

Report No. : B-I	R211240139	Date: Dec.	14, 2021	Р	age 1 of 8			
Applicant	: Dong	juan Zhenye Hardwar	e Tools Co., Ltd					
Address		212, Building 6, Shat uan City, Guangdong		ang 'An Town,				
Client No	: 0769E	495			(XX)			
Manufacturer	: Dong	guan Zhenye Hardwa	re Tools Co., Ltd		Groot groot			
Address		212, Building 6, Shat		ang 'An Town,				
Dement on the		uan City, Guangdong	Province China					
-	submitted sample satisfy the s							
Sample Name	. Twee	zers						
Model No	: ESD-	15, ST-15, SS-15, TS	-15, ST-34A, ESD-3	-34A -34A um, Lead, Mercury, ethylhexyl) Phthalate hthalate (DBP) & omitted sample.				
Sample model	: ESD-	15						
Sample Receive	d Date : Dec. (	08, 2021						
Complete Date	: Dec. ⁄	4, 2021						
Test Requested	: As spe	ecified by client, to det	termine the Cadmiu	um, Lead, Mercury,				
		avalent Chromium, PBBs / PBDEs, Bis-(2-ethylhexyl) Phthalate						
		(DEHP), Diisobutyl phthalate(DIBP), Dibutyl Phthalate (DBP) &						
	Benzy	butyl Phthalate (BBP)	) content in the sub	mitted sample.				
Test Result(s)								
	Annex	(EU)2015/863 and an	nenaing Annex (EC	J)2017/2102.				
Company No. 07113834	*****FOR FURTHER I	DETAILS, PLEASE REF	ER TO THE FOLLOV	VING PAGE(S)*****				
			Musso - Le co					
Written by:	(Chen Qin)	Inspected by:	BUSSIA . Mory	Approved by:	Marthe Way			
·	(Chen Qin)	. ,	(Austin Zhong)		(Martin Wang)			
This report is co	onsidered invalidated	without the Special Se	al for Inspection of	the Beide (Shenzhe	en) Product			

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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):

			Result	
Test item	Unit	Limit	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	I	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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			Result		
Test item	Unit	Limit	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	4	N.D.	N.D.	
Pentabromodiphenyl Ether	mg/kg		N.D.	N.D.	
Hexabromodiphenyl Ether	mg/kg	1	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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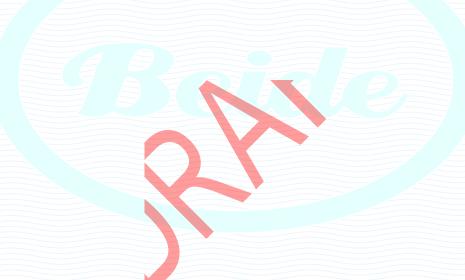
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#### Note:

- 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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Report No. : B-R211240139 Date: Dec. 14, 2021 Page 5 of 8 **RoHS Testing Flow Chart** Sample Preparation Sample Measurement Cr<sup>6+</sup> PBBs/PBDEs Pb/Cd/Hg Sample solvent Acid digestion with extraction microwave/ Metallic Nonmetallic material material Concentration/ Filtration **Positive** Dilution of Adding Spot test extraction digestion Solution Negative Residue **Boiling water** Filtration Heating to extraction 1) Alkali Fusion / 90~95℃ for **Dry Ashing** extraction GC-MS 2) Acid to dissolve Adding 1.5-Diphenylcarba Filtration and DATA **ICP-OES/AAS** zide for color pH adjustment DATA Adding 1.5-A red color Diphenylcarba indicates the zide for color presence of Cr6+. If necessary, UV-Vis confirm with DATA DATA

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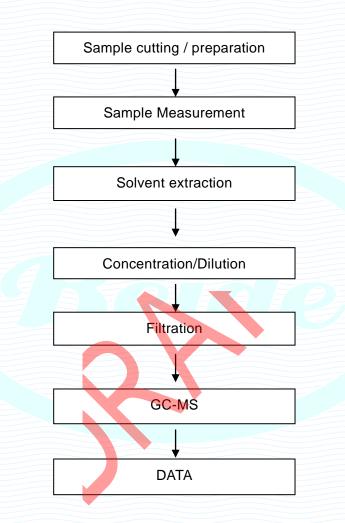


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**Phthalates Testing Flow Chart** 



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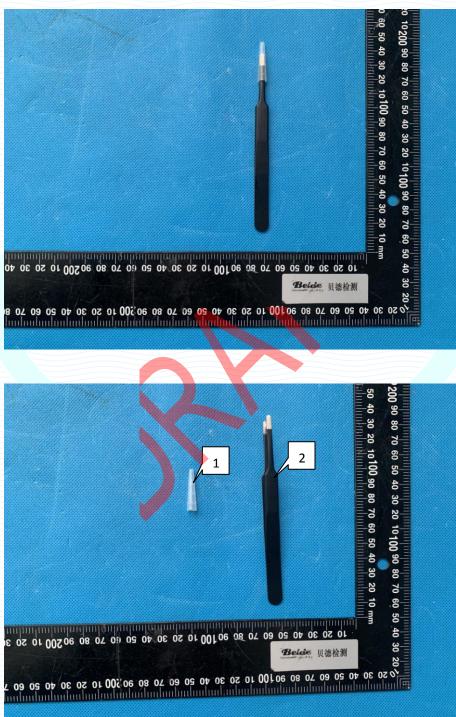


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Photographs of Sample



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\*\*\*End of Report\*\*\*

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