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WEEE TEST REPORT

European Directive 2012/19/EU

| Evaluation of WEEE Requirements for Electrical and Electronic Equipment | |
|--|---|
| Test report No: RE-P-240000-1-001 | |
| Date of receipt: Aug. 00, 2024 | |
| Date of issue: Sep. 00, 2024 | |
| Test of period: Aug. 00, 2024 ~ Sep. 00, 2024 | |
| Applicant's name | |
| Address | |
| | |
| Manufacturer's name | |
| Address | |
| | |
| Factory's name | |
| Address | |
| | |
| Product name | |
| Basic Model: U0000 | |
| Series Model:- | |
| Test Specifications : | |
| Directive | |
| Test Standard (62) | |
| Test / Orated Association | |
| Adu ongtan BIZ Tower #1007, 63-12, Dongtancheomdansaneop 1-ro, | |
| Hwaseong-si, Gyeonggi-do, Republic of KOREA | |
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| of applicant. Also it is not allowed to copy this report even partly without the allowance of publisher. | |
| Also this publication represents for the evaluation results of the issued test item only - any type of EEE | |
| The evaluation results mean only the tested item is evaluated with recovery requirement of the WEEE | |
| Directive according to the evaluation procedures which is described in this publication. | |
| Tested by : Reviewed by : | |
| | |

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1. General product information



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1. General product information



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1. General product information

| Product Category according to Annex Ⅲ of 2012/19/EU | | | | |
|---|--|--|--|--|
| Type of Category | : Category 5. Small equipment | | | |
| Total weight (g) | 207.19 | | | |
| Connection technique | : ► Screw ► Bonding ► Soldering ► Cable connector Cable connector Cable connector | | | |
| Disassembly tools | : ► Screw driver ► Flat-head ► Long ► Nipper | | | |
| Disassembly | | | | |
| F POY | ee 3 Recycling and recovery rate of calculation table | | | |
| Recycling to e (%) | : 55.0 | | | |
| Recovery rate (%) | : 75.0 | | | |

- SEL tested the Car Black Box was selected by applicant.
- The model U0000 is the basic model that was tested.







2. 2012/19/EU Summary

2.1 WEEE Directive 2012/19/EU, Article 11 - Recovery targets Classification Recycling rate (%) Recovery rate (%) ► Temperature exchange equipment 80 85 ► Large equipment ►Screens, monitors, and equipment containing screens having a surface 70 greater than 100 cm² Ci3Ci3CII ► Small equipment ► Small IT and telecommunication equipment (no external dimension

2.2 Dis

more than 50 cm)

embled into different parts which were major based on the treatment

requirements as a setout in the WEEE Directive Annex V.

Material, of which a recycling technology is not available or the recycling is not

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economy and feasible at present, is assumed to be shredded, incinerated or disposed

for landfill without further usage.







2. 2012/19/EU Summary

2.3 Selective treatment

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

- ► Polychlorinated biphenyls (PCBs) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCBs/PCTs)
- ► Mercury containing components, such as switches or blacklighting lamps
- ▶ Batteries
- ► Printed circuit boards of mobile phones generally, and of other devices circuit board is greater than 10 square centimeters
- ► Toner cartridges, liquid and pasty, as well as colour to
- ► Plastic containing brominated flame retardar
- ► Asbestos waste and components
- ► Cathode ray tube
- ► Chlorofluorocari drich pr arbons (HCFCs) or hydrocarbons (HCs)
- ► Gas d
- splays for er with their casing where appropriate) of a surface greater than arreal in the same and all those back-lighted with gas discharge lamps
- ► Ext allel and 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 labeling of dangerous substances
- ► Components containing radioactive substances with the exception of component that are below the exemption thresholds set in Article 3 of and Annex | to Council Directive 96/29/Euratom
- ► Electrolyte capacitors containing substances of concern (Height > 25 mm, Diameter > 25 mm)

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3. Recycling and recovery rate of calculation table

3.1 IEC/TR 62635 Annex D Table D.2

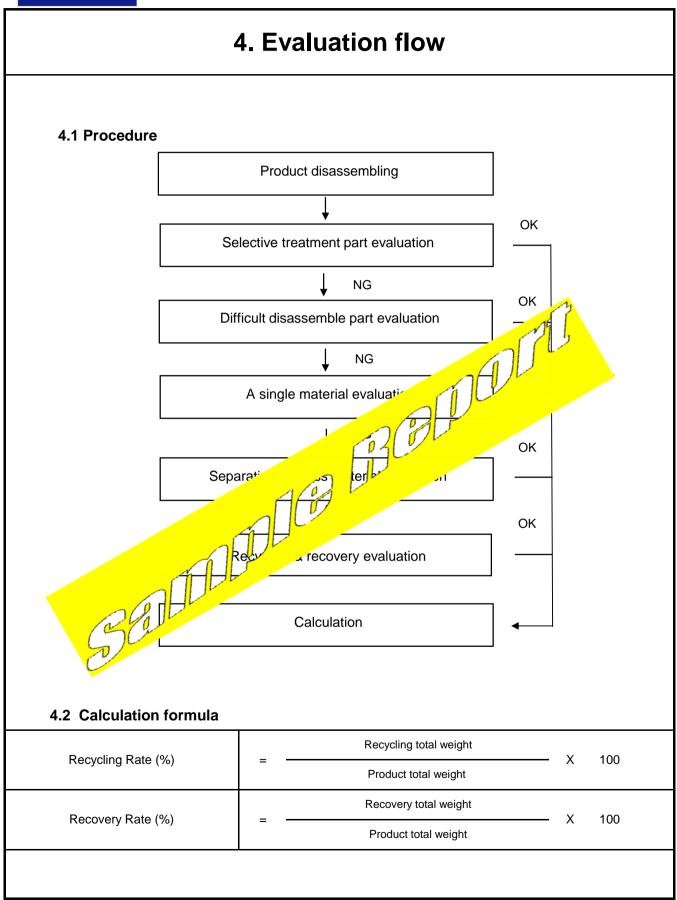
- Recycling and recovery rate of product parts with a single recyclable material

| Material name | Recycling rate RCR (%) | Recovery rate RVR (%) | |
|---------------------------------------|---------------------------|--------------------------|--|
| ABS (acrylonitrile butadiene styrene) | 90 | 90 | |
| PP (polypropylene) | 90 | 90 | |
| HIPS (high impact polystyrene) | 90 | 90 | |
| GPPS (general purpose polystyrene) | 98 | 98 | |
| SAN (styrene acrylonitrile) | 98 | Say | |
| PC (polycarbonate) | 90 | 196 | |
| Steel (general) | 95 | | |
| Stainless steel (magnetic) | 5 | | |
| Stainless steel (non-magnetic) | 5 | 95 | |
| Aluminum | | 95 | |
| Copper | 98 | 98 | |
| Nickel pure | 95 | 95 | |
| Zinc die | 95 | 95 | |
| | 95 | 95 | |
| EP OXT Sim | 0 | 90 | |
| PF (phene rormaldehyde resin) | 0 | 90 | |
| PUR (polyurethane foam) | 0 | 90 | |
| Glass (door panel) | 0 | 0 | |
| Glass (shelf) | 0 | 0 | |



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5. Disassembling results

5.1 Component detailed information (THINKWARE DASH CAM REAR Ass'y of U1000)

| | | ī | | | | |
|-------|-----------|---------------------------------|--------------------|-------------------------|------------------------|------------------------|
| | | Part name | | REAR COVER ASS'Y | Connection type | - |
| | | Material type Disassembly tools | | - | Evaluation | Further disassembly |
| 2-1 | | | | - | Disassembly time (sec) | - |
| | | Weight (g) | Recycling rate (%) | Recycling weight (g) | Recovery rate (%) | Recovery yweight (g) |
| | | - | Not applicable | - | Nabr | , - |
| | | Pa | irt name | REAR CC | Opnrect | |
| | | N | faterial type | | | Table D.6 |
| 2-1-1 | | Disa | | Scr | Jassembly time (sec) | 5 |
| | Ellin III | a) (| Re lip | ycling weight (g) | Recovery rate (%) | Recovery weight (g) |
| | | 1.4 | 17 | 13.61 | 95 | 13.76 |
| | | Pa | art name | REAR COVER DECO | Connection type | Grip |
| | | N | laterial type | PC | Evaluation | Table D.8 |
| 2-1-2 | G) Car | | assembly tools | Awl | Disassembly time (sec) | 2 |
| | | Weight (g) | Recycling rate (%) | Recycling weight (g) | Recovery rate (%) | Recovery weight (g) |
| | | 0.69 | 94 | 0.65 | 95 | 0.66 |
| | | Pa | rt name | REC BUTTON | Connection type | Putting |
| | | N | laterial type | OTHER POLYMERS | Evaluation | Table D.6 |
| 2-1-3 | | Disassembly tools | | Awl | Disassembly time (sec) | 5 |
| | | Weight (g) | Recycling rate (%) | Recycling weight (g) | Recovery rate (%) | Recovery weight (g) |
| | | 0.45 | 0 | 0.00 | 5 | 0.02 |

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| 5. Disassembling results | | | | | |
|---|------------------------------|---------------|--|--|--|
| 5.2 Calculation | | | | | |
| Information | Weight (g) | Weight (%) | | | |
| 1. Product total | #REF! 100 | | | | |
| 2. Recycling | #REF! | #REF! | | | |
| 3. Recovery | #REF! #REF! | | | | |
| 4. Disposal | 0.0 #RE!! | | | | |
| | | | | | |
| Other information | Other information ration for | | | | |
| Recycling Rate (%) = X 100 | | | | | |
| Recovery total weight Recovery Rat Product total weight | | | | | |
| 5.3 Test resul | | | | | |
| Item | Target | Test result | | | |
| Recycling Rate (%) | 55 | #REF! | | | |
| Recovery Rate (%) | 75 | #REF! | | | |
| | - End of Report - | | | | |

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