

# Test Report

No.: EDG2506170012C00101R

Date: Jun. 23, 2025

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**Applicant** : Foshan JIASHUNCAI Building Materials Co., Ltd.  
**Address** : Building 2, No. 6 Huxi Road, Southwest, Sanshui, Foshan, Guangdong, China.

**Sample Name** : Aluminum composite panel  
**Material** : Aluminum+ PE  
**Supplier** : Jiashunca

**Received Date** : Jun. 17, 2025  
**Test Period** : Jun. 17, 2025 ~ Jun. 23, 2025

**Test Requested** : As requested by the client, according to the directive 2011/65/EU (RoHS) and amendment directive (EU) 2015/863, to determine

- 1) the content of Cadmium, Lead and Mercury in the submitted sample;
- 2) the content of Hexavalent Chromium in the submitted sample;
- 3) the content of PBBs (polybrominated biphenyls) and PBDEs (Polybrominated diphenyl-ethers) in the submitted sample;
- 4) the contents of the regulated phthalate in the submitted sample.

**Test Results** : Please refer to next page (s).

## Conclusion:

The test results for the submitted sample **COMPLY WITH** the requirements of RoHS Directive 2011/65/EU and amendment directive (EU) 2015/863.

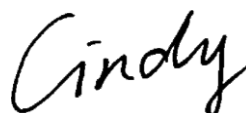
Signed for and on behalf of  
EMTEK(Dongguan) Co., Ltd.

Prepared by:



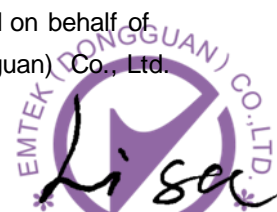
Wu Jiali, Garli  
Report Engineer

Reviewed by:



Zeng Xingji, Cindy  
Supervisor

Approved by:



Li Wei, Lisa  
Authorized signatory  
Jun. 23, 2025

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## Test Results:

Test Method: 1) to refer to IEC 62321-5: 2013, determine the Cadmium, Lead content by ICP-OES.  
2) to refer to IEC 62321-4:2013+A1:2017, determine the Mercury content by ICP-OES.  
3) to refer to IEC 62321-7-1:2015 & IEC 62321-7-2:2017, determine the Hexavalent Chromium content by UV-VIS.  
4) to refer to IEC 62321-6:2015, determine the Polybrominated Biphenyls and Polybrominated Diphenyl Ethers by GC-MS.  
5) to refer to IEC 62321-8:2017, determine the Phthalate content by GC-MS.

Test Item	Test Result (mg/kg)		MDL (mg/kg)	Law Limit (mg/kg)
	1	2		
Cadmium (Cd)	ND	ND	2	100
Lead (Pb)	209	ND	2	1000
Mercury (Hg)	ND	ND	2	1000
Hexavalent Chromium (Cr <sup>6+</sup> )	ND	ND	8	1000

Test Item	Test Result (mg/kg)	MDL (mg/kg)	Law Limit (mg/kg)
	3		
Cadmium (Cd)	ND	2	100
Lead (Pb)	ND	2	1000
Mercury (Hg)	ND	2	1000
Hexavalent Chromium (Cr <sup>6+</sup> )	Negative	See note 3	Negative

Note: 1. Note: mg/kg = parts per million = ppm

2. ND = Not Detected (less than MDL) MDL = Method Detection Limit

3. a) The Cr(VI) concentration is more than 0.13 µg/cm<sup>2</sup>, the sample is positive for Cr(VI), the coating is considered to contain Cr(VI).

b) The Cr(VI) concentration is less than 0.10 µg/cm<sup>2</sup>, the sample is negative for Cr(VI), the coating is considered a non-Cr(VI) based coating.

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EMTEK (Dongguan) Co., Ltd. 邮箱: [project@emtek.com.cn](mailto:project@emtek.com.cn)  
Add: Room 111&112, Building 8, -1&2/F., Office Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshan Lake High-Tech Industrial Development Zone, Dongguan, Guangdong, China <http://www.emtek.com.cn> E-mail: [project@emtek.com.cn](mailto:project@emtek.com.cn)



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## Test Results:

Test Item	Test Result (mg/kg)		MDL (mg/kg)	Law Limit (mg/kg)
	1	2		
Polybrominated Biphenyls (Mono – Deca) (PBBs)	ND	ND	--	1000
Monobromobiphenyl	ND	ND	5	--
Dibromobiphenyl	ND	ND	5	--
Tribromobiphenyl	ND	ND	5	--
Tetrabromobiphenyl	ND	ND	5	--
Pentabromobiphenyl	ND	ND	5	--
Hexabromobiphenyl	ND	ND	5	--
Heptabromobiphenyl	ND	ND	5	--
Octabromobiphenyl	ND	ND	5	--
Nonabromobiphenyl	ND	ND	5	--
Decabromobiphenyl	ND	ND	5	--
Polybrominated Diphenylethers (Mono – Deca) (PBDEs)	ND	ND	--	1000
Monobromodiphenyl ether	ND	ND	5	--
Dibromodiphenyl ether	ND	ND	5	--
Tribromodiphenyl ether	ND	ND	5	--
Tetrabromodiphenyl ether	ND	ND	5	--
Pentabromodiphenyl ether	ND	ND	5	--
Hexabromodiphenyl ether	ND	ND	5	--
Heptabromodiphenyl ether	ND	ND	5	--
Octabromodiphenyl ether	ND	ND	5	--
Nonabromodiphenyl ether	ND	ND	5	--
Decabromodiphenyl ether	ND	ND	5	--

Note: mg/kg = parts per million = ppm    ND = Not Detected (less than MDL)    MDL = Method Detection Limit

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EMTEK (Dongguan) Co., Ltd.    邮箱: [project@emtek.com.cn](mailto:project@emtek.com.cn)  
Add: Room 111&112, Building 8, -1&2/F., Office Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshan Lake High-Tech Industrial Development Zone, Dongguan, Guangdong, China    <http://www.emtek.com.cn>    E-mail: [project@emtek.com.cn](mailto:project@emtek.com.cn)



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## Test Results:

Test Item	Test Result (mg/kg)		MDL (mg/kg)	Requirement (mg/kg)
	1	2		
Dibutyl phthalate(DBP)	ND	ND	30	1000
Benzylbutyl phthalate(BBP)	ND	ND	30	1000
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	30	1000
Diisobutyl phthalate(DIBP)	ND	ND	30	1000

Note: mg/kg = parts per million = ppm      ND = Not Detected (less than MDL)      MDL = Method Detection Limit

## Tested Materials:

No.	Description
1	Grey coating on metal (back)
2	Grey hard plastic (main body)
3	Silver metal (front/back)

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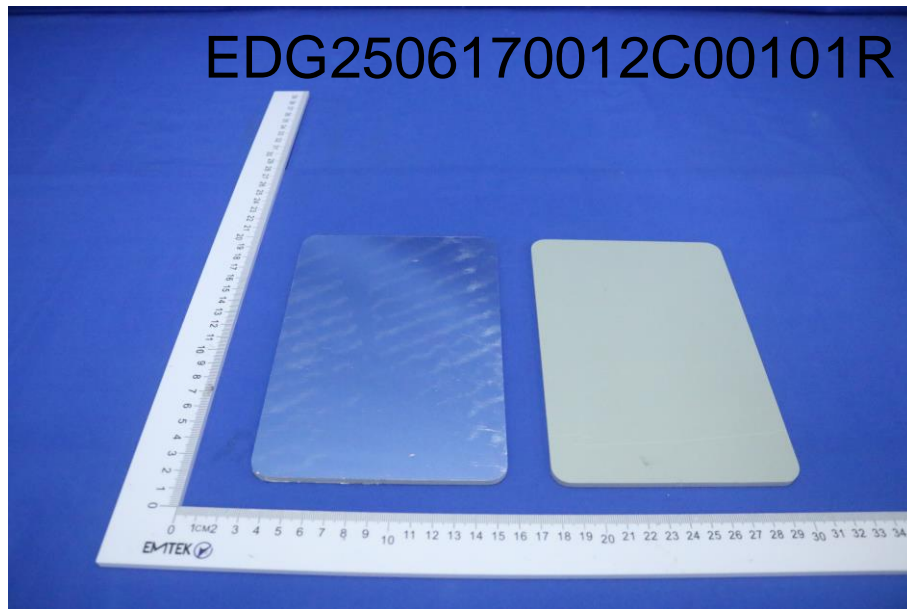
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## Sample Photo



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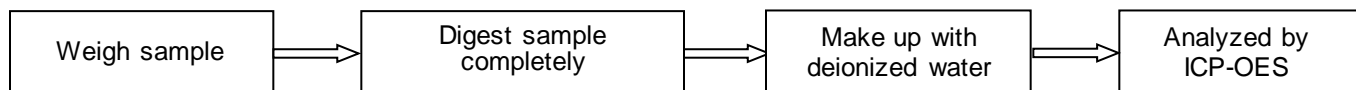
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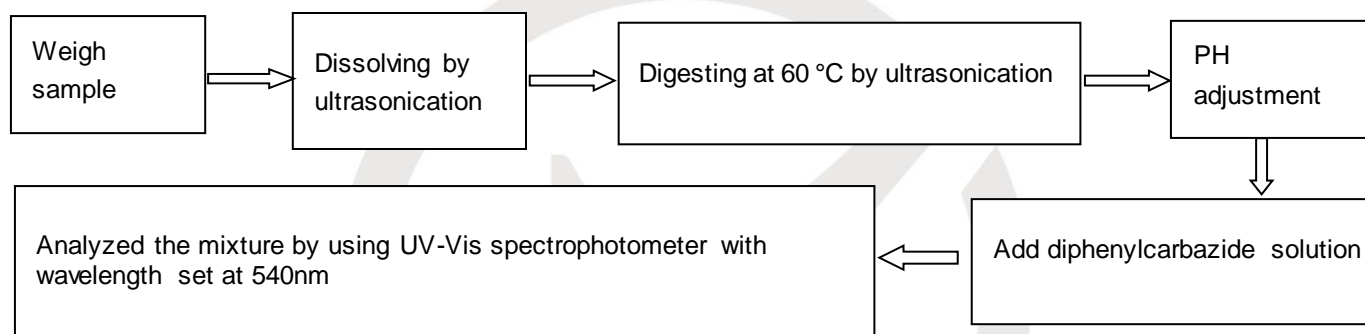
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## TEST FLOWCHART

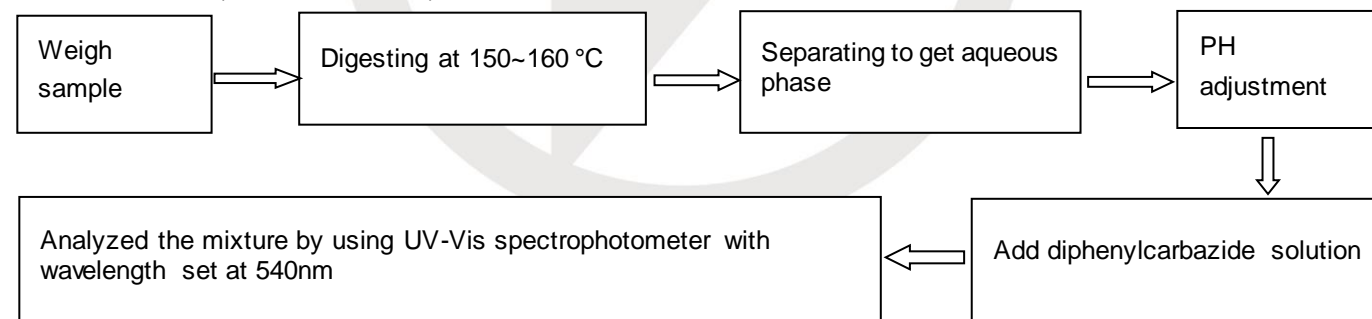
Pb/Cd/Hg Test Process:



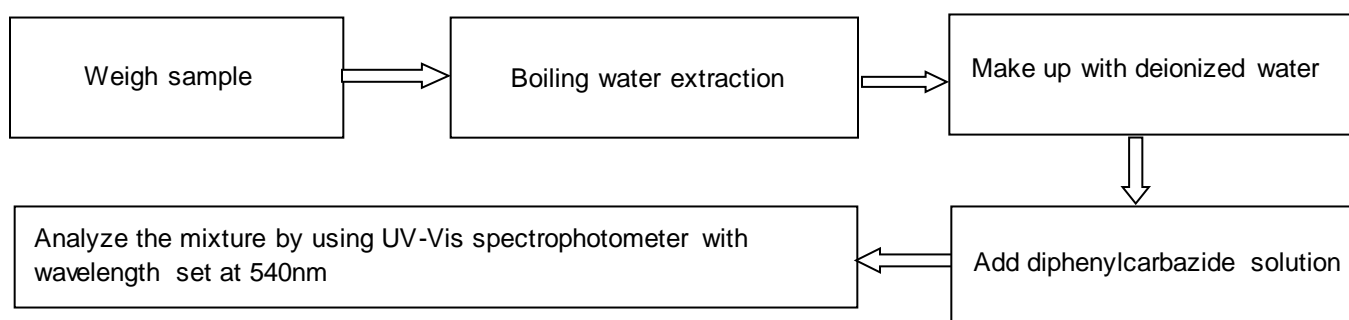
Cr<sup>6+</sup> Test Process(Non-metal-ABS/PC/PVC):



Cr<sup>6+</sup> Test Process(Non-metal-Others):



Cr<sup>6+</sup> Test Process(Metal):



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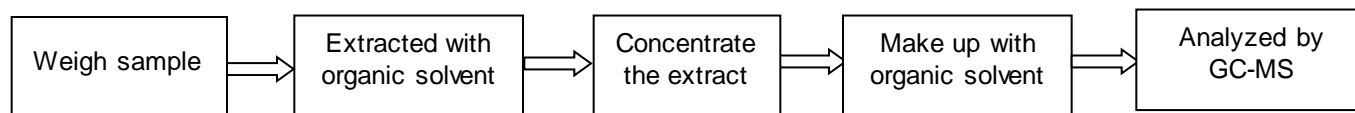
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PBBs/PBDEs/Phthalates Test Process:



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