 4,11 & Annex V

Applicant:	Shenzhen Roborock Innovation Technology Co., Ltd.
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Attn:	Ms.LU
Sample Description:	Cordless Stick Vacuum Cleaner + Auto-Empty Dock
Model No.:	H9A1A+MDS23HRR
Sample Received Date:	2025-02-18 ~ 2025-03-17
Test Period:	2025-03-01 ~ 2025-03-28
Purpose of Evaluation:	End of life product sheet (Form B) Disassembly instructions according to the requirement of WEEE Directive 2012/19/EU Article 4,11 & Annex V
Evaluation:	Part A- Sample disassembly Part B- Selective Treatment for Materials and Components Part C- Product Design (2012/19/EU Article 4) Part D- Theoretical sum of reuse, recycling and recovery weight percentages of materials (2012/19/EU Article 11 & ANNEX V) Part E- Theoretical recovery rate
Remarks:	1. This technical report was based on the submitted product by the requirement of client. 2. Sample(s) was tested as received.

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TÜV SÜD Certification and Testing (China) Co., Ltd.
TÜV SÜD Group

Prepared by:

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Disclaimer Measurement Uncertainty: Unless otherwise agreed upon, Pass or Fail verdicts are given base on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail. Any use for advertising purposes must be granted in writing. This test report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

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1. Description of the evaluated product

1.1 Picture of product

Product	Model	Photograph
Cordless Stick Vacuum Cleaner + Auto-Empty Dock	H9A1A+MDS23HRR	

1.2 Product weight Data

Product weight before disassembly: 9630g
Product weight after disassembly: 9617.7g
Lost rate: <1%

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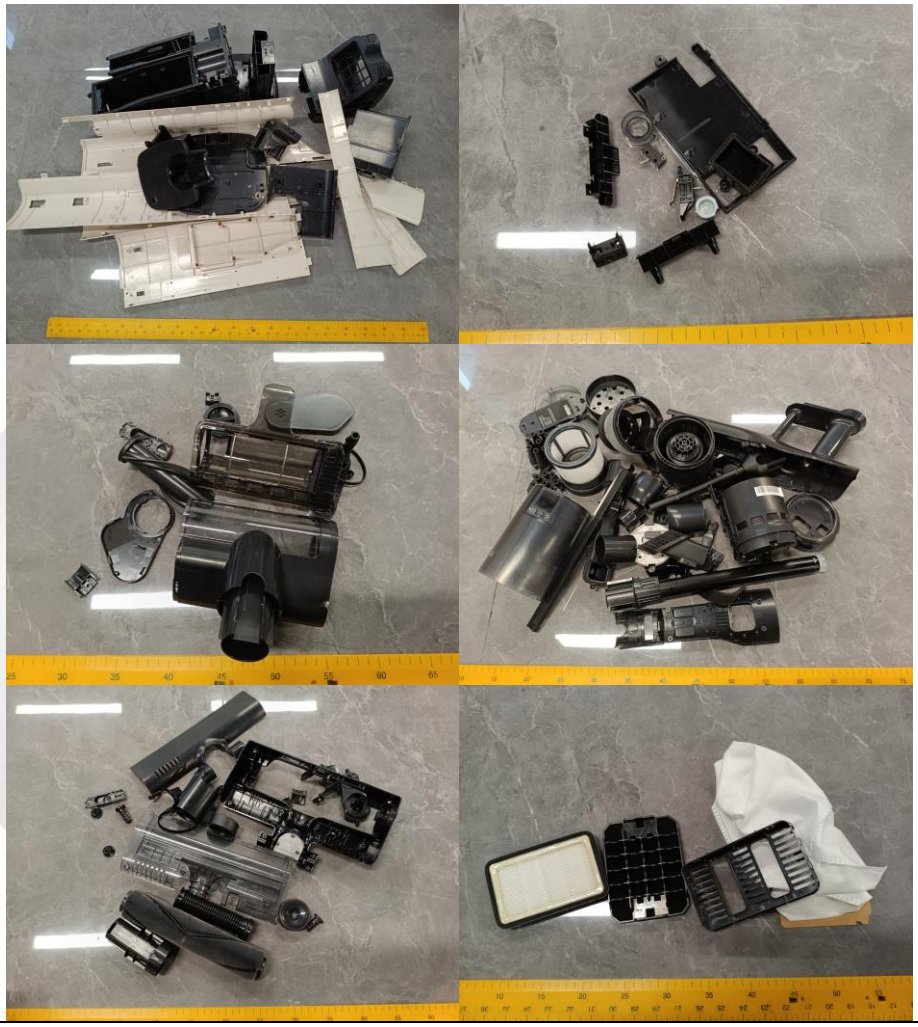
2. Conformity Evaluation

Part A- Sample disassembly

Material Group:	01
Description:	Plastic & Polymer material
Photo reference:	

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Part A- Sample disassembly

Material Group:	02
Description:	Silicon, rubber
Photo reference:	

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Part A- Sample disassembly

Material Group:	03
Description:	Metal / Metallic plated metal material
Photo reference:	

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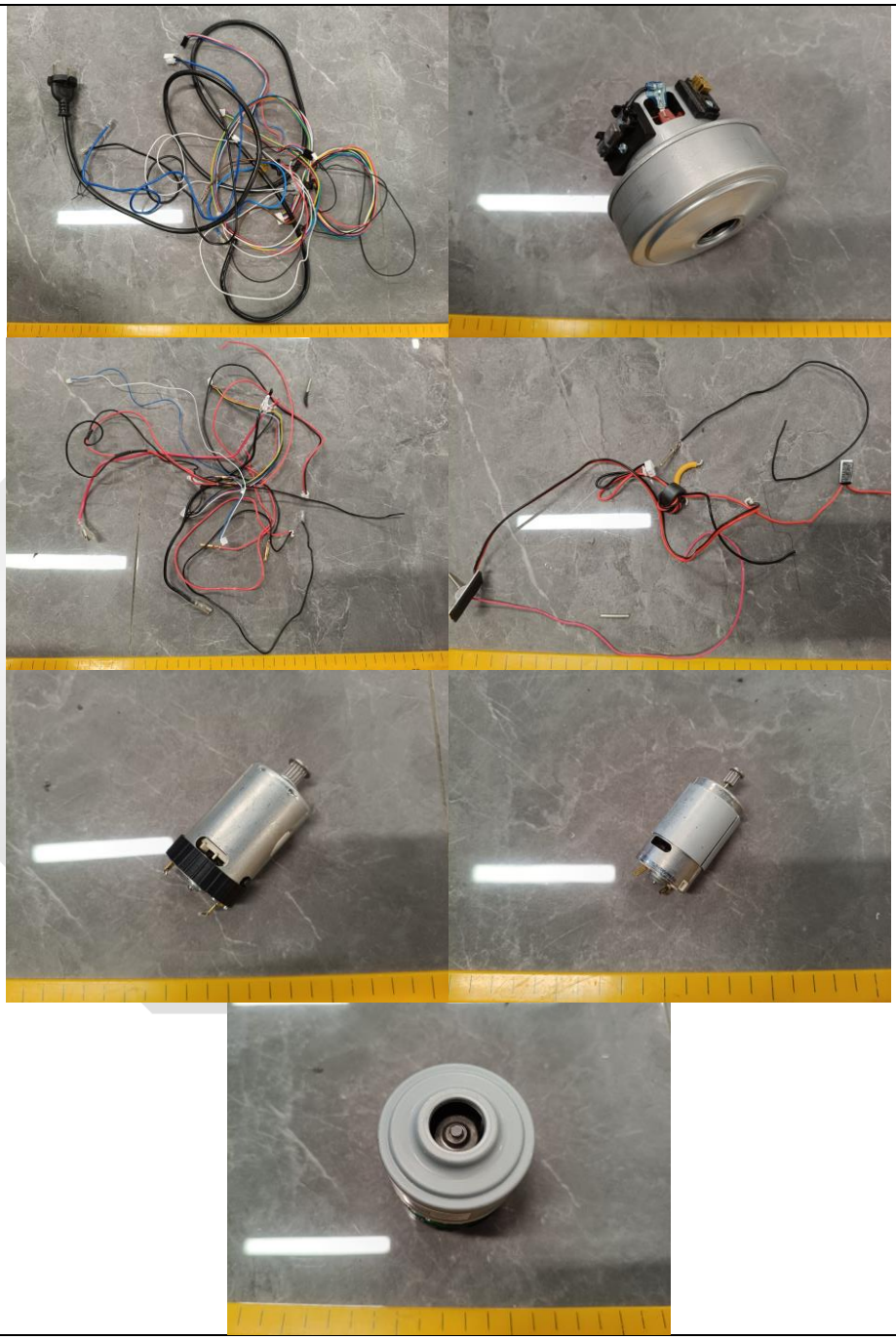
Part A- Sample disassembly

Material Group:	04
Description:	Plastic & Metal mixed material
Photo reference:	

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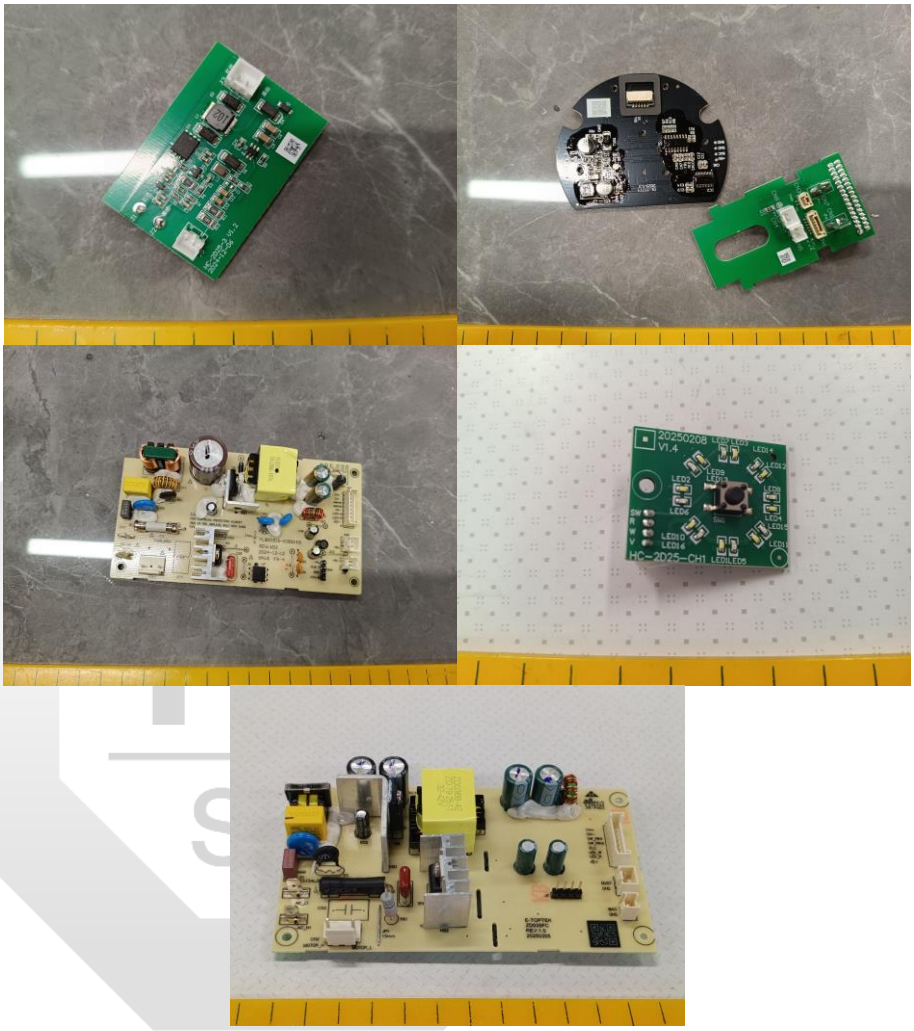
Part A- Sample disassembly

Material Group:	05
Description:	Miscellaneous material
Photo reference:	

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Part A- Sample disassembly

Material Group:	06
Description:	Battery Pack
Photo reference:	

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2. Conformity Evaluation

Part B Selective Treatment for Materials and Components
According to Article 8(2) and the Annex VII of the WEEE directive, the following components and materials should be selective treated.

Group No.	Description	Weight (Gram)
05	-printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres,	134.6
06	Battery pack	578.2

Part C- Product Design (2012/19/EU Article 4)

Requirement	Observation	Conformance
Design and production of electrical and electronic equipment which take into account and facilitate dismantling and recovery of the components and materials. The design features or manufacturing processes do not prevent the product from being reused.	Different parts can be separated easily.	Y

For this product, manual operation and disassemble tools have been applied to separate the components and materials as following:

Disassembly tools	Scissors	
	Screw driver set	
	Nipper pliers	

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2. Conformity Evaluation

Part D- Theoretical sum of reuse, recycling and recovery weight percentages of materials (2012/19/EU Article 11 & ANNEX V)

Based on the information declared by the applicant, the materials involved are listed below with relevant evaluation results.

Component description	Group No.	Weight (Gram)	Percent Weight	Reuse/ Recycling Rate	Energy Recovery Rate	Recovery Rate
Plastic & Polymer material	01	6775.1	74.95%	60.71%	7.49%	68.20%
Silicon, rubber, textile	02	194.4	2.15%	0.00%	2.04%	2.04%
Metal & Metallic	03	288.7	3.19%	3.03%	0.00%	3.03%
Plastic & Metal Mixture	04	1646.7	18.22%	15.49%	1.28%	16.76%
Miscellaneous	05	134.6	1.49%	1.34%	0.00%	1.34%
Battery package / Cell	06	578.2	0.00%	0.00%	0.00%	0.00%
Total		**9617.7**	**100.00%**	**80.57%**	**10.81%**	**91.38%**

Part E- Theoretical sum of reuse, Recycled and recoverable weight percentages of materials (2012/19/EU Article 11 & ANNEX V)

The reuse and Recycled weight and recoverable weight % of the samples:

Product	Prepared Re-use and Recycled weight %	Recovered weight %	Conformance#
Requirement*	**80**	**85**	**/**
Large equipment	80.57	91.38	**Y**

 # Conformance means prepared re-use and recycled weight percentage is greater than 80 and recovered weight percentage is greater than 85.
*** The requirement is quoted form Annex V of Directive 2012/19/EU for product**

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Annex I: Definition of Reuse, Recycled and Recovered

'Reuse' means any operation by which WEEE or components thereof are used for the same purpose for which they were conceived, including the continued use of the equipment or components thereof which are returned to collection points, distributors, recyclers or manufacturers

'Recycled' means the reprocessing in a production process of the waste materials for the original purpose or for other purposes, but excluding energy Recovered which means the use of combustible waste as a means of generating energy through direct incineration with or without other waste but with Recovered of the heat

'Recovered' means any of the applicable operations provided for in Annex IIB to Directive 75/442/EEC as follow:

R 1 Use principally as a fuel or other means to generate energy
R 2 Solvent reclamation/regeneration
R 3 Recycled/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
R 4 Recycled/reclamation of metals and metal compounds
R 5 Recycled/reclamation of other inorganic materials
R 6 Regeneration of acids or bases
R 7 Recovered of components used for pollution abatement
R 8 Recovered of components from catalysts
R 9 Oil re-refining or other reuses of oil
R 10 Land treatment resulting in benefit to agriculture or ecological improvement
R 11 Use of wastes obtained from any of the operations numbered R 1 to R 10
R 12 Exchange of wastes for submission to any of the operations numbered R 1 to R 11
R 13 Storage of wastes pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where it is produced)

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Annex II: Recycled and Recovered Rate Calculation

Reuse Recycled& Recovered Rate applied herewith are calculated as following：

$$\text{Reuse \& Recycled Rate} = \frac{\text{Reuse \& Recycled Weight}}{\text{Product Total Weight}} \ (\%)$$

$$\text{Recovered Rate} = \frac{\text{Recovered Weight}}{\text{Product Total Weight}} \ (\%)$$

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Annex III: ANNEX VII of WEEE Directive (2012/19/EU)

Selective treatment for materials and components of waste electrical and electronic equipment:

As a minimum the following substances, preparations and components have to be removed from any separately collected WEEE:

- Polychlorinated biphenyls (PCB) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT).
- Mercury containing components, such as switches or backlighting lamps.
- Batteries.
- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimeters.
- Toner cartridges, liquid and pasty, as well as colour toner.
- Plastic containing brominated flame retardants.
- Asbestos waste and components which contain asbestos.
- Cathode ray tubes.
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC).
- Gas discharge lamps.
- Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimeters and all those back-lighted with gas discharge lamps.
- External electric cables.
- Components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress for the 23rd time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.
- Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation.
- Electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume).

---------End of Report---------

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