



TEST REPORT

LAB NO. : (9317)118-1244
DATE : May 05, 2017
PAGE : 1 OF 10

APPLICANT : **CHENGDU MIROO BIO-TECHNOLOGY CO., LTD.**
成都市成华区东三环路二段龙潭工业园

CONTACT PERSON : Brian

DATE OF SUBMISSION : Apr 28, 2017

TEST PERIOD : Apr 28, 2017 to May 05, 2017

NO. OF WORKING DAYS : 5

SAMPLE DESCRIPTION : 棉棒 cotton wicks

Color: 白色

Style no. / Model no.: /

P.O. No.: /

Country of Origin: /

Country of Destination: /

MANUFACTURER : /

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Heavy Metals and Flame Retardants Content – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)	PASS	
Phthalates Test – Directive 2015/863/EU Amendment of European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) (Note: The amendment will be effective on 22 July 2019. For medical devices and control instruments, effective date will be 22 July 2021.)	PASS	

RW

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SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

ITEM	ITEM DESCRIPTION
1	White fibre
2	White textile

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD

NINA REN
SENIOR MANAGER



REMARK

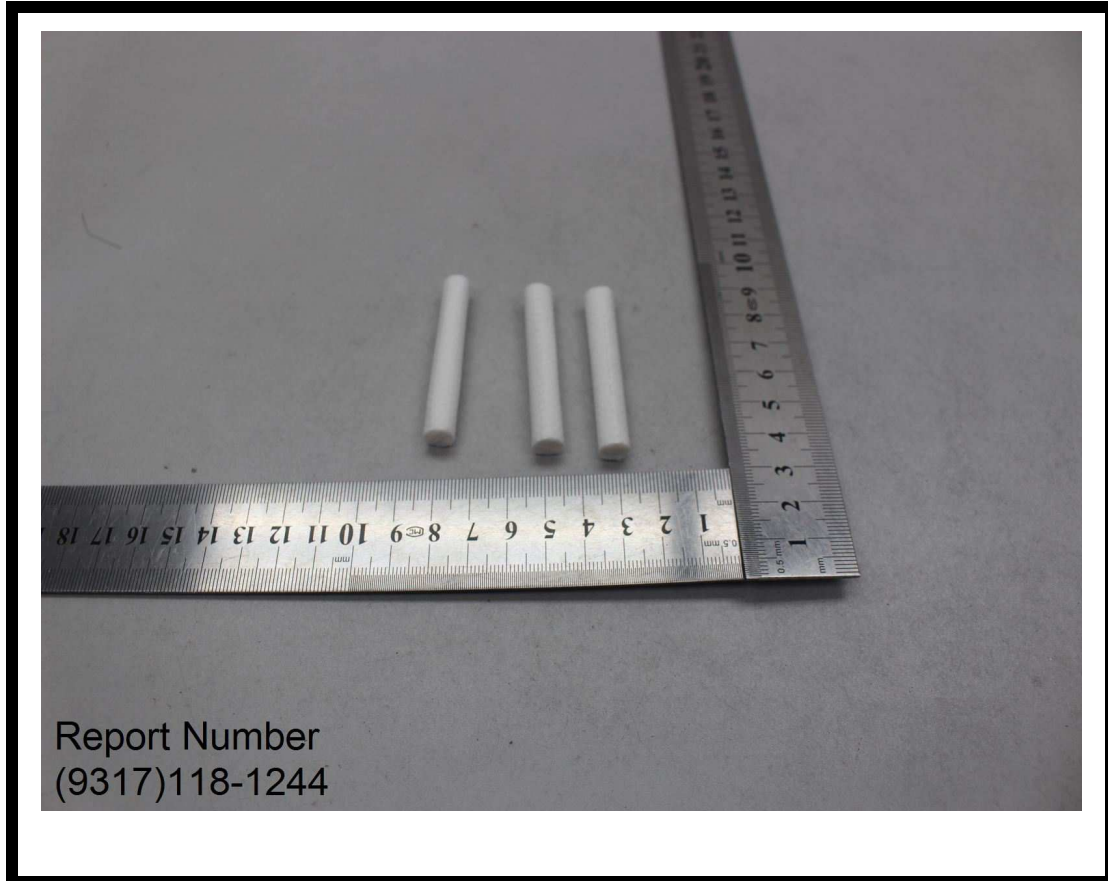
If there are questions or concerns on this report, please contact the following persons:

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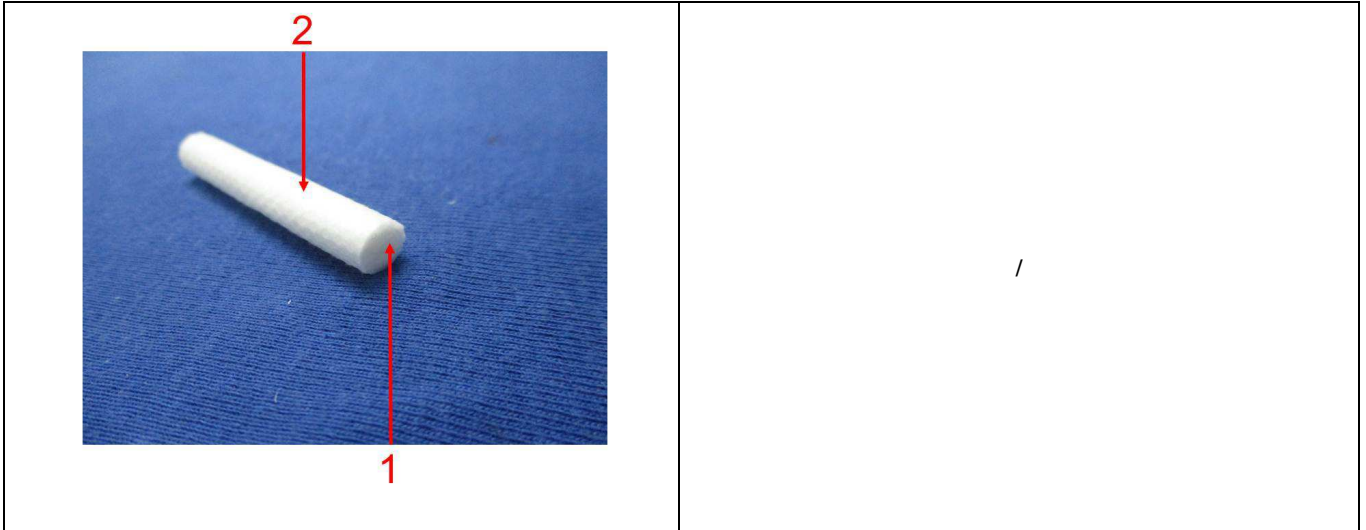


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Photo of the Submitted Sample



Photograph of test item(s)





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TEST RESULT

Heavy Metals and Flame Retardants Content - European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)

Test Method : See Appendix.

See Analytes (Parameter) and their corresponding Maximum Allowable Limit (Req.) in Result Table	Type I	Metallic material	
	Type II	Glass or ceramic material	
	Type III	Other non-metallic material except Type II	
-	Unit	Req.	Result
Test Item(s)	-	-	1+2
Type	-	III	III
Parameter	-	-	-
Lead (Pb)	mg/kg	1000	ND
Cadmium (Cd)	mg/kg	100	ND
Mercury (Hg)	mg/kg	1000	ND
Chromium VI (Cr VI)	mg/kg	1000	ND
PBBs	mg/kg	1000	ND
MonoBB	mg/kg	-	ND
DiBB	mg/kg	-	ND
TriBB	mg/kg	-	ND
TetraBB	mg/kg	-	ND
PentaBB	mg/kg	-	ND
HexaBB	mg/kg	-	ND
HeptaBB	mg/kg	-	ND
OctaBB	mg/kg	-	ND
NonaBB	mg/kg	-	ND
DecaBB	mg/kg	-	ND
PBDEs	mg/kg	1000	ND
MonoBDE	mg/kg	-	ND
DiBDE	mg/kg	-	ND
TriBDE	mg/kg	-	ND
TetraBDE	mg/kg	-	ND
PentaBDE	mg/kg	-	ND
HexaBDE	mg/kg	-	ND
HeptaBDE	mg/kg	-	ND
OctaBDE	mg/kg	-	ND
NonaBDE	mg/kg	-	ND
DecaBDE	mg/kg	-	ND
Conclusion	-	-	PASS



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Note / Key :

ND = Not detected
NR = Not requested
% = percent
Detection Limit (mg/kg) :
For Type I - Each (Pb, Cd & Hg) : 2.0
For Type II - Each (Pb, Cd, Hg & Cr VI) : 2.0
For Type III - Metal, Polymers & Electronics - Each (Pb, Cd, Hg & Cr VI) : 2.0; Each (PBBs & PBDEs) : 50;
Others - Each (Pb, Cd & Hg) : 2.0; Cr VI : 3.0; Each (PBBs & PBDEs) : 50

“>” = Greater than
mg/kg = milligram(s) per kilogram = ppm = part(s) per million
10 000 mg/kg = 1 %
Req. = Requirement

Remark :

- The testing approach is listed in table of Appendix.
- * Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Council Directive 2011/65/EU, Article 4(1).
- Only selected example(s) is (are) indicated on the photograph(s) in Comment.
- According to European Parliament and Council Directive 2011/65/EU, Article 5 “Adaptation of the Annexes to scientific and technical progress”, exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.



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TEST RESULT

Phthalates Test – Directive 2015/863/EU Amendment of European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)

Test Method : With reference to draft International Standard IEC 62321-8.

Maximum Allowable Limit:	DEHP, BBP, DBP & DIBP: 0.1% (Each)
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Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
1+2	ND	ND	%	PASS

Note / Key :

ND = Not detected

NR = Not requested

% = percent

Detection Limit (%) : 0.005

">" = Greater than

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

10 000 mg/kg = 1 %

Remark : The list of phthalates is summarized in table of Appendix.

END



**BUREAU
VERITAS**

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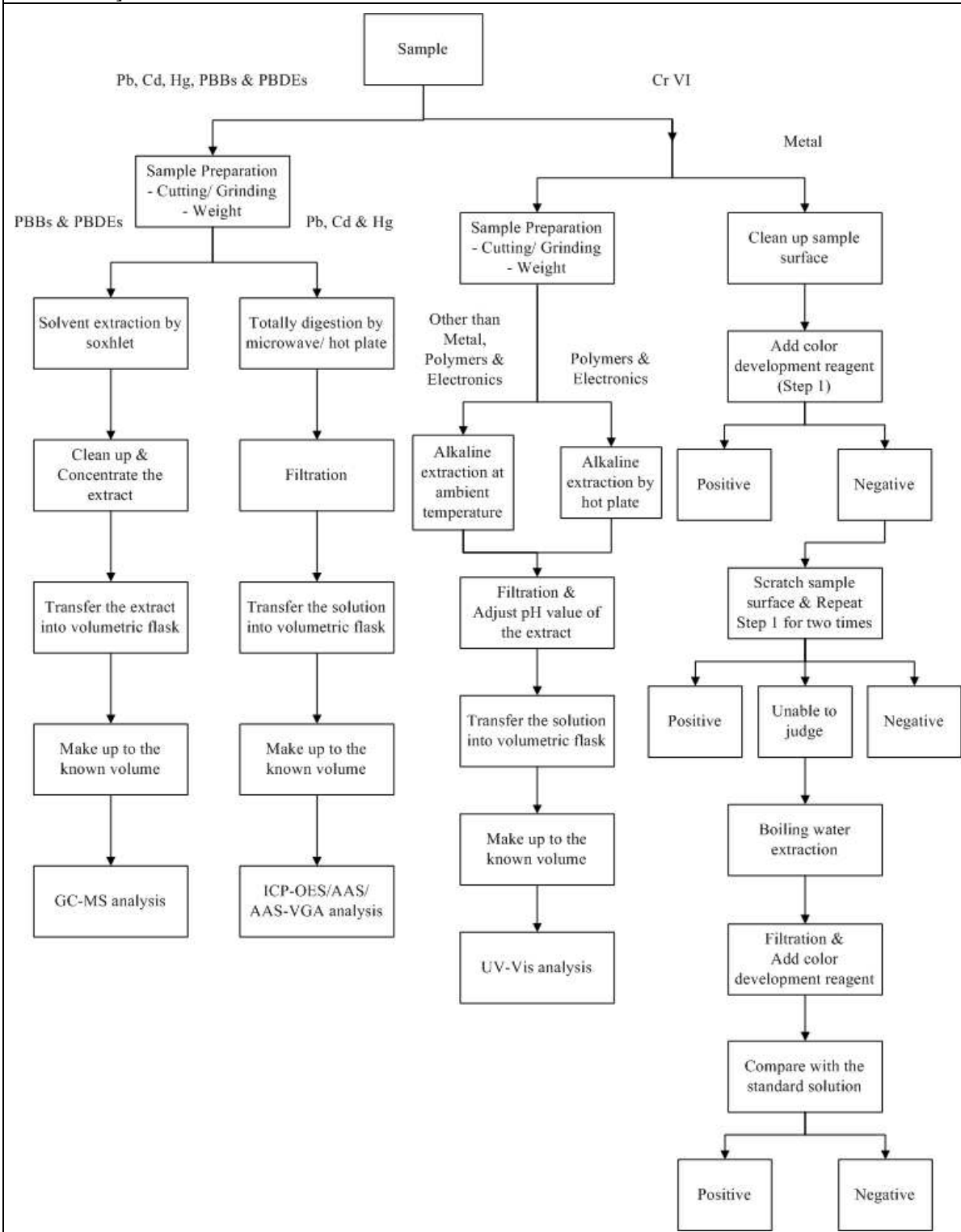
APPENDIX

List of Analytes and their Corresponding Test Methods [European Parliament and Council Directive 2011/65/EU] :		
No.	Name of Analytes	Test Method(s)
1	Lead (Pb)	With reference to International Standard IEC 62321-5: 2013.
2	Cadmium (Cd)	
3	Mercury (Hg)	With reference to International Standard IEC 62321-4: 2013.
4	Chromium VI (Cr VI)	<u>Metal</u> : With reference to International Standard IEC 62321-7-1: 2015. <u>Polymers and Electronics</u> : With reference to European Standard EN 62321: 2009, Annex C. <u>Leather</u> : International Standard ISO 17075: 2007 <u>Other than Metal, Leather, Polymers and Electronics:</u> With reference to International Standard ISO 17075: 2007
5	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	With reference to International Standard IEC 62321-6: 2015.
6	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	
[a]	The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples.	

List of Phthalates:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	3	Dibutyl phthalate (DBP)	84-74-2
2	Butyl benzyl phthalate (BBP)	85-68-7	4	Diisobutyl phthalate (DIBP)	84-69-5



Test Flowchart of Heavy Metals and Flame Retardants Content [European Parliament and Council Directive 2011/65/EU] :



Test Flowchart of Phthalates Content [European Parliament and Council Directive 2015/863/EU] :

