

CPST

Test Report

No. C180821007001-1

Date: Aug 24, 2018

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Xinshao Dexin insulating board Co., Ltd.

Guangxin road Daping Hunan Development Zone Xinshao County No. 1

The following samples were submitted and identified on behalf of the clients as

Sample Name: Natural Electrical insulating board
Model: 0.1mm_4.0mm
Material: 100% unbleached kraft softwood pulp
CPST Internal Reference No.: C180821007
Sample Received Date: Aug 21, 2018
Test Period: Aug 21, 2018 to Aug 24, 2018
Test Method: Please refer to next page(s).
Test Result: Please refer to next page(s).

CONCLUSION :

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
	1.RoHS Directive 2011/65/EU Annex II amending Annex (EU)2017/2102	
Natural Electrical insulating board	— Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	PASS
	—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	PASS



Signed for and on behalf of
Euronos Consumer Products Testing Service Co., Ltd

TESTED BY :

REVIEWED BY:

APPROVED BY:

Andy Wang

Sunshine Liu

Will Pan

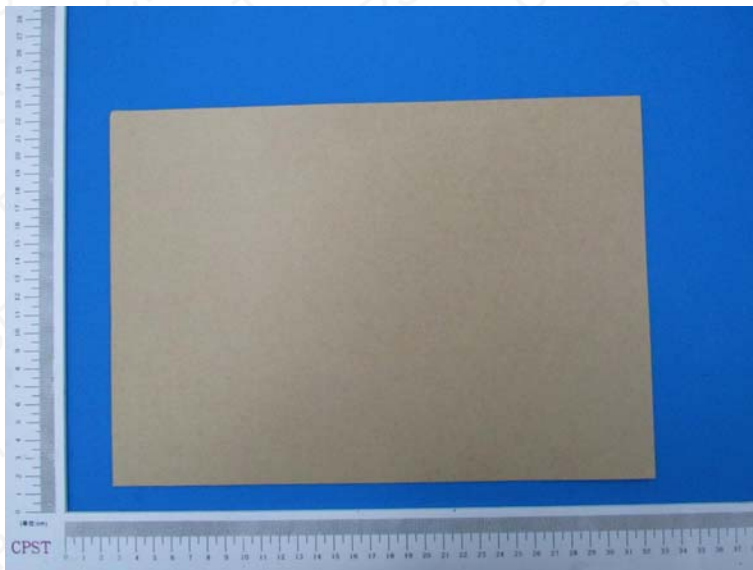
Wang Guang Yu, Andy
Project Leader

Liu Xiao Fang, Sunshine
Report Reviewer

Pan Jian Ding, Will
Technical Supervisor

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Photo of the Submitted Sample



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Test Result(s):

Description of Specimen : Natural board

1. Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs—RoHS Directive 2011/65/EU

Annex II amending Annex (EU)2017/2102

Test Items	Unit	Test Method	Result	MDL	Limit
Lead (Pb)	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	2	1000
Mercury (Hg)	mg/kg	IEC 62321-4:2013+A1:2017, ICP-OES	N.D.	2	1000
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	2	100
Hexavalent Chromium (CrVI)	mg/kg	IEC 62321-7-2:2017, UV-VIS	N.D.	2	1000
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Sum of PBBs	mg/kg	-	N.D.	-	1000
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Sum of PBDEs	mg/kg	-	N.D.	-	1000

- Note:
1. mg/kg = milligram per kilogram = ppm
 2. N.D. = Not Detected (< MDL)
 3. MDL = Method Detection Limit
 4. "-" = Not Regulated

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Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) Content—RoHS Directive 2011/65/EU Annex II amending Annex (EU)2017/2102

Test method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Items	Unit	Result	MDL	Limit
Di-(2-ethylhexyl) phthalate (DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate (BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate (DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP)	mg/kg	N.D.	50	1000

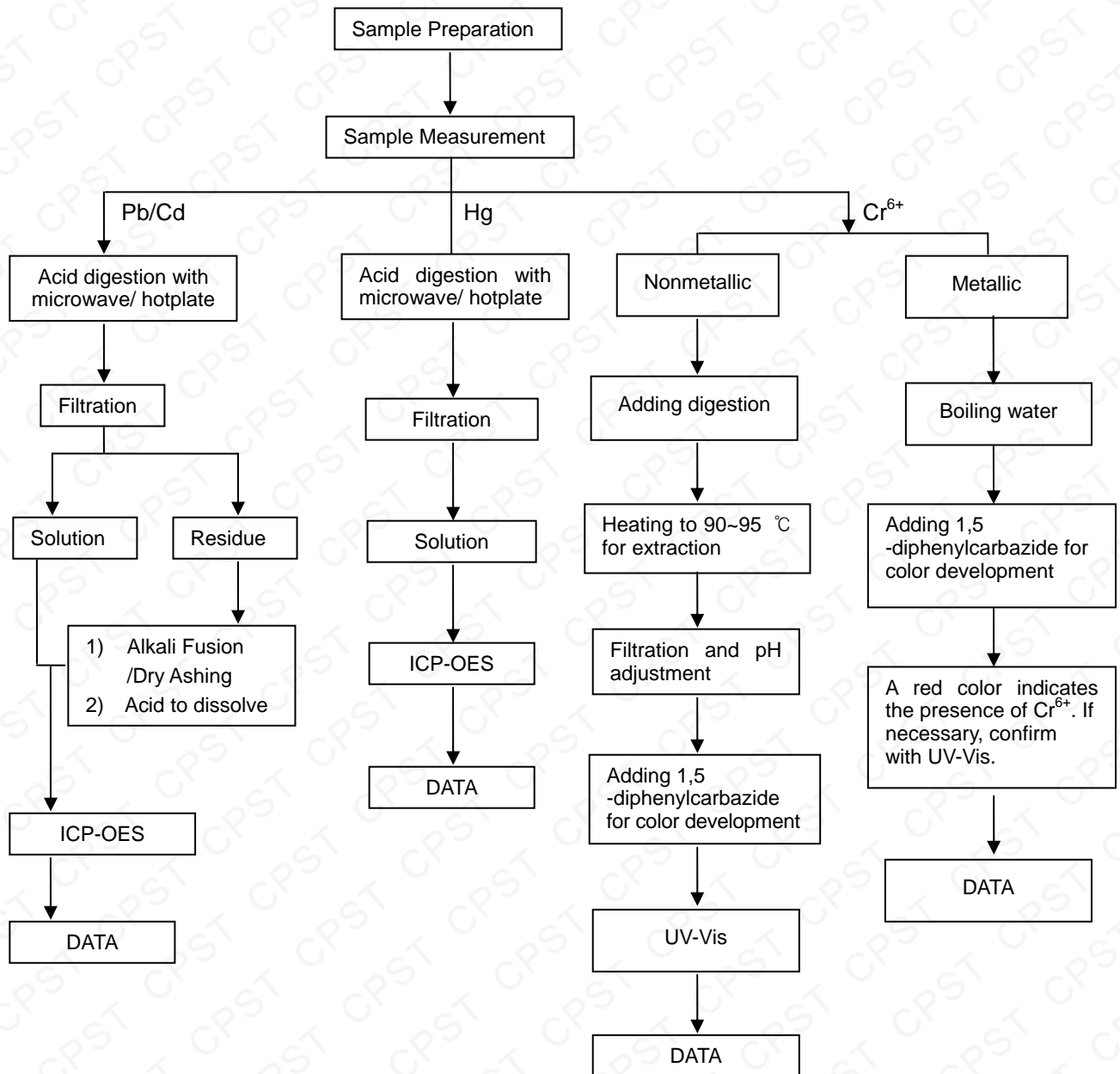
Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (<MDL)
3. MDL = Method detection limit

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Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

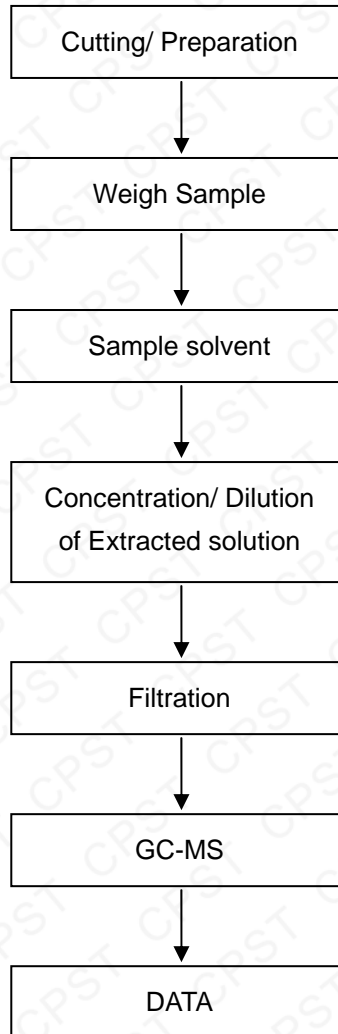
- 1) Name of the person who made measurement: Andy Wang
- 2) Name of the person in charge of measurement: James Wang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)



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PBBs/PBDEs Testing Flow Chart

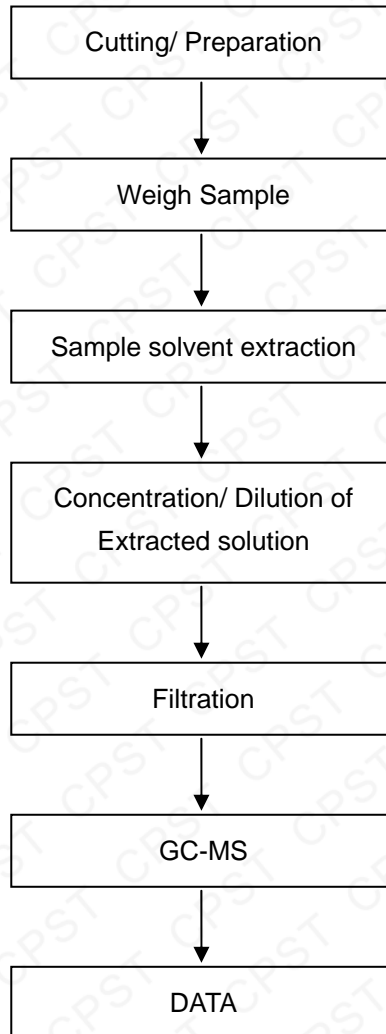
- 1) Name of the person who made measurement: Andy Wang
- 2) Name of the person in charge of measurement: James Wang



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Phthalates Testing Flow Chart

- 1) Name of the person who made measurement: Andy Wang
- 2) Name of the person in charge of measurement: James Wang



*** End of Report ***

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