



# Test Report

Report No. A223022832410105

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**Company Name** WEE TECHNOLOGY COMPANY LIMITED  
**shown on Report**  
**Address** FLAT/RM 705, 7/F, FA YUEN COMM BLDG NO.75,FA YUEN STREET, MONG KOK, KL, HONG KONG

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant**

CTI Sample ID	Sample Name(s)
001	Chip MLCC Multilayer Ceramic Capacitors
002	Axial & Radial Multilayer Ceramic Capacitors
003	Color Ring Capacitors
004	Axial & Radial Monolithic Ceramic Capacitors
005	Axial & Radial Multilayer Ceramic Capacitors

**Sample Received Date** May 18, 2023  
**Testing Period** May 18, 2023 to May 23, 2023

**Test Requested** As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

**Test Method/Test Result(s)** Please refer to the following page(s).



Approved by

*Hill Zheng*

Date

May 23, 2023

Hill Zheng  
Technical Manager

No. R294343644

Centre Testing International Group Co.,Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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**Test Method**

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

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## Test Result(s)

Tested Item(s)	Result			MDL
	001	002	003	
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.	8 mg/kg
	--	--	--	0.10 $\mu\text{g}/\text{cm}^2$ (LOQ)

Tested Item(s)	Result		MDL
	004	005	
Lead (Pb)	N.D.	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	--	8 mg/kg
	--	N.D. $\nabla$	0.10 $\mu\text{g}/\text{cm}^2$ (LOQ)

Tested Item(s)	Result			MDL
	001	002	003	
<b>Polybrominated Biphenyls (PBBs)</b>				
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg

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Tested Item(s)	Result		MDL
	004		
<b>Polybrominated Biphenyls (PBBs)</b>			
Monobromobiphenyl	N.D.		5 mg/kg
Dibromobiphenyl	N.D.		5 mg/kg
Tribromobiphenyl	N.D.		5 mg/kg
Tetrabromobiphenyl	N.D.		5 mg/kg
Pentabromobiphenyl	N.D.		5 mg/kg
Hexabromobiphenyl	N.D.		5 mg/kg
Heptabromobiphenyl	N.D.		5 mg/kg
Octabromobiphenyl	N.D.		5 mg/kg
Nonabromobiphenyl	N.D.		5 mg/kg
Decabromobiphenyl	N.D.		5 mg/kg

Tested Item(s)	Result			MDL
	001	002	003	
<b>Polybrominated Diphenyl Ethers (PBDEs)</b>				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg

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Tested Item(s)	Result		MDL
	004		
<b>Polybrominated Diphenyl Ethers (PBDEs)</b>			
Monobromodiphenyl ether	N.D.		5 mg/kg
Dibromodiphenyl ether	N.D.		5 mg/kg
Tribromodiphenyl ether	N.D.		5 mg/kg
Tetrabromodiphenyl ether	N.D.		5 mg/kg
Pentabromodiphenyl ether	N.D.		5 mg/kg
Hexabromodiphenyl ether	N.D.		5 mg/kg
Heptabromodiphenyl ether	N.D.		5 mg/kg
Octabromodiphenyl ether	N.D.		5 mg/kg
Nonabromodiphenyl ether	N.D.		5 mg/kg
Decabromodiphenyl ether	N.D.		5 mg/kg

Tested Item(s)	Result			MDL
	001	002	003	
<b>Phthalates (DBP, BBP, DEHP, DIBP)</b>				
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg

Tested Item(s)	Result		MDL
	004		
<b>Phthalates (DBP, BBP, DEHP, DIBP)</b>			
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.		50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.		50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.		50 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.		50 mg/kg

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**Sample/Part Description**

No.	CTI Sample ID	Description
1	001	Chip capacitor(Tested as a whole)*
2	002	Mixed test, brown yellow body with brown printing* <sup>1</sup>
3	003	Brown yellow body with multicolor ink(Tested as a whole)*
4	004	Brown yellow body with brown printing(Tested as a whole)*
5	005	Mixed test. metal pin with silvery plating* <sup>1</sup>

**Remark:** -The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.  
-\*The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of any homogeneous material.  
-\*<sup>1</sup>As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.  
-MDL = Method Detection Limit  
-N.D. = Not Detected (<MDL or LOQ)  
-mg/kg = ppm = parts per million  
-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10  $\mu\text{g}/\text{cm}^2$   
-▼The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10  $\mu\text{g}/\text{cm}^2$ . The coating is considered a non-Cr(VI) based coating.  
-According to the client's statement, the Company Name shown on Report in this report and the Company Name shown on Report in the report A2230228324101 are the buyer- manufacturer relations, the test result(s) of this report is/are presented in reference to the result(s) that reported in A2230228324101.

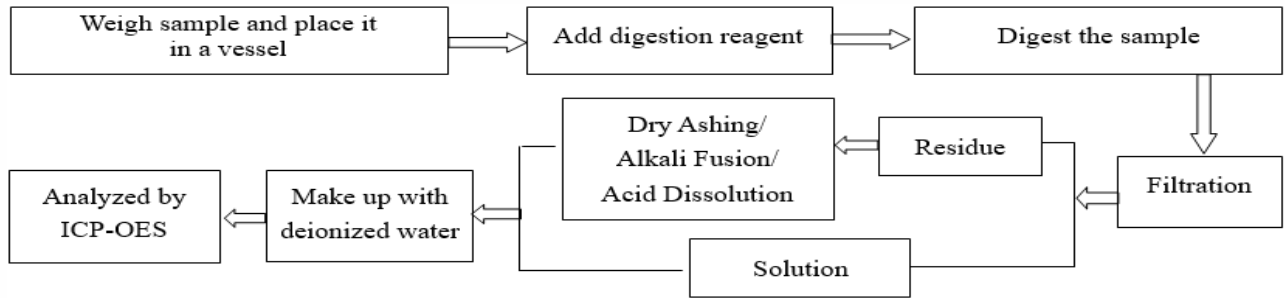
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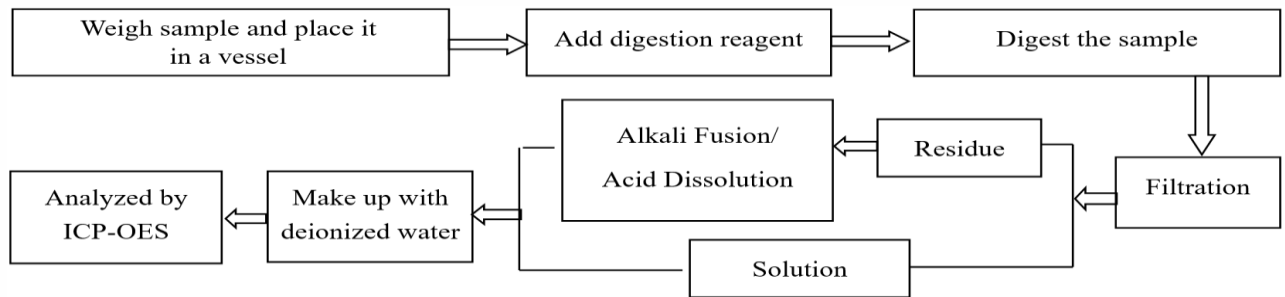
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**Test Process**

**1. Lead (Pb), Cadmium (Cd), Chromium(Cr)**

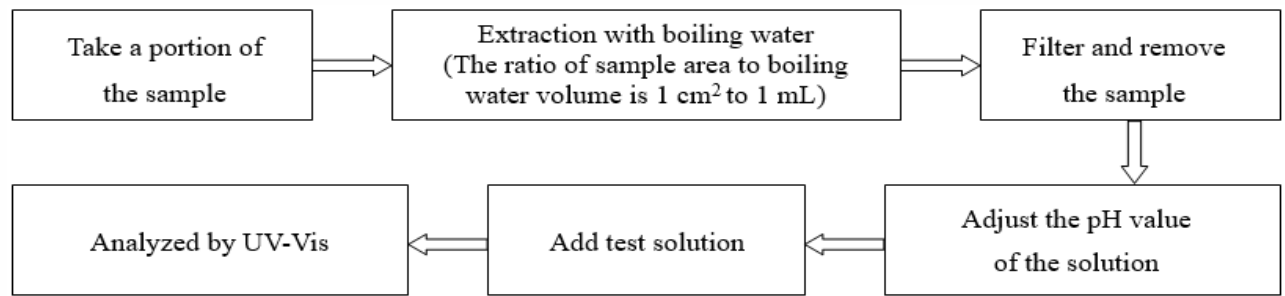


**2. Mercury (Hg)**

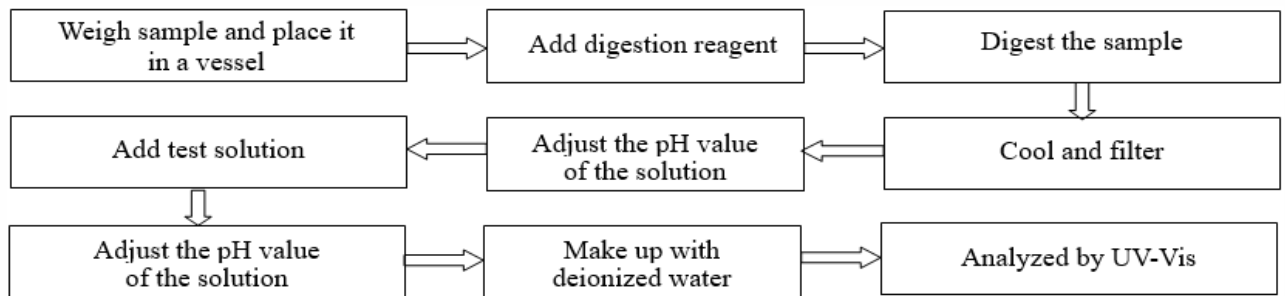


**3. Hexavalent Chromium (Cr(VI))**

**(1) IEC 62321-7-1:2015**



**(2) IEC 62321-7-2:2017**

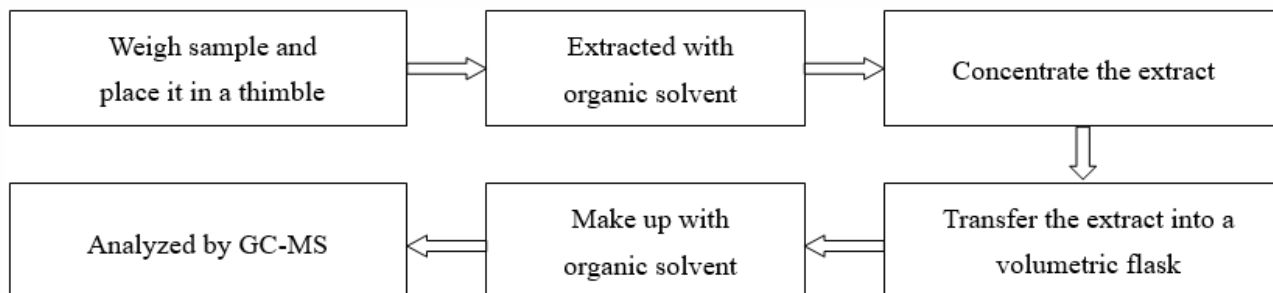


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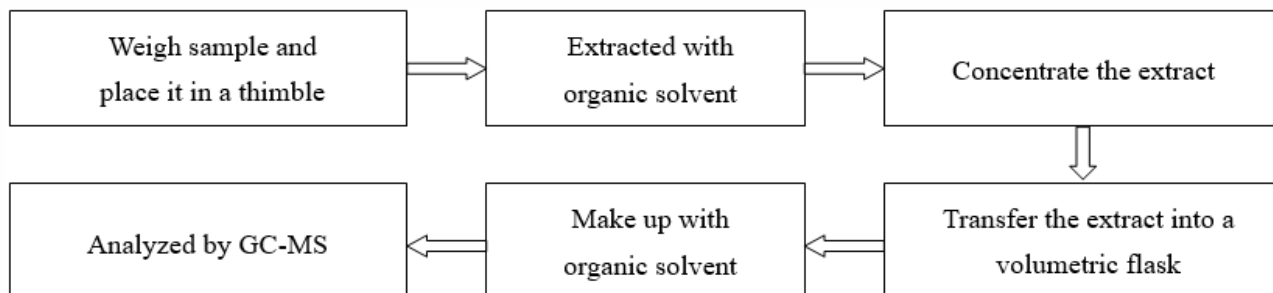
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## 4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



## 5. Phthalates (DBP, BBP, DEHP, DIBP)





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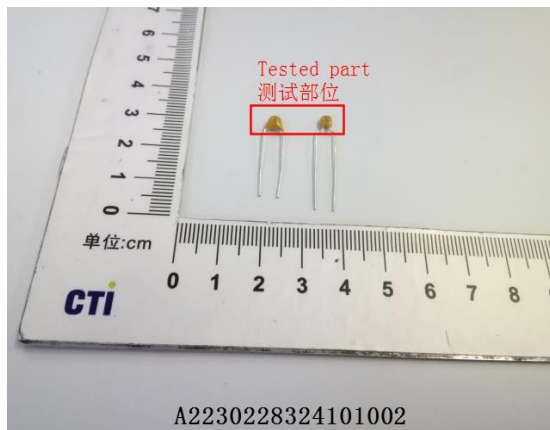
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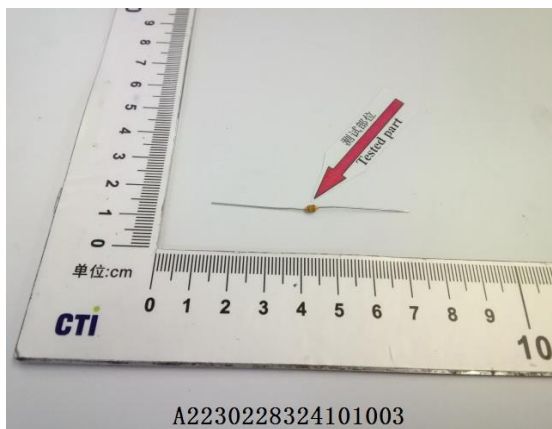
## Photo(s) of the sample(s)



A2230228324101001



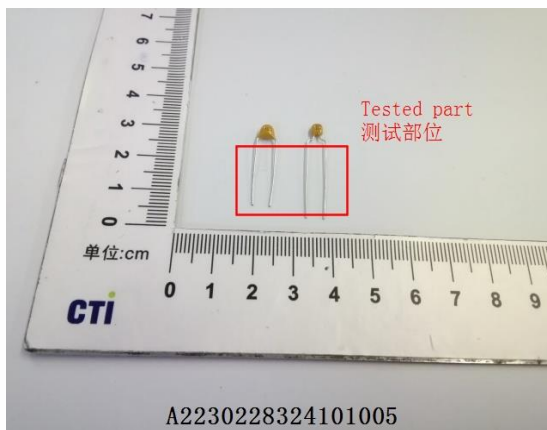
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Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full;
5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

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

