TEST REPORT

CheckCode:313924
Report No.:C202213016261E

Applicant: Lumi United Technology Co., Ltd
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The following sample information was submitted and identified by/on the behalf of the client

Name:	Smart Pet Feeder C1
Specifications:	PETC1-M01
Product Weight(g):	1566.91
Product Size(mm):	310×165×190
Category under the WEEE Directive:	Category 5（Small equipment (no external dimension more than 50 cm)）

Date of Receipt: Jun.23, 2022 Test Period: Jun.23, 2022 – Jul.8, 2022

Test Request: Calculation of the Reuse/Recycling and Recovery Targets under the 2012/19/EU WEEE Directive.

Test Result: Please refer to following page(s).

Edited by Liang Qiuxia Reviewed by Huang Yingkun Approved by Zheng Xiaoqing

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Seal of: GUANGZHOU GRG METROLOGY & TEST CO., LTD.

Issue date:Aug.23,2022

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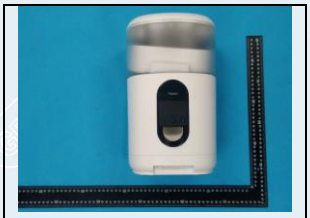
1. Result of Reuse/Recycling Rate and Recovery Rate Assessment

Reuse/Recycling and Recovery	Reuse/Recycling /Recovery Targets under the 2012/19/EU WEEE Directive	Result of Assessment	WEEE requirement
Reuse/Recycling Rate (%)	55	80.06	PASS
Recovery Rate (%)	75	90.21	PASS

2. Photos of tested sample

Model No.: PETC1-M01



A

 **A1**	 **A2**	 **A3**	 **A4**
 **A5**	 **A6**	 **A7**	 **A8**

 A9	 A10	 A11	 A12
 A13	 A14	 A15	 A16
 A17			

3. Disassembly Procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex VII of the WEEE Directive. In addition, to consider economic and efficiency factors, manual operation and disassembly tools have been applied to separate the components and materials from this product in order to simulate the scenario at the treatment facility, and to achieve the objective that the separated components and materials can be reused/recycled and recovered.

4. Assessment Results

4.1 Assessment Summary

Product Name/ Model No.	Smart Pet Feeder C1/ PETC1-M01	
		
Total Weight(g)	1566.91	
Disassembly tool	Crosshead screwdriver	Bevel pliers
	Garden scissors	
Disassembly Time (s)	1000	
Material and Recycling Information	See 4.2 Material and Recycling Information	

4.2. Material and Recycling Information

According to the information declared by the applicant company, the material and recycling information for this product is described in the following table.

The Reuse/recycling and recovery assessment for this product is based upon economic and efficiency considerations, and the waste treatment technologies and equipment that are most frequently available to the market.

Component / Material Composition	Photo No.	Picture number	Weight (g)	Percent Weight (%)	Reuse/ Recycling (%)	Energy Recovery (%)	Recovery (%)
Plastic cement	ABS	A1,A,A6	1050.82	67.06	59.02	0.00	59.02
	Silica gel	A5,A14	27.51	1.76	0.00	1.58	1.58
	POM	A7,A10	17.50	1.12	0.98	0.00	0.98
Metal	SS304	A3,A17	126.15	8.05	7.89	0.00	7.89
	Iron	A4,A8	4.70	0.30	0.29	0.00	0.29
PCB		A9	13.66	0.87	0.78	0.00	0.78
Hybrid components		A11,A12, A13,A15, A16	326.57	20.84	11.10	8.57	19.66
Total			1566.91	100.00	80.06	10.15	90.21

Note:

Due to their insignificant weight and the difficulty of their separation in a manual operation, sticker, solder, paint and printing materials are not included in this assessment.

Plastic containing brominated flame retardants is not assessed in the list.

5. Reuse/Recycling and Recovery Rate Calculation

Reuse/Recycling & Recovery Rate using in the report are calculated as following formulas：

$$\text{Reuse/Recycling Rate} = \frac{\text{Reuse/Recycling Weight}}{\text{Product Total Weight}} \quad (\%)$$

$$\text{Recovery Rate} = \frac{\text{Reuse/Recycling Weight + Energy Recovery Weight}}{\text{Product Total Weight}} \quad (\%)$$

Total weigh of the product is including the main product and accessories.

6. ANNEX VII of WEEE Directive

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

— 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) (1).

— 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 centimetres.

— 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 Council Directive 67/548/EEC 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 ionising radiation .

— Electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume).

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