

Test Report

No.: EDG2107160108C00601R

Date: Jul. 30, 2021

Page 1 of 7

Applicant : Shanghai HOTO Technology Co., Ltd.
Address : Building 45, No. 50 Moganshan Rd, Putuo District, Shanghai, PRC, 200060.


Sample Name : HOTO Electric Precision Screwdriver Set
Style/Item No. : QWLSD010
Manufacturer : Shanghai HOTO Technology Co., Ltd.
Factory : Dongguan Charles Electrical Technology Co., Ltd.
Address : No. 6 Huanggongkeng Road, Tongsha Industrial zone, Dongcheng district, Dongguan city, 523127, Guangdong province, China

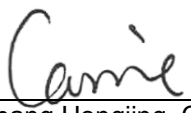
Received Date : Jul. 19, 2021
Test Period : Jul. 19, 2021 ~ Jul. 30, 2021

Reuse/Recycling/Recovery Assessment Result:

Reuse/recycling/recovery	Reuse/Recycling(%)	Recovery(%)
Target of reuse/recycling/recovery for WEEE	55	75
Result of Assessment	92.77	93.73
WEEE Directive 2012/19/EU	Meet	Meet
Remark: As requested by the client, the product belongs to Annex III – category 5, refer to Annex V – part 3(c)		

Signed for and on behalf of
EMTEK(Dongguan) Co., Ltd.

Prepared by: 
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Report Engineer

Reviewed by: 
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Supervisor

Approved by: 
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Authorized signatory
Jul. 30, 2021

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Test Report

No.: EDG2107160108C00601R

Date: Jul. 30, 2021

Page 2 of 7

1. Product information:

1.1 Picture of product prior to disassembly:



Product weight before disassembly: 325.75g.

Product weight after disassembly: 325.64g.

Lost rate: 0.03%.

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Test Report

No.: EDG2107160108C00601R

Date: Jul. 30, 2021


Page 3 of 7

2. Disassembly procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex III 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.

2.1 Remove component and materials prior to disassembly:

According to Article 6(1) and Article 8(2) of WEEE Directive, as per the list from Annex VII, component and materials below need to be removed.

Component/materials	Picture	Weight(g)
Battery		9.26

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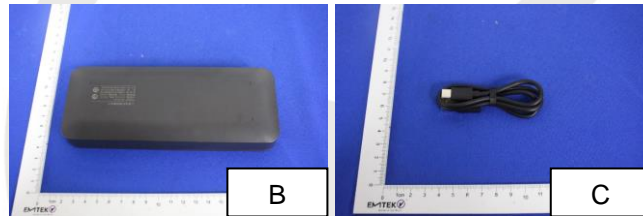
Date: Jul. 30, 2021

Page 4 of 7

2.2 Disassembly process: Step 1:



Step 2:



Step 3:



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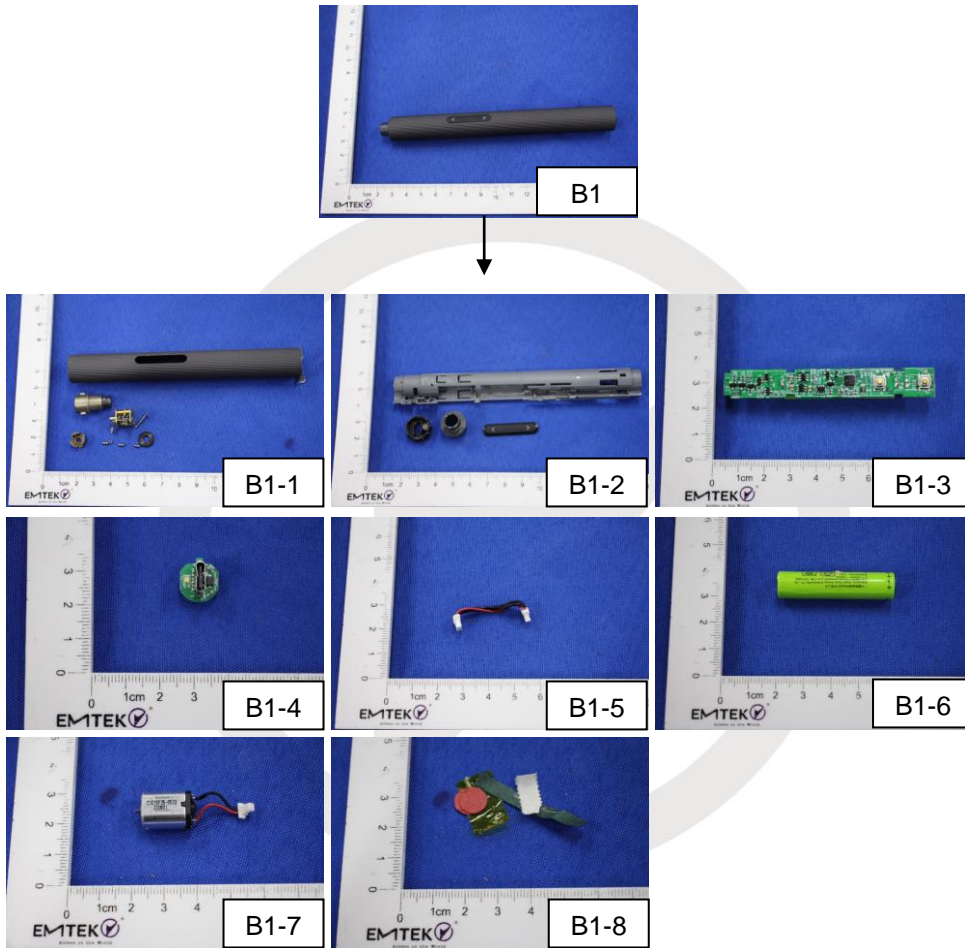
Test Report

No.: EDG2107160108C00601R

Date: Jul. 30, 2021

Page 5 of 7

Step 4:



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Test Report

No.: EDG2107160108C00601R

Date: Jul. 30, 2021

Page 6 of 7

2.3 Disassembly tools and times:

Tool:	Picture:
Multi-purpose screwdriver Diagonal pliers	

Times:100mins

3. Estimation of reuse/recycling/recovery for product:

Component	Weight(g)	Percent Weight(%)	Recoverable		
			Reuse/ Recycling(%)	Recovery(%)	Disposable(%)
PCB(<10cm ²)	4.24	1.30	0.18	0.74	/
Plastic	130.29	40.00	37.60	38.00	/
Metal	164.02	50.35	47.83	47.83	/
Wire	12.03	3.69	3.69	3.69	/
Battery	9.26	2.84	1.99	1.99	/
Motor	5.65	1.74	1.48	1.48	/
Other	0.15	0.05	/	/	0.05
Lost	0.11	0.03	/	/	0.03
Total	325.75	100.00	92.77	93.73	0.08

4. Reuse/Recycling and Recovery Rate Calculation rules:

Reuse/Recycling and Recovery Rate in the report are calculated as per following formulas:

Reuse/Recycling Rate=Reuse/Recycling Weight(g)/Product Total Weight(g)

Recovery Rate=Reuse/Recycling Weight(g)+Energy recovery Weight(g)/Product Total Weight(g)

Product Total Weight is including the main product and accessories, excluding package.

*** End of Report ***

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Test Report

No.: EDG2107160108C00601R

Date: Jul. 30, 2021

Page 7 of 7

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