

# TEST REPORT

NO.: A001R140825061001

Date: Aug 28, 2014

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Applicant: Zhuhai Master Technology Co., Ltd.

Address: Room 807-808, Anhui Building, No.3094, Mingzhu South Road, Zhuhai City, Guangdong Province

Report on the submitted sample said to be

Sample name: 3311 Uv-curable adhesive

 Model: 3011、3013、3022、3024、352、360、3103、3106、3137、3138、3201、3202、3203、3206、3226、3301、  
 3302、3311、3312、3321、3362、3501、3502、3621、3623、3625、3626、3721、3821、  
 3855、3535、3521、3410、3555

Item/Lot No.: /

Material: /

Buyer: /

Supplier: /

Manufacturer: /

Sample received date: Aug 25, 2014

Testing period: From Aug 25, 2014 to Aug 28, 2014

Test Requested:

6+As specified by client, to determine the Lead(Pb),  
 Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr ),  
 Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs) content in the submitted sample  
 in accordance with Directive 2011/65/EU (RoHS).

Test Method:

- (1) With reference to IEC 62321:2008 Ed 1.0 Electrotechnical products - Determination of levels of six regulated substances
- (2) With reference to IEC 62321:2013 Ed 1.0 Determination of certain substances in electrotechnical products

Test Item	Pretreatment Method	Measuring Instrument	MDL
Lead	IEC 62321-5:2013 Ed 1.0 Section 7.1	ICP-OES	2 mg/kg
Cadmium	IEC 62321-5:2013 Ed 1.0 Section 7.1	ICP-OES	2 mg/kg
Mercury	IEC 62321-4:2013 Ed 1.0 Section 7.2	ICP-OES	2 mg/kg
Hexavalent Chromium	IEC 62321:2008 Ed 1.0 Annex C	UV-VIS	2 mg/kg
Polybrominated Biphenyls/ Polybrominated Diphenyl Ethers	IEC 62321:2008 Ed 1.0 Annex A	GC-MS	5 mg/kg

Conclusion:

-When tested as specified, the submitted sample complied with the requirements of Directive 2011/65/EU (RoHS).

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

Signed for and on behalf of

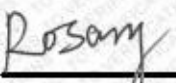
Shenzhen AOV Testing Technology Co., Ltd

Tested by:



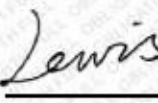
 Li Xian Yong, Leif  
 Project Leader

Reviewed by:



 Luo Jun, Rosary  
 Vice Technical Supervisor

Approved by:



 Liu Lin Wen, Lewis  
 Technical Supervisor



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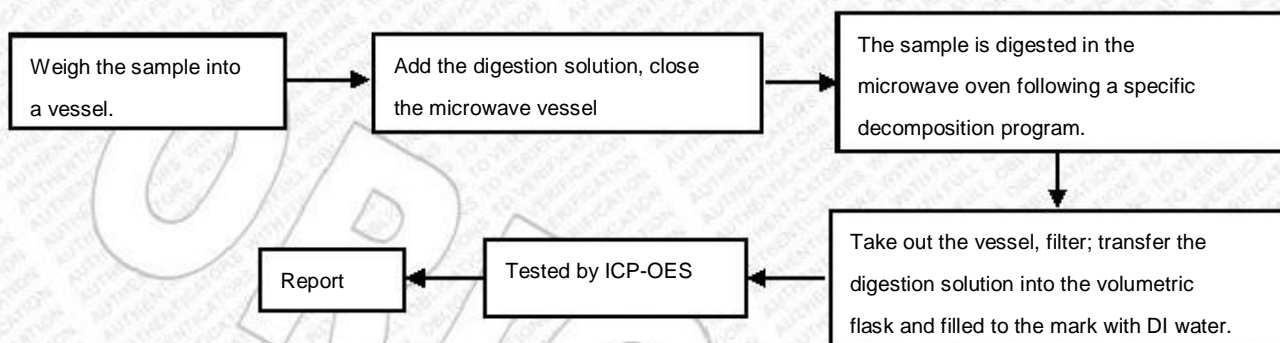
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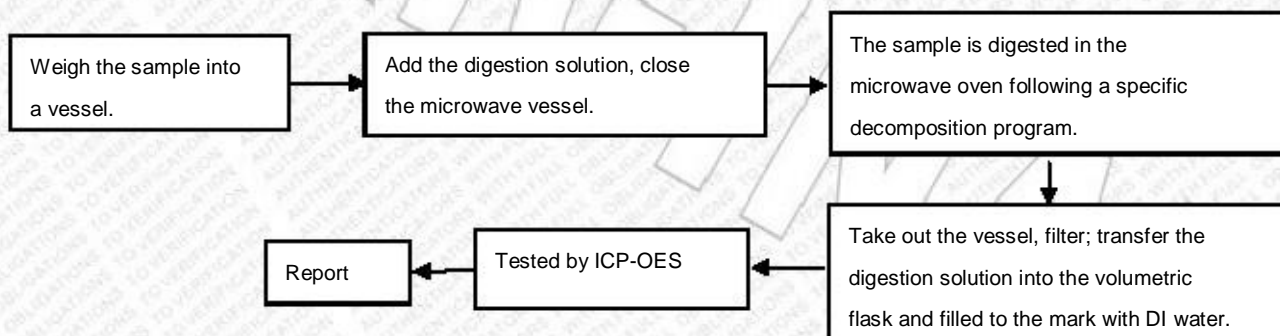
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Test Flow:

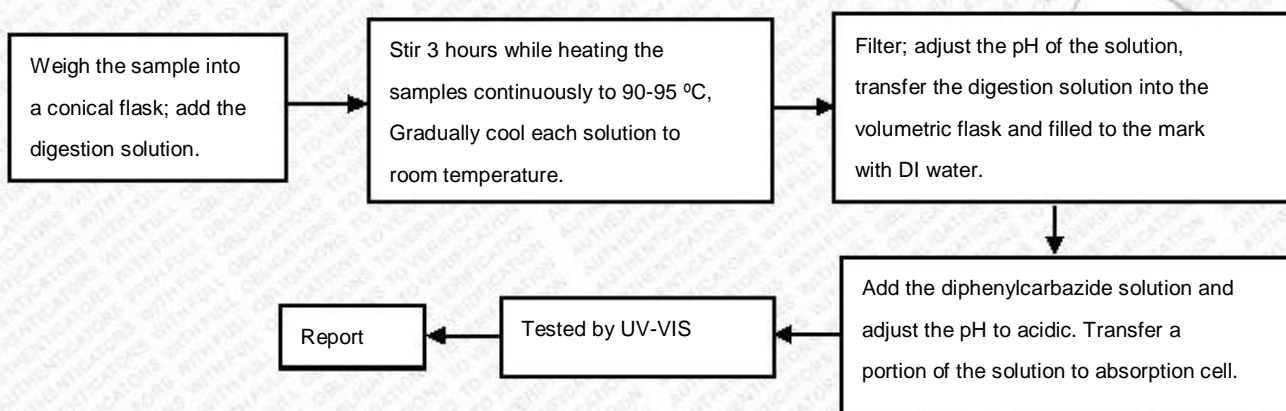
## 1. To Determine Lead, Cadmium Content:



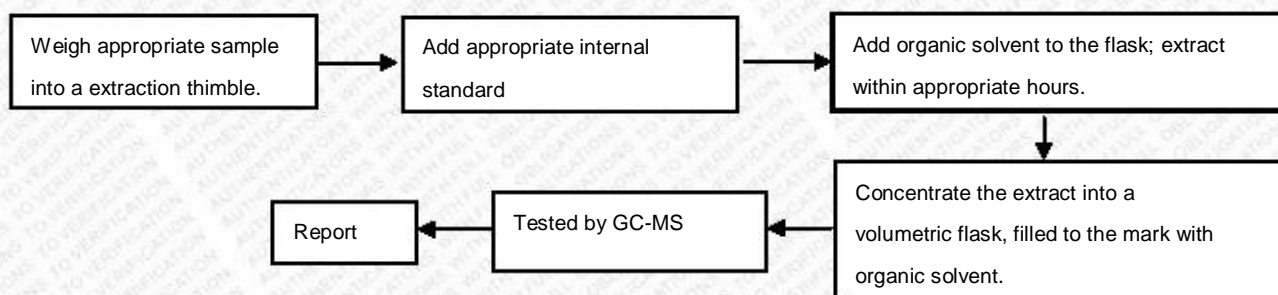
## 2. To Determine Mercury Content:



## 3. To Determine Hexavalent Chromium Content (for Polymer):



## 4. To Determine Polybrominated Biphenyls/Polybrominated Diphenyl Ethers Content:





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Test Results:

Item	Unit	RoHS Limit	Result
			A
Lead	mg/kg	1000	N.D.
Cadmium	mg/kg	100	N.D.
Mercury	mg/kg	1000	N.D.
Hexavalent Chromium	mg/kg	1000	N.D.

Item	Unit	RoHS Limit	Result
			A
PBBs	mg/kg	1000	N.D.
MonoBB	mg/kg	/	N.D.
DiBB	mg/kg	/	N.D.
TriBB	mg/kg	/	N.D.
TetraBB	mg/kg	/	N.D.
PentaBB	mg/kg	/	N.D.
HexaBB	mg/kg	/	N.D.
HeptaBB	mg/kg	/	N.D.
OctaBB	mg/kg	/	N.D.
NonaBB	mg/kg	/	N.D.
DecaBB	mg/kg	/	N.D.
PBDEs	mg/kg	1000	N.D.
MonoBDE	mg/kg	/	N.D.
DiBDE	mg/kg	/	N.D.
TriBDE	mg/kg	/	N.D.
TetraBDE	mg/kg	/	N.D.
PentaBDE	mg/kg	/	N.D.
HexaBDE	mg/kg	/	N.D.
HeptaBDE	mg/kg	/	N.D.
OctaBDE	mg/kg	/	N.D.
NonaBDE	mg/kg	/	N.D.
DecaBDE	mg/kg	/	N.D.

Specimen Description:

A: liquid



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Note:

- Specimens, which requested to determine Cadmium, Mercury and Lead Content, have been dissolved completely.
- mg/kg=ppm
- N.D.=not detected(<MDL)
- MDL=Method Detection Limit
- "Homogeneous material" means one material of uniform composition throughout or a material, consisting of a combination of materials, that cannot be disjointed or separated into different materials by mechanical actions such as unscrewing, cutting, crushing, grinding and abrasive processes.
- Photo is included

Photograph of Sample



3311 Uv-curable adhesive

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