

RoHS TEST REPORT

Report No. : B-R211240139

Date: Dec. 14, 2021

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Applicant : Dongguan Zhenye Hardware Tools Co., Ltd

Address : Room 212, Building 6, Shatou West Road, Chang 'An Town,
Dongguan City, Guangdong Province China

Client No : 0769D495

Manufacturer : Dongguan Zhenye Hardware Tools Co., Ltd

Address : Room 212, Building 6, Shatou West Road, Chang 'An Town,
Dongguan City, Guangdong Province China



Report on the submitted sample said to be

Sample Name : Tweezers

Model No : ESD-15, ST-15, SS-15, TS-15, ST-34A, ESD-34A

Sample model : ESD-15

Sample Received Date : Dec. 08, 2021

Complete Date : Dec. 14, 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 IEC 63000:2018

- (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	
			Transparent plastic cover(1)	Black metal tweezers(2)
Cadmium (Cd).	mg/kg	100	N.D.	N.D.
Lead (Pb).	mg/kg	1000	N.D.	N.D.
Mercury (Hg).	mg/kg	1000	3.1767	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.

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Test item	Unit	Limit	Result	
			Transparent plastic cover(1)	Black metal tweezers(2)
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.
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/A
Dibutyl Phthalate (DBP)	%(w/w)	1000	N.D.	N/A
Benzylbutyl Phthalate (BBP)	%(w/w)	1000	N.D.	N/A
Bis-(2-ethylhexyl) Phthalate (DEHP)	%(w/w)	1000	N.D.	N/A

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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 ≤ 2ppm



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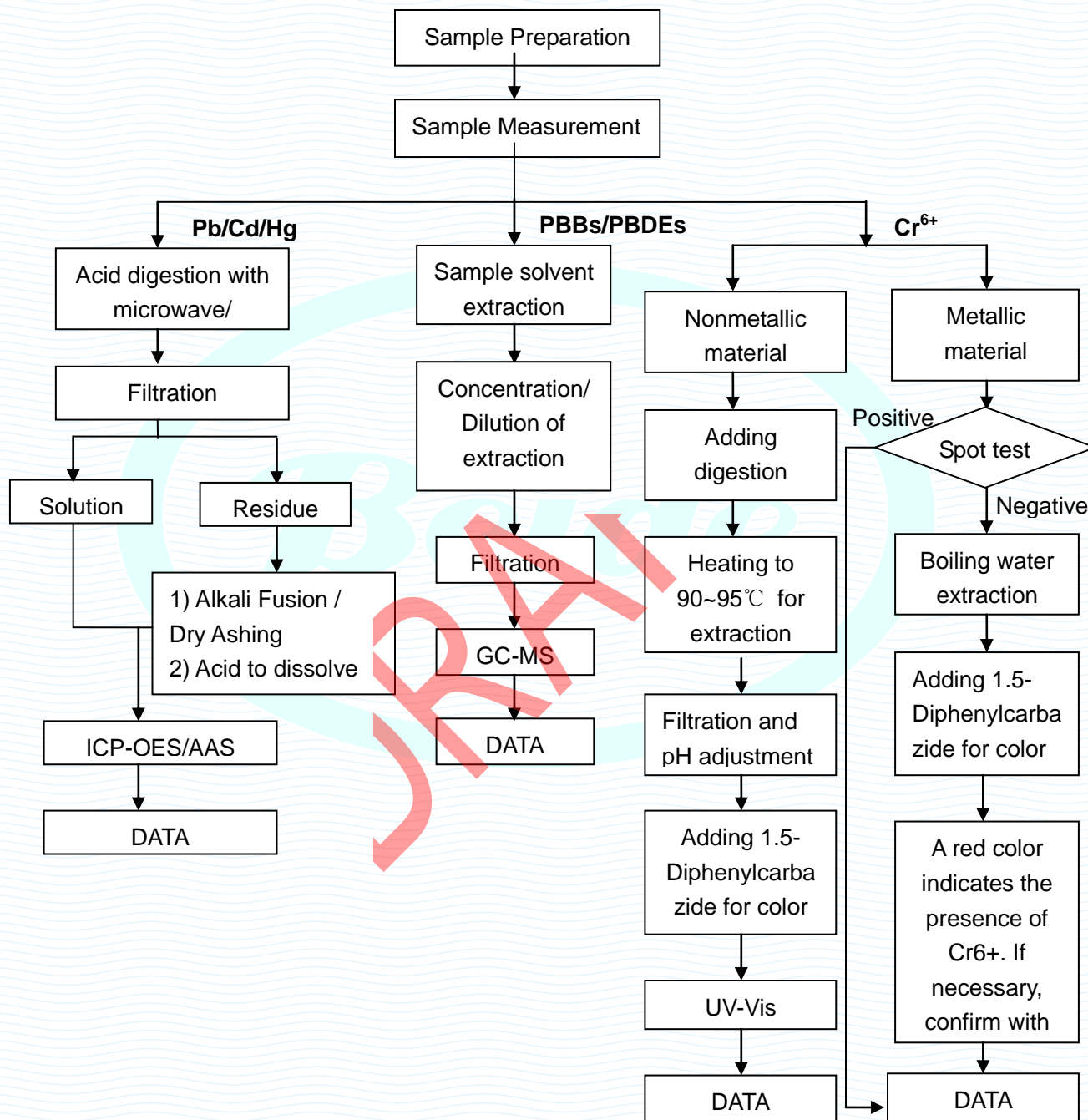
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RoHS Testing Flow Chart



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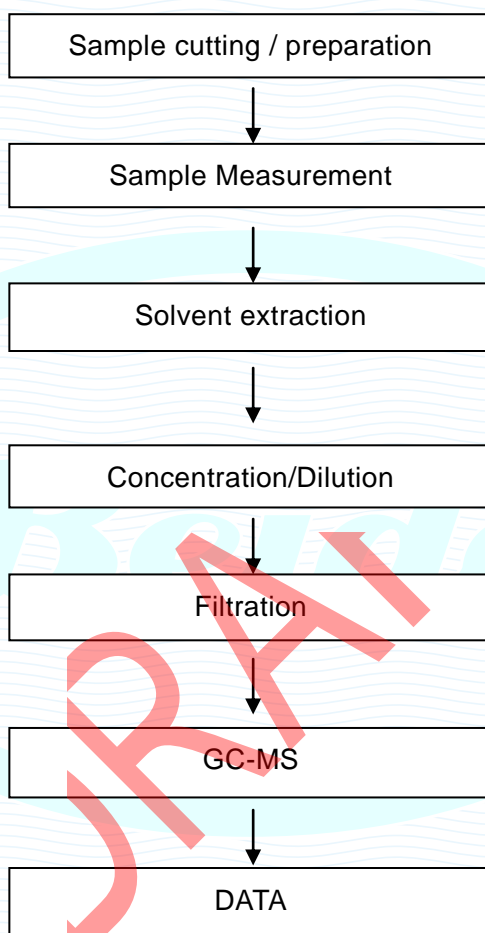
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Phthalates Testing Flow Chart



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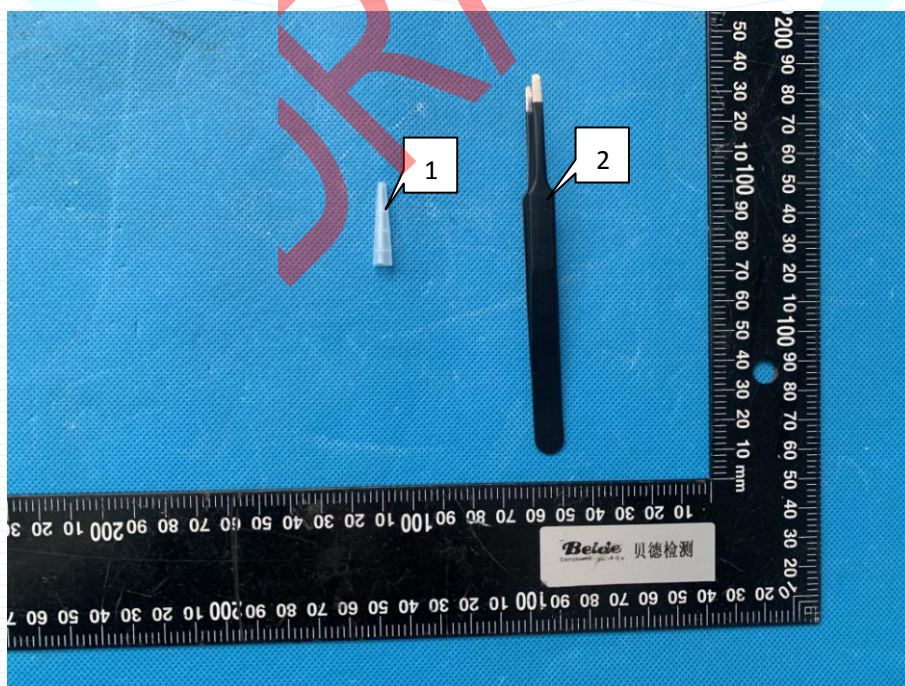
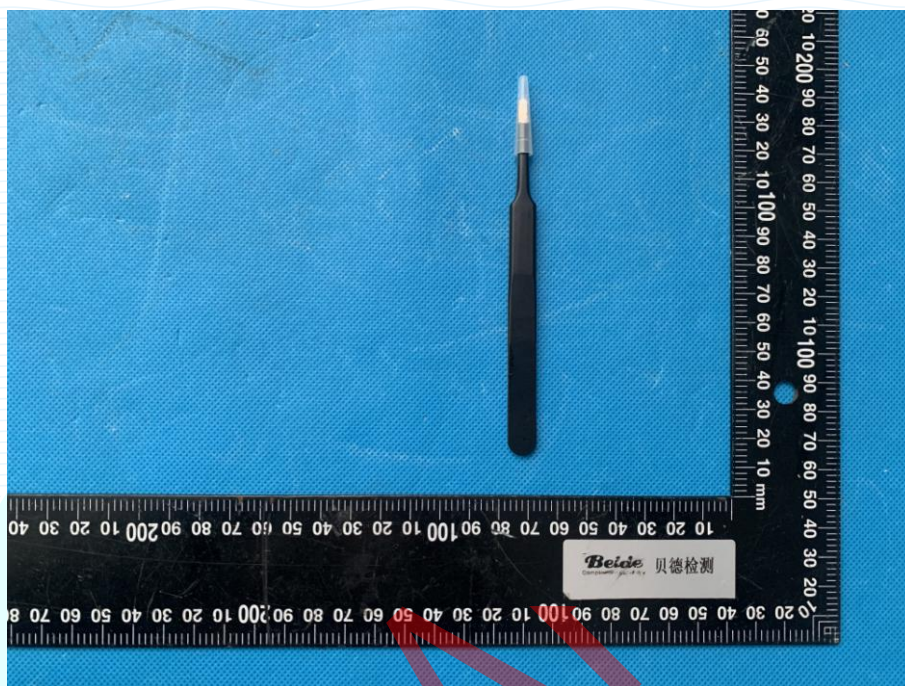
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Photographs of Sample



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End of Report

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