Customer: SHENZHEN JLC TECHNOLOGY GROUP CO.,LTD.

Customer Address: 27TH FLOOR, OLYMPIC BUILDING,SHANGBAO ROAD,FUTIAN DISTRICT,SHENZHEN CITY,GUANGDONG PROVINCE

Sample Name:	PCB
Sample Description:	ENIG (Electroless Nickel/ Immersion Gold)
Sample Quantity:	1
Manufacturer:	SHENZHEN JLC TECHNOLOGY GROUP CO.,LTD.

The above samples and information are provided by the customer

Sample Received Date:	Nov 20, 2025
Test Period:	Nov 20, 2025
Test Requirements:	The submitted sample(s) were specifically tested according to 2011/65/EU and (EU)2015/863 by client's requirements.
Test Method:	EN 62321-4:2014+A1:2017, EN 62321-5:2014, EN 62321-7-2:2017, EN 62321-6:2015, EN 62321-8:2017.
Test Result:	Please refer to next page(s)

Result Summary:

Test Requested	Conclusion
1. RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863	
1) Lead, Mercury,Cadmium,Hexavalent Chromium Content	**PASS**
2) PBBs and PBDEs Content	**PASS**
3) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	**PASS**

Soar Testing Certification (GuangDong) Co.,Ltd.

WRITTEN BY	REVIEWED BY	APPROVED BY
Zooey Zhang	Sunshine Liu	Frank Wu
		Approved signatory

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Lab name: Soar Testing Certification (GuangDong) Co., Ltd. **Address:** Room 1093, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China
Post Code: 523945 **Tel:** (86-769) 38937518 **E-mail:** service@soar-cert.com **Website:** http://www.soartestlab.com

Test Result(s):

Description of test sample:

Sample No.	Item / Component Description(s)	Location(s)	Style(s)/Model(s)
1	PCB board	Refer to photo	/

Note: "/"= Customer does not provide.

1. RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863

1) Lead, Mercury,Cadmium, Hexavalent Chromium Content

Test method: EN 62321-4:2014+A1:2017,EN 62321-5:2014 and EN 62321-7-2:2017, analysis was performed by ICP-OES and UV-Vis.

Test Item	Limit	Unit	MDL	Result
				No.1
Lead (Pb)	1000	mg/kg	2	N.D.
Mercury (Hg)	1000	mg/kg	2	N.D.
Cadmium(Cd)	100	mg/kg	2	N.D.
Hexavalent Chromium (CrVI)	1000	mg/kg	2	N.D.
Conclusion				PASS

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. EN 62321 series is equivalent to IEC 62321 series

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2) PBBs and PBDEs Content

Test method: EN 62321-6:2015 , analysis was performed by GC-MS.

Test Item	Limit	Unit	MDL	Result
				No.1
Sum of Polybrominated biphenyls(PBBs)	1000	mg/kg	-	N.D.
Sum of Polybrominated diphenyl ethers(PBDEs) .	1000	mg/kg	-	N.D.
Monobromobiphenyl	-	mg/kg	5	N.D.
Dibromobiphenyl	-	mg/kg	5	N.D.
Tribromobiphenyl	-	mg/kg	5	N.D.
Tetrabromobiphenyl	-	mg/kg	5	N.D.
Pentabromobiphenyl	-	mg/kg	5	N.D.
Hexabromobiphenyl	-	mg/kg	5	N.D.
Heptabromobiphenyl	-	mg/kg	5	N.D.
Octabromobiphenyl	-	mg/kg	5	N.D.
Nonabromobiphenyl	-	mg/kg	5	N.D.
Decabromobiphenyl	-	mg/kg	5	N.D.
Monobromodiphenyl ether	-	mg/kg	5	N.D.
Dibromodiphenyl ether	-	mg/kg	5	N.D.
Tribromodiphenyl ether	-	mg/kg	5	N.D.
Tetrabromodiphenyl ether	-	mg/kg	5	N.D.
Pentabromodiphenyl ether	-	mg/kg	5	N.D.
Hexabromodiphenyl ether	-	mg/kg	5	N.D.
Heptabromodiphenyl ether	-	mg/kg	5	N.D.
Octabromodiphenyl ether	-	mg/kg	5	N.D.
Nonabromodiphenyl ether	-	mg/kg	5	N.D.
Decabromodiphenyl ether	-	mg/kg	5	N.D.
Conclusion				PASS

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. "-" = Not Regulated
5. EN 62321 series is equivalent to IEC 62321 series

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3) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content

Test method: EN 62321-8:2017, analysis was performed by GC-MS.

Test Item	Limit	Unit	MDL	Result
				No.1
Di-(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	N.D.
Benzylbutyl phthalate (BBP)	1000	mg/kg	50	N.D.
Dibutyl phthalate (DBP)	1000	mg/kg	50	N.D.
Diisobutyl phthalate(DIBP)	1000	mg/kg	50	N.D.
Conclusion				PASS

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. EN 62321 series is equivalent to IEC 62321 series

Remark:

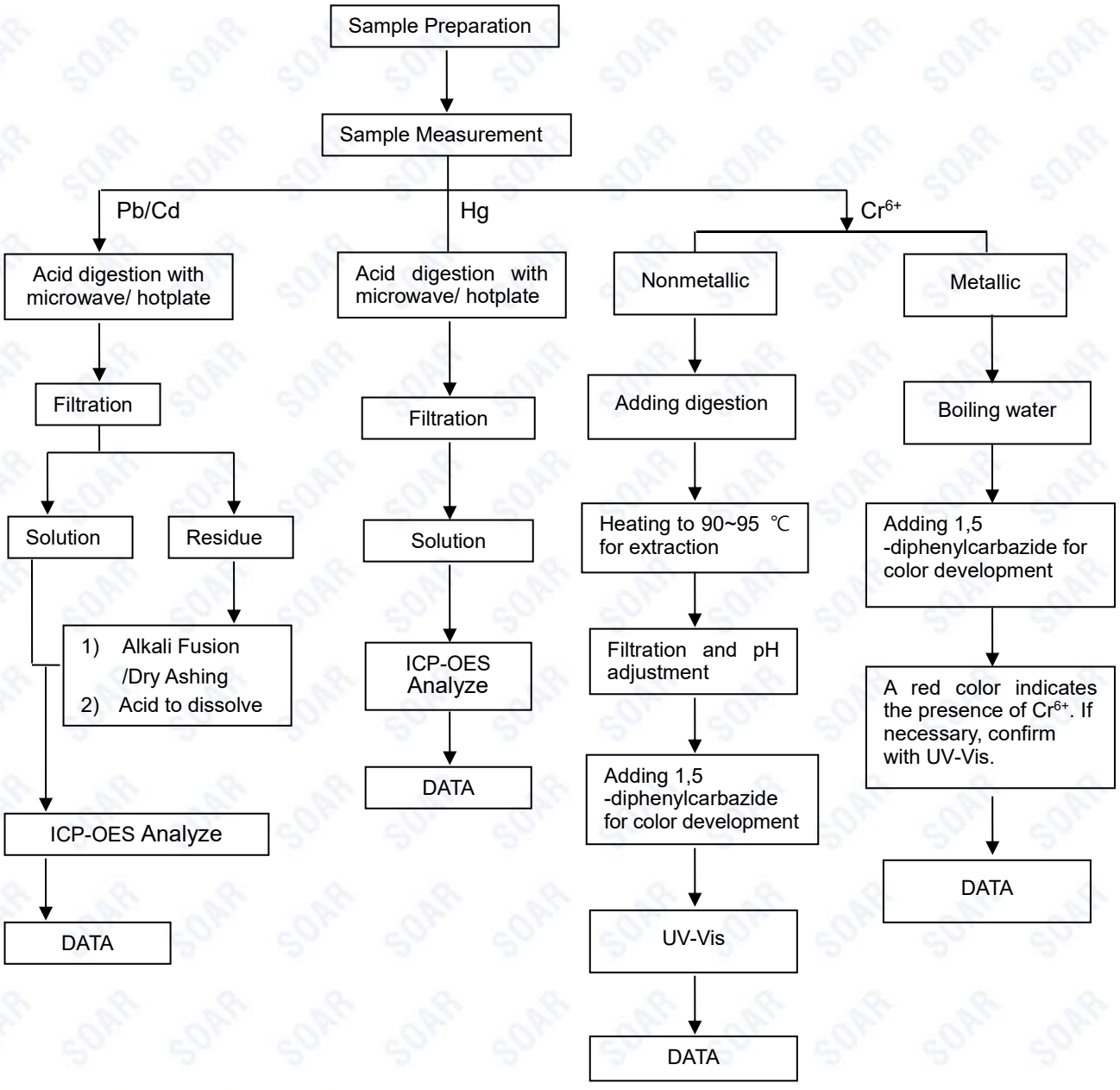
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4. The customer information, sample information, usage conditions and label information mentioned in the testing report are provided by the customer, and the customer is responsible for their authenticity. SOAR has not verified their authenticity.
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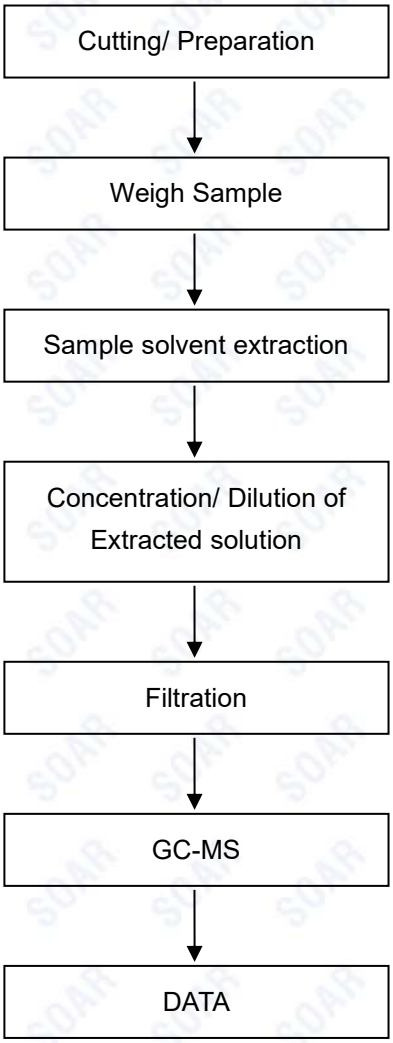
Pb/Cd/Hg/Cr^{6+} Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} test method excluded)



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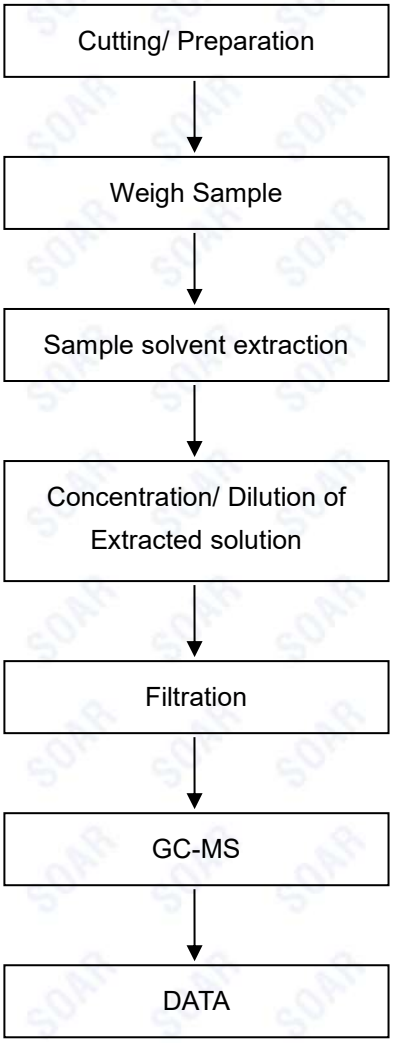
PBBs/PBDEs Testing Flow Chart



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Phthalates Testing Flow Chart

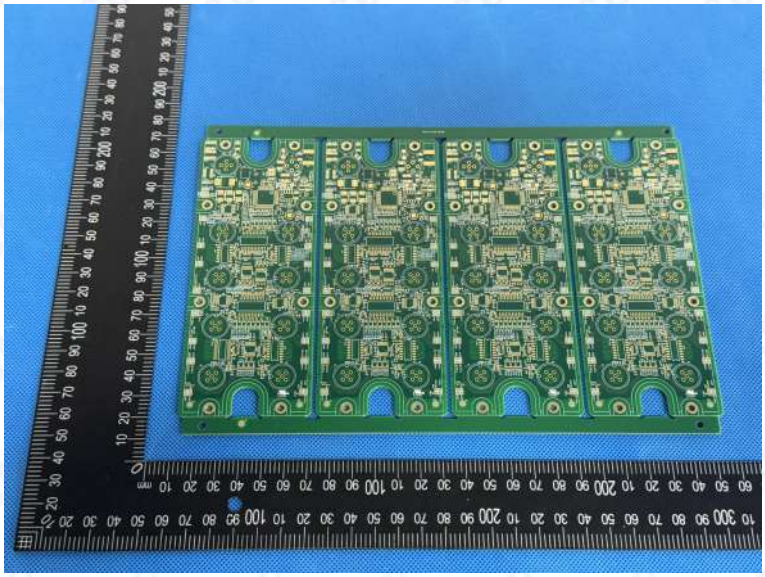


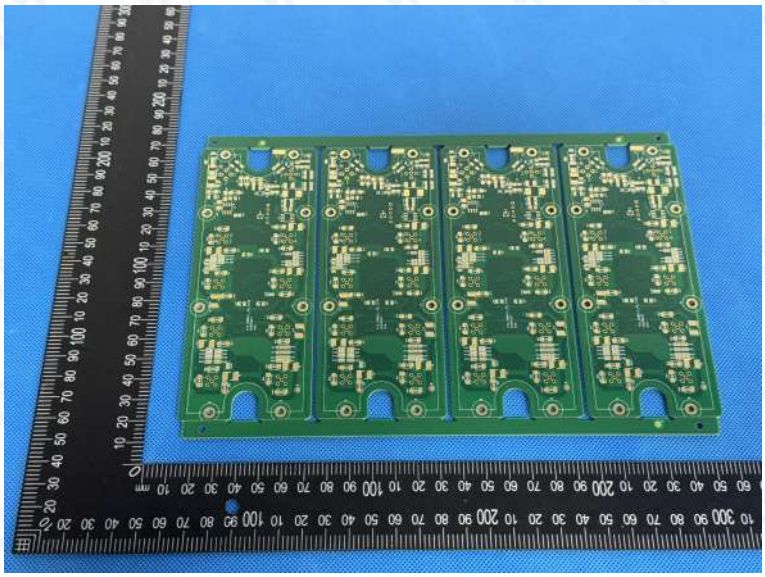
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Photo of the Sample:

Test sample





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*** End of Report ***

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Customer: SHENZHEN JLC TECHNOLOGY GROUP CO.,LTD.

Customer Address: 27TH FLOOR, OLYMPIC BUILDING,SHANGBAO ROAD,FUTIAN DISTRICT,SHENZHEN CITY,GUANGDONG PROVINCE

Sample Name:	PCB
Sample Description:	Lead-free-HASL
Sample Quantity:	1
Manufacturer:	SHENZHEN JLC TECHNOLOGY GROUP CO.,LTD.

The above samples and information are provided by the customer

Sample Received Date:	Nov 20, 2025
Test Period:	Nov 20, 2025
Test Requirements:	The submitted sample(s) were specifically tested according to 2011/65/EU and (EU)2015/863 by client's requirements.
Test Method:	EN 62321-4:2014+A1:2017, EN 62321-5:2014, EN 62321-7-2:2017, EN 62321-6:2015, EN 62321-8:2017.
Test Result:	Please refer to next page(s)

Result Summary:

Test Requested	Conclusion
1. RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863	
1) Lead, Mercury,Cadmium,Hexavalent Chromium Content	**PASS**
2) PBBs and PBDEs Content	**PASS**
3) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	**PASS**

Soar Testing Certification (GuangDong) Co.,Ltd.

WRITTEN BY: Zooey Zhang

REVIEWED BY: Sunshine Liu

APPROVED BY: Frank Wu

Approved signatory

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Test Result(s):

Description of test sample:

Sample No.	Item / Component Description(s)	Location(s)	Style(s)/Model(s)
1	PCB board	Refer to photo	/

Note: "/"= Customer does not provide.

1. RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863

1) Lead, Mercury,Cadmium, Hexavalent Chromium Content

Test method: EN 62321-4:2014+A1:2017,EN 62321-5:2014 and EN 62321-7-2:2017, analysis was performed by ICP-OES and UV-Vis.

Test Item	Limit	Unit	MDL	Result
				No.1
Lead (Pb)	1000	mg/kg	2	N.D.
Mercury (Hg)	1000	mg/kg	2	N.D.
Cadmium(Cd)	100	mg/kg	2	N.D.
Hexavalent Chromium (CrVI)	1000	mg/kg	2	N.D.
Conclusion				PASS

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. EN 62321 series is equivalent to IEC 62321 series

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2) PBBs and PBDEs Content

Test method: EN 62321-6:2015 , analysis was performed by GC-MS.

Test Item	Limit	Unit	MDL	Result
				No.1
Sum of Polybrominated biphenyls(PBBs)	1000	mg/kg	-	N.D.
Sum of Polybrominated diphenyl ethers(PBDEs) .	1000	mg/kg	-	N.D.
Monobromobiphenyl	-	mg/kg	5	N.D.
Dibromobiphenyl	-	mg/kg	5	N.D.
Tribromobiphenyl	-	mg/kg	5	N.D.
Tetrabromobiphenyl	-	mg/kg	5	N.D.
Pentabromobiphenyl	-	mg/kg	5	N.D.
Hexabromobiphenyl	-	mg/kg	5	N.D.
Heptabromobiphenyl	-	mg/kg	5	N.D.
Octabromobiphenyl	-	mg/kg	5	N.D.
Nonabromobiphenyl	-	mg/kg	5	N.D.
Decabromobiphenyl	-	mg/kg	5	N.D.
Monobromodiphenyl ether	-	mg/kg	5	N.D.
Dibromodiphenyl ether	-	mg/kg	5	N.D.
Tribromodiphenyl ether	-	mg/kg	5	N.D.
Tetrabromodiphenyl ether	-	mg/kg	5	N.D.
Pentabromodiphenyl ether	-	mg/kg	5	N.D.
Hexabromodiphenyl ether	-	mg/kg	5	N.D.
Heptabromodiphenyl ether	-	mg/kg	5	N.D.
Octabromodiphenyl ether	-	mg/kg	5	N.D.
Nonabromodiphenyl ether	-	mg/kg	5	N.D.
Decabromodiphenyl ether	-	mg/kg	5	N.D.
Conclusion				PASS

Note:

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3) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content

Test method: EN 62321-8:2017, analysis was performed by GC-MS.

Test Item	Limit	Unit	MDL	Result
				No.1
Di-(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	N.D.
Benzylbutyl phthalate (BBP)	1000	mg/kg	50	N.D.
Dibutyl phthalate (DBP)	1000	mg/kg	50	N.D.
Diisobutyl phthalate(DIBP)	1000	mg/kg	50	N.D.
Conclusion				PASS

Note:

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2. N.D. = Not Detected (< MDL)
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4. EN 62321 series is equivalent to IEC 62321 series

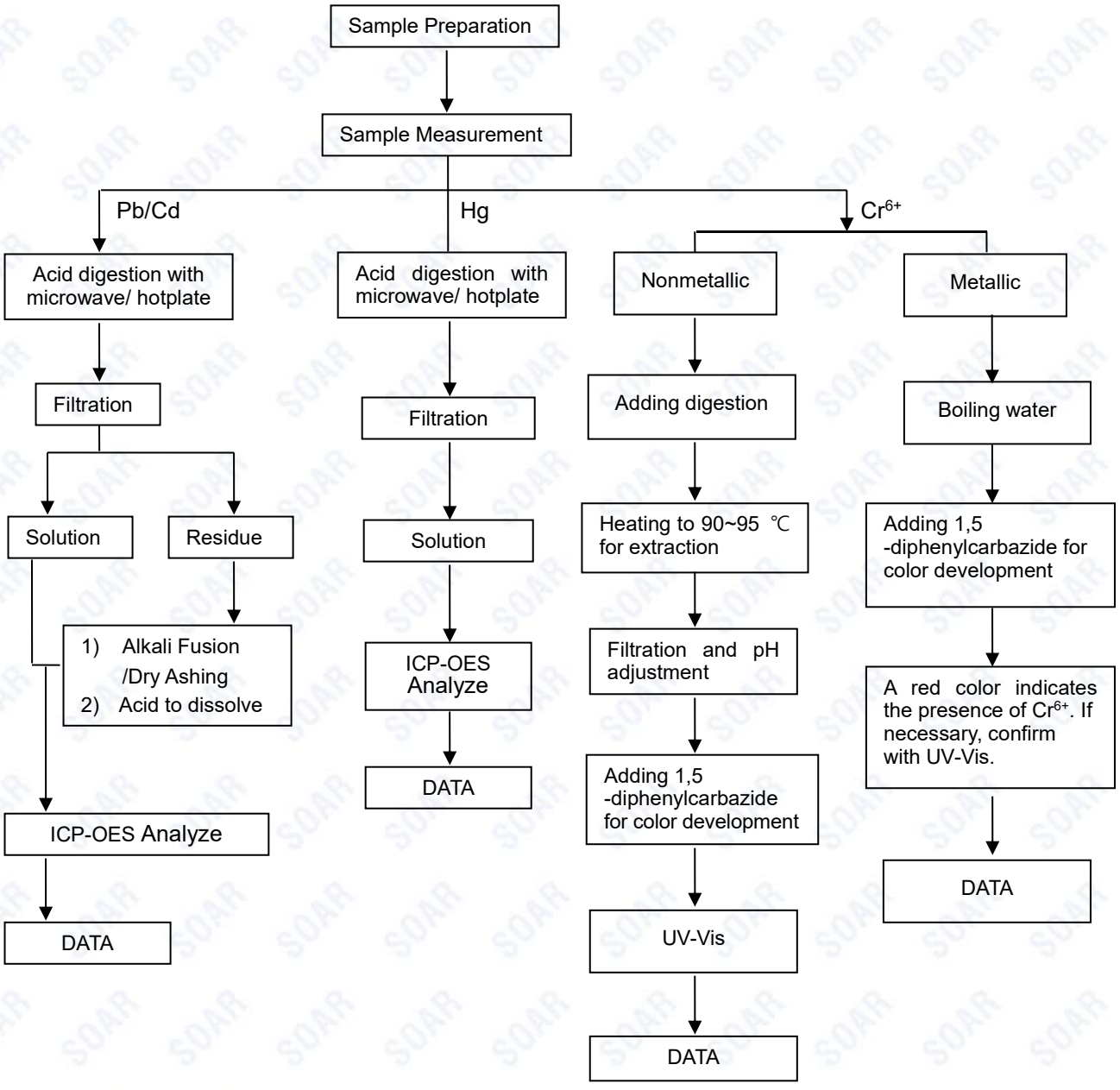
Remark:

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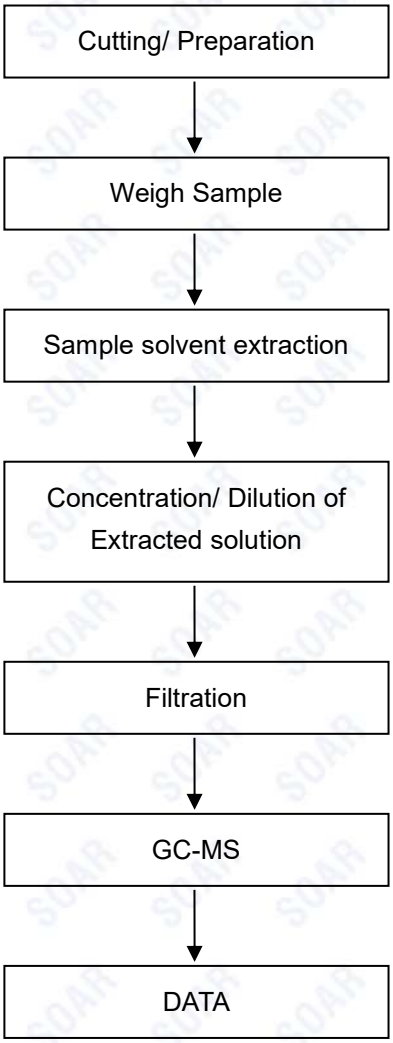
Pb/Cd/Hg/Cr^{6+} Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} test method excluded)



Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this report is unlawful and offenders may be prosecuted to the fullest extent of the law. Any demurral to the content of test report, please propose in 15 days.

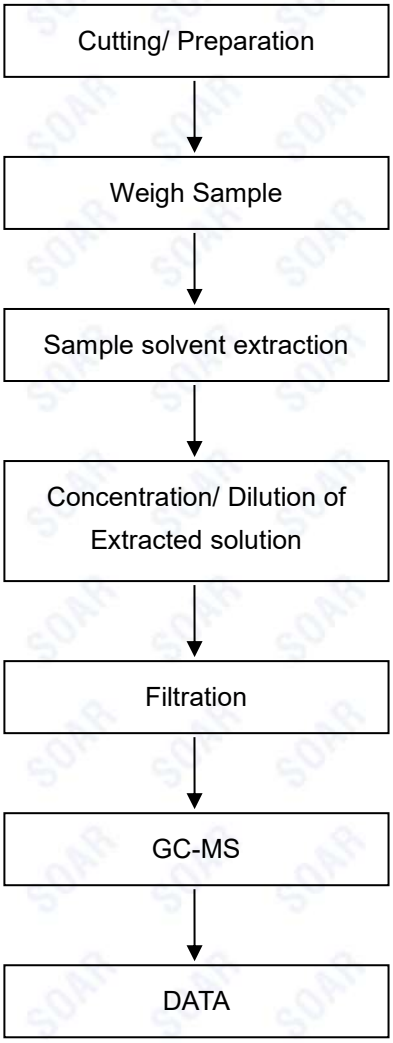
PBBs/PBDEs Testing Flow Chart



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Post Code: 523945 **Tel:** (86-769) 38937518 **E-mail:** service@soar-cert.com **Website:** http://www.soartestlab.com

Phthalates Testing Flow Chart

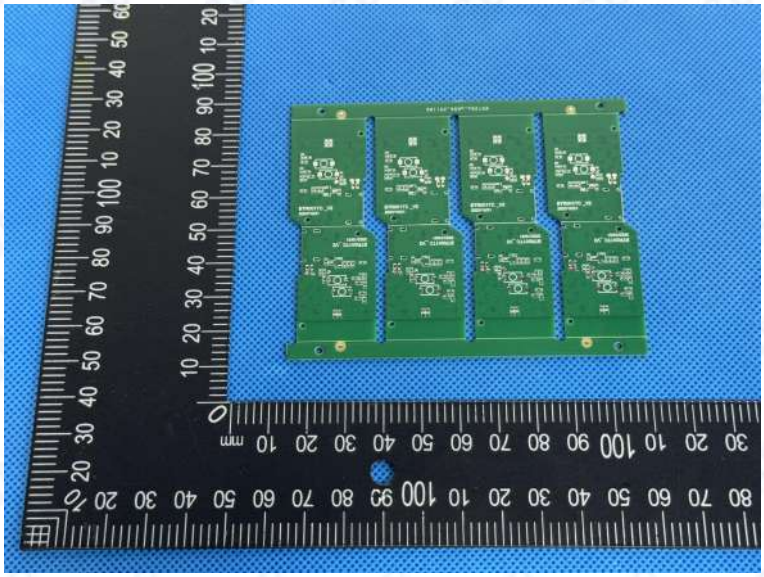


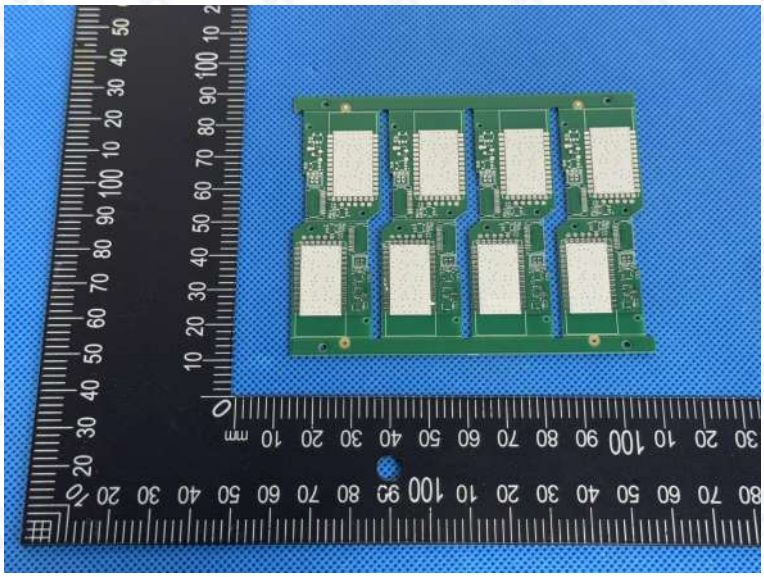
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Post Code: 523945 **Tel:** (86-769) 38937518 **E-mail:** service@soar-cert.com **Website:** http://www.soartestlab.com

Photo of the Sample:

Test sample





The photo is for use with SOAR original report only.

*** End of Report ***

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Customer: SHENZHEN JLC TECHNOLOGY GROUP CO.,LTD.

Customer Address: 27TH FLOOR, OLYMPIC TOWER, SHANGBAO ROAD, FUTIAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, CHINA

Sample Name:	PCB（OSP）
Description:	OSP

The above samples and information are provided by the customer

Sample Received Date:	Jul 22, 2026
Test Period:	Jul 22, 2026 to Jul 23, 2026
Test Requirements:	The submitted sample(s) were specifically tested according to 2011/65/EU and (EU)2015/863 by client's requirements.
Test Method:	EN 62321-4:2014+A1:2017, EN 62321-5:2014, EN 62321-7-2:2017, EN 62321-6:2015, EN 62321-8:2017.
Test Result:	Please refer to next page(s)

Result Summary:

Test Requested	Conclusion
1. RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863	
1) Lead, Mercury,Cadmium,Hexavalent Chromium Content	**PASS**
2) PBBs and PBDEs Content	**PASS**
3) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	**PASS**

Soar Testing Certification (GuangDong) Co., Ltd.

WRITTEN BY	REVIEWED BY	APPROVED BY
Zooey Zhang	Sunshine Liu	Frank Wu
Zooey Zhang	Sunshine Liu	Frank Wu

Approved signatory

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Test Result(s):

Description of test sample:

Sample No.	Item / Component Description(s)	Location(s)	Style(s)/Model(s)
1	PCB（OSP）	Refer to photo	/

Note: "/"= Customer does not provide.

1. RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863

1) Lead, Mercury,Cadmium, Hexavalent Chromium Content

Test method: EN 62321-4:2014+A1:2017,EN 62321-5:2014 and EN 62321-7-2:2017, analysis was performed by ICP-OES and UV-Vis.

Test Item	Limit	Unit	MDL	Result
				No.1
Lead (Pb)	1000	mg/kg	2	N.D.
Mercury (Hg)	1000	mg/kg	2	N.D.
Cadmium(Cd)	100	mg/kg	2	N.D.
Hexavalent Chromium (CrVI)	1000	mg/kg	2	N.D.
Conclusion				PASS

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. EN 62321 series is equivalent to IEC 62321 series

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2) PBBs and PBDEs Content

Test method: EN 62321-6:2015 , analysis was performed by GC-MS.

Test Item	Limit	Unit	MDL	Result
				No.1
Sum of Polybrominated biphenyls(PBBs)	1000	mg/kg	-	N.D.
Sum of Polybrominated diphenyl ethers(PBDEs) .	1000	mg/kg	-	N.D.
Monobromobiphenyl	-	mg/kg	5	N.D.
Dibromobiphenyl	-	mg/kg	5	N.D.
Tribromobiphenyl	-	mg/kg	5	N.D.
Tetrabromobiphenyl	-	mg/kg	5	N.D.
Pentabromobiphenyl	-	mg/kg	5	N.D.
Hexabromobiphenyl	-	mg/kg	5	N.D.
Heptabromobiphenyl	-	mg/kg	5	N.D.
Octabromobiphenyl	-	mg/kg	5	N.D.
Nonabromobiphenyl	-	mg/kg	5	N.D.
Decabromobiphenyl	-	mg/kg	5	N.D.
Monobromodiphenyl ether	-	mg/kg	5	N.D.
Dibromodiphenyl ether	-	mg/kg	5	N.D.
Tribromodiphenyl ether	-	mg/kg	5	N.D.
Tetrabromodiphenyl ether	-	mg/kg	5	N.D.
Pentabromodiphenyl ether	-	mg/kg	5	N.D.
Hexabromodiphenyl ether	-	mg/kg	5	N.D.
Heptabromodiphenyl ether	-	mg/kg	5	N.D.
Octabromodiphenyl ether	-	mg/kg	5	N.D.
Nonabromodiphenyl ether	-	mg/kg	5	N.D.
Decabromodiphenyl ether	-	mg/kg	5	N.D.
Conclusion				PASS

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. "-" = Not Regulated
5. EN 62321 series is equivalent to IEC 62321 series

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3) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content

Test method: EN 62321-8:2017, analysis was performed by GC-MS.

Test Item	Limit	Unit	MDL	Result
				No.1
Di-(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	N.D.
Benzylbutyl phthalate (BBP)	1000	mg/kg	50	N.D.
Dibutyl phthalate (DBP)	1000	mg/kg	50	N.D.
Diisobutyl phthalate(DIBP)	1000	mg/kg	50	N.D.
Conclusion				PASS

Note:

1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. EN 62321 series is equivalent to IEC 62321 series

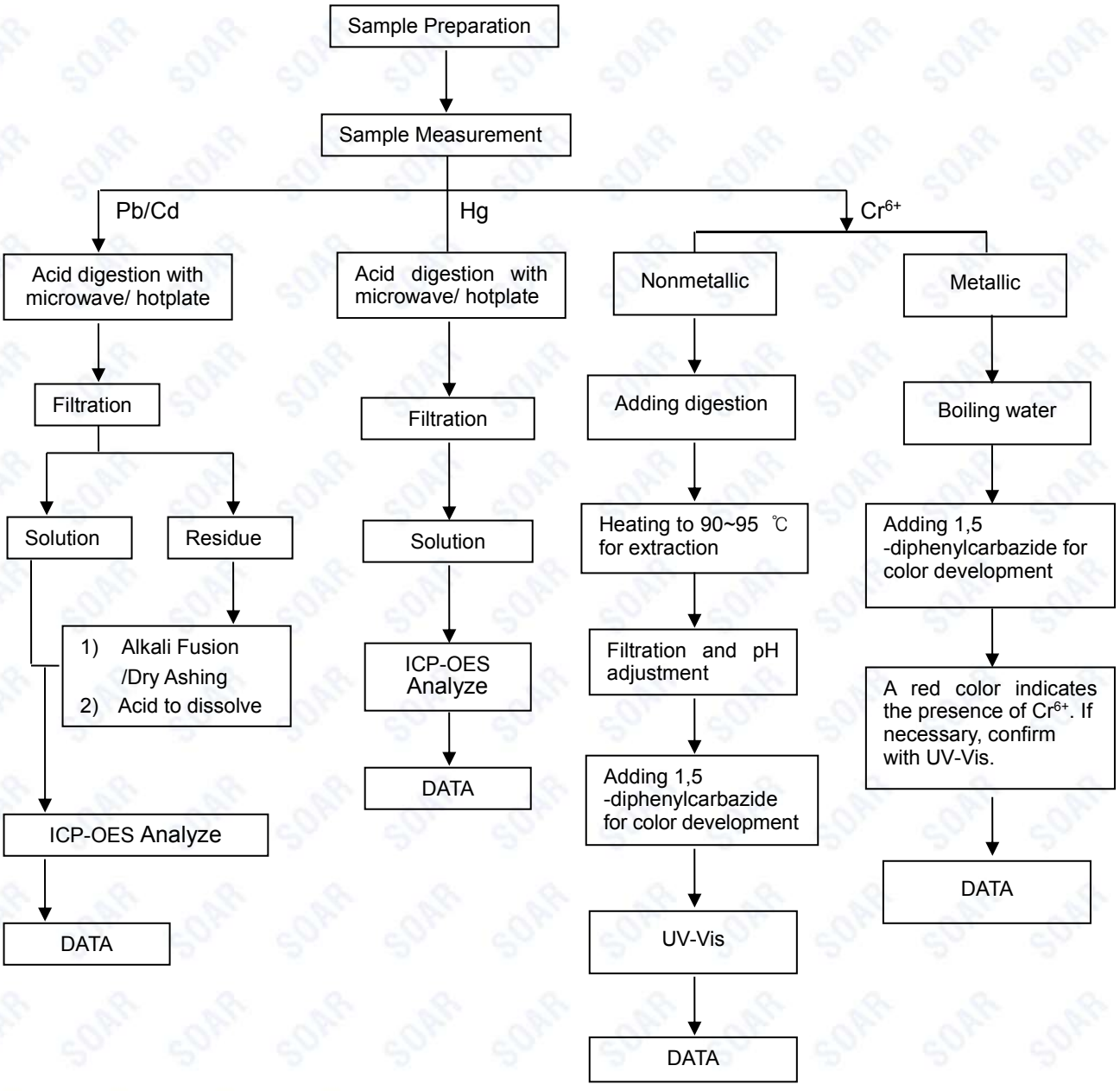
Remark:

1. As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample.
2. The test report cannot be partially quoted or copied, without prior written permission of the company.
3. The test report is invalid if rewritten, added and deleted, without approved signature, or shall be invalid if it is not stamped with the special seal for testing.
4. The customer information, sample information, usage conditions and label information mentioned in the testing report are provided by the customer, and the customer is responsible for their authenticity. SOAR has not verified their authenticity.
5. If this test report is not stamped with the CMA mark seal, only for customer research, teaching, internal quality control, product development and other activities.

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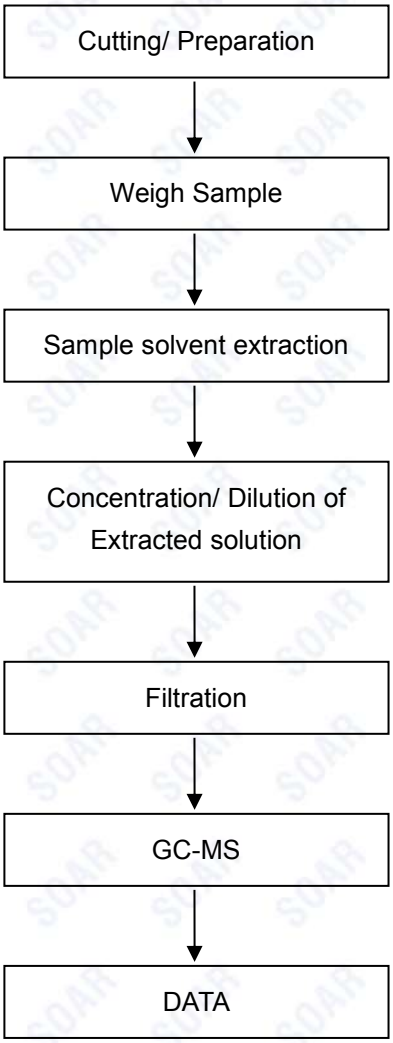
Pb/Cd/Hg/Cr^{6+} Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} test method excluded)



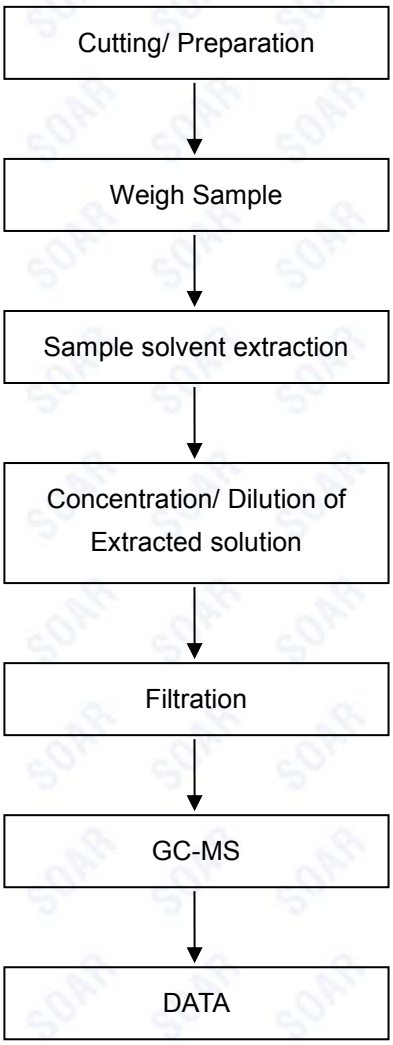
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PBBs/PBDEs Testing Flow Chart



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Phthalates Testing Flow Chart

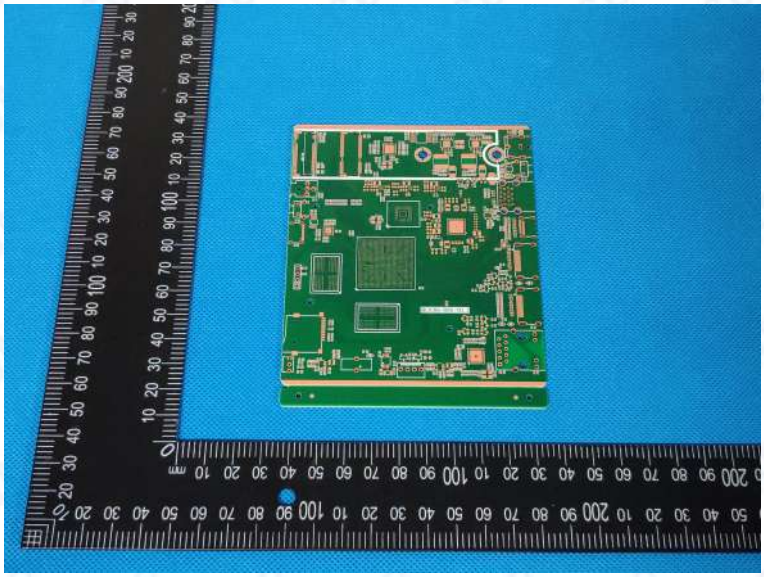


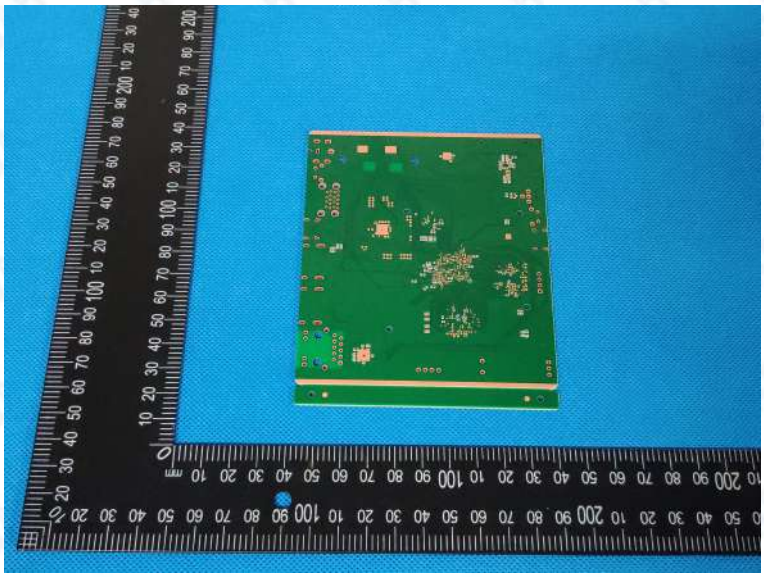
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Photo of the Sample:

Test sample





The photo is for use with SOAR original report only.

*** End of Report ***

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