

RoHS TEST REPORT

Report No. : B-R210737681R1

Date: Jul. 19, 2021

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Applicant : Taizhou Mifei Trading Co., Ltd.
Address : No. 3-120, Henghu Village, Duqiao Town, Linhai City, Taizhou City, Zhejiang Province
Client No : 0576C850
Manufacturer : Taizhou Mifei Trading Co., Ltd.
Address : No. 3-120, Henghu Village, Duqiao Town, Linhai City, Taizhou City, Zhejiang Province



Report on the submitted sample said to be

Sample Name : Neon lights

Model No : G-01, G-02, G-03, G-04, G-05, G-06, G-07, G-08, G-09, G-10, G-11, G-12, G-13, G-14, G-15, G-16, G-17, G-18, G-19, G-20, G-21, G-22, G-23, G-24, G-25, G-26, G-27, G-28, G-29, G-30, G-31, G-32, G-33, G-34, G-35, G-36, G-37, G-38, G-39, G-40, G-41, G-42, G-43, G-44, G-45, G-46, G-47, G-48, G-49, G-50, G-51, G-52, G-53, G-54, G-55, G-56, G-57, G-58, G-59, G-60

Sample model : G-01

Sample Received Date : Jul. 13, 2021

Complete Date : Jul. 19, 2021

Test Requested : As specified by client, to determine the Cadmium, Lead, Mercury, Hexavalent Chromium, PBBs / PBDEs, Bis-(2-ethylhexyl) Phthalate (DEHP), Diisobutyl phthalate(DIBP), Dibutyl Phthalate (DBP) & Benzylbutyl Phthalate (BBP) content in the submitted sample.

Test Result(s) : Conform to RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102.



Company No. 07113834

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Written by: Chen Qin
(Chen Qin)

Inspected by: Austin Zhong
(Austin Zhong)

Approved by: Martin Wang
(Martin Wang)



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Test Method: With reference to IEC 62321-4:2013:A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015, EN 50581:2012

- (1) Determination of Cadmium by ICP-OES.
- (2) Determination of Lead by ICP-OES.
- (3) Determination of Mercury by ICP-OES.
- (4) Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
- (5) Determination of PBBs / PBDEs content by GC-MS.
- (6) Determination of phthalates by GC-MS.

Test Result(s):

Test item	Unit	Limit	Result			
			White plastic case(1)	Wire(2)	Transparent plastic shell(3)	Metal splice(4)
Cadmium (Cd).	mg/kg	100	N.D.	N.D.	N.D.	N.D.
Lead (Pb).	mg/kg	1000	N.D.	N.D.	N.D.	N.D.
Mercury (Hg).	mg/kg	1000	N.D.	11.3001	N.D.	N.D.
Hexavalent Chromium (Cr VI).	mg/kg	1000	N.D.	N.D.	N.D.	N.D.
Polybrominated Biphenyls (PBBs)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.
Monobromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.

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Test item	Unit	Limit	Result			
			White plastic case(1)	Wire(2)	Transparent plastic shell(3)	Metal splice(4)
Nonabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Polybrominated Diphenyl Ethers (PBDEs)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.
Monobromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl Ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate(DIBP)	mg/kg	1000	N.D.	N.D.	N.D.	N/A
Dibutyl Phthalate (DBP)	%(w/w)	1000	N.D.	N.D.	N.D.	N/A
Benzylbutyl Phthalate (BBP)	%(w/w)	1000	N.D.	N.D.	N.D.	N/A
Bis-(2-ethylhexyl) Phthalate (DEHP)	%(w/w)	1000	N.D.	N.D.	N.D.	N/A

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Test item	Unit	Limit	Result	
			Rubber sleeve(5)	Resistance(6)
Cadmium (Cd).	mg/kg	100	N.D.	5.5025
Lead (Pb).	mg/kg	1000	N.D.	4.026
Mercury (Hg).	mg/kg	1000	3.0719	N.D.
Hexavalent Chromium (Cr VI).	mg/kg	1000	N.D.	N.D.
Polybrominated Biphenyls (PBBs)	mg/kg	1000	N.D.	N.D.
Monobromobiphenyl	mg/kg	/	N.D.	N.D.
Dibromobiphenyl	mg/kg	/	N.D.	N.D.
Tribromobiphenyl	mg/kg	/	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	/	N.D.	N.D.
Pentabromobiphenyl	mg/kg	/	N.D.	N.D.
Hexabromobiphenyl	mg/kg	/	N.D.	N.D.
Heptabromobiphenyl	mg/kg	/	N.D.	N.D.
Octabromobiphenyl	mg/kg	/	N.D.	N.D.
Nonabromobiphenyl	mg/kg	/	N.D.	N.D.
Decabromobiphenyl	mg/kg	/	N.D.	N.D.
Polybrominated Diphenyl Ethers (PBDEs)	mg/kg	1000	N.D.	N.D.
Monobromodiphenyl Ether	mg/kg	/	N.D.	N.D.

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Test item	Unit	Limit	Result	
			Rubber sleeve(5)	Resistance(6)
Dibromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Tribromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Tetrabromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Pentabromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Hexabromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Heptabromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Octabromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Nonabromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Decabromodiphenyl Ether	mg/kg	/	N.D.	N.D.
Diisobutyl phthalate(DIBP)	mg/kg	1000	N.D.	N.D.
Dibutyl Phthalate (DBP)	%(w/w)	1000	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	%(w/w)	1000	N.D.	N.D.
Bis-(2-ethylhexyl) Phthalate (DEHP)	%(w/w)	1000	N.D.	N.D.

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Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (<MDL)
3. N/A = Not Applicable
4. MDL = Method detection limit
5. MDL \leq 2ppm



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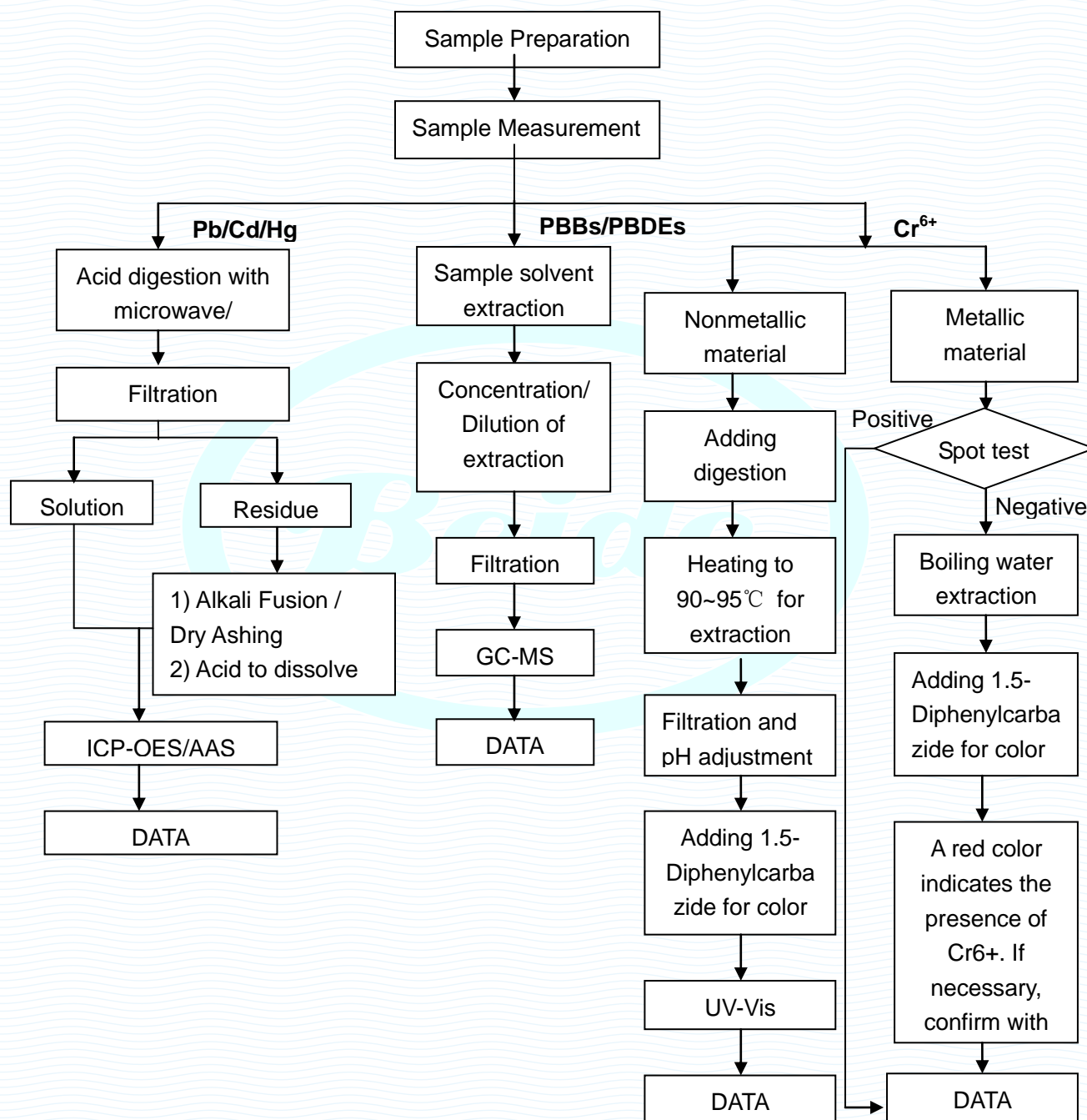
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RoHS Testing Flow Chart



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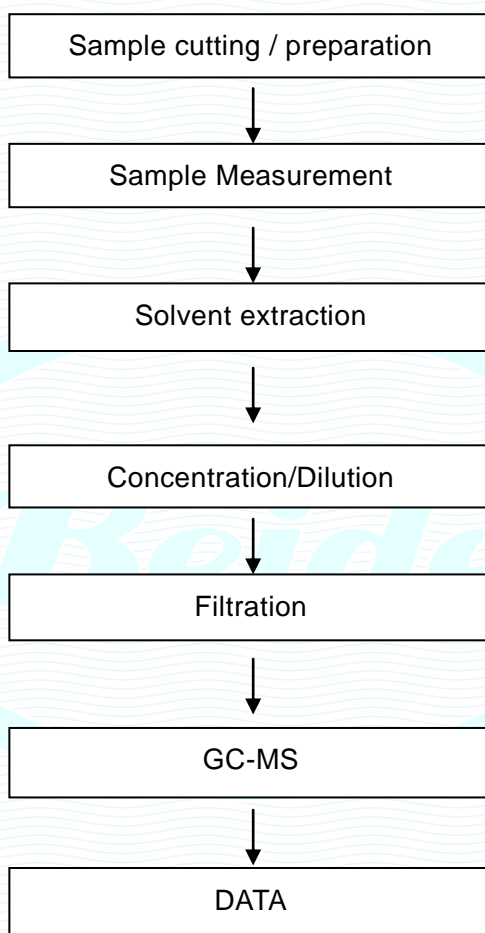
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Phthalates Testing Flow Chart



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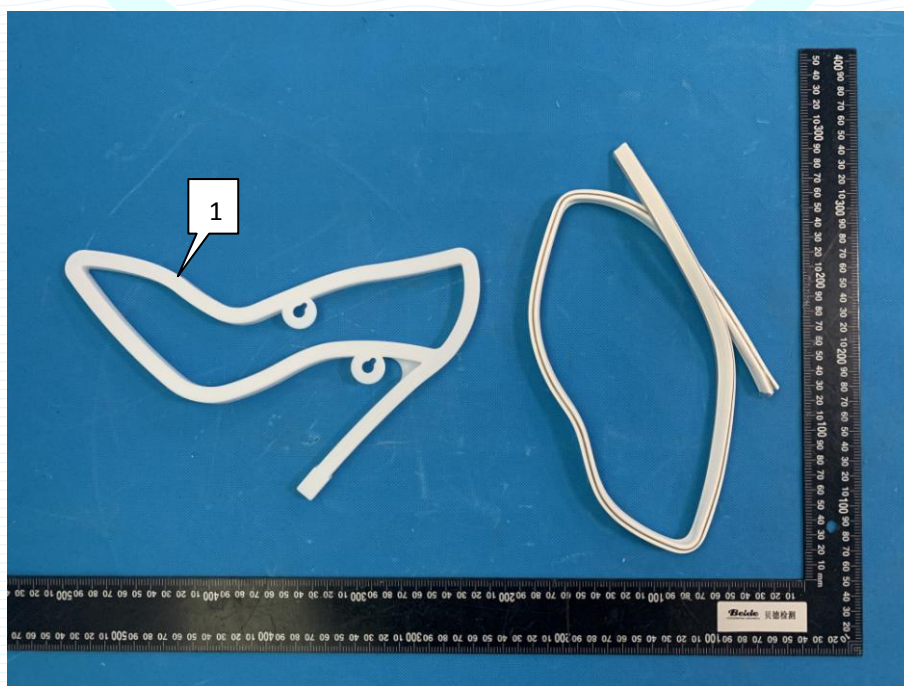
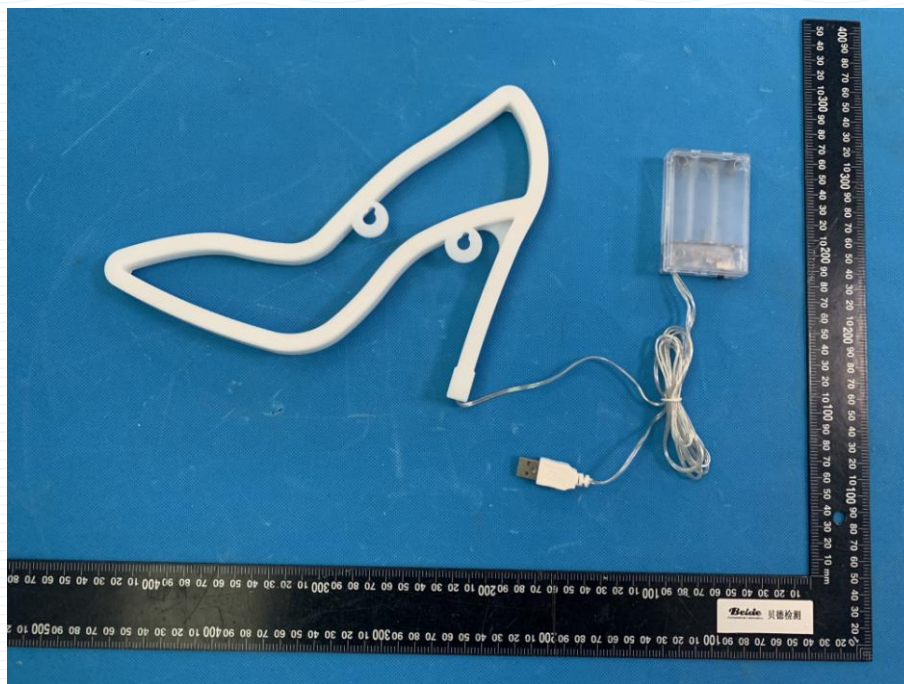
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Photographs of Sample



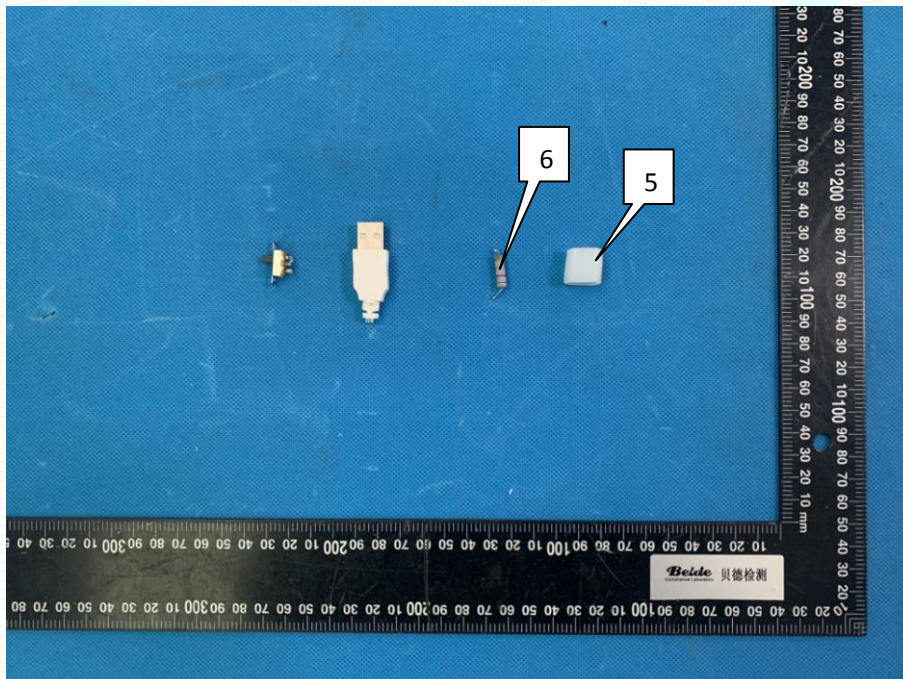
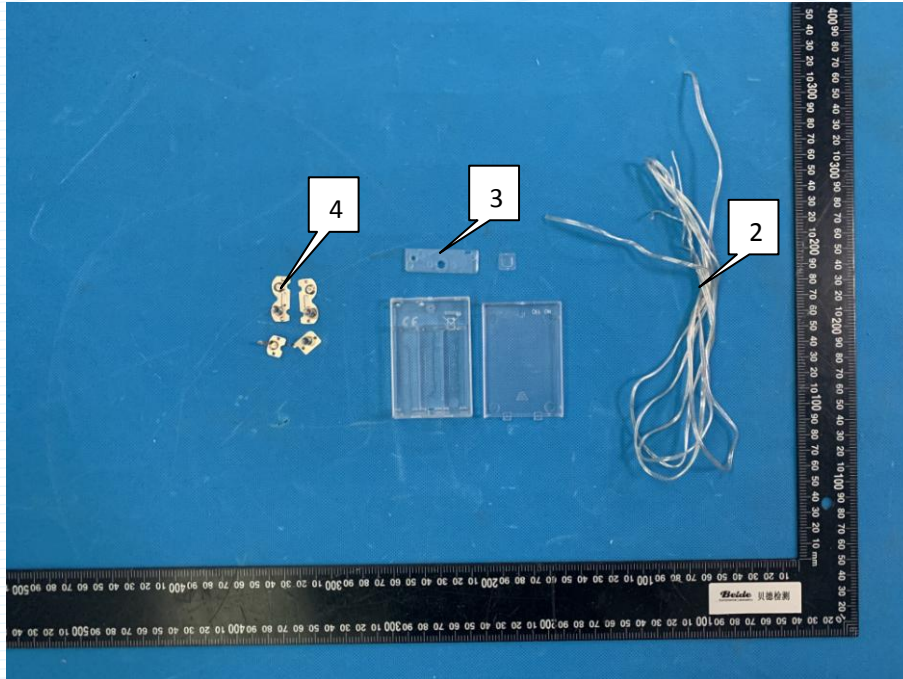
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End of Report

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