

Test Report
检测报告

No. C230411083002-1
编号: C230411083002-1

Date: Apr 15, 2023
日期: 2023年04月15日

Page 1 of 10
第1页,共10页

Applicant: HUIZHOU YINGGUANG PLASTIC PIGMENTS CO., LTD

申请公司: 惠州莹光塑胶颜料有限公司

Applicant Address: Building 7, Yingfeng Industrial Park, Sanhe Economic Development Zone, Huiyang District, Huizhou City, Guangdong Province

申请公司地址: 广东省惠州市惠阳区三和经济开发区盈丰工业园7栋

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

以下测试之样品是由申请者所提供及确认

Sample Name:	Luminous powder
样品名称:	夜光粉
Mode:	Please refer to next page(s)
型号:	请参见下一页
CPST Internal Reference No.:	C230411083
CPST 参考编号:	C230411083
Date of Sample Received:	Apr 11, 2023
收样日期:	2023年04月11日
Testing Period:	Apr 11, 2023 to Apr 15, 2023
测试周期:	2023年04月11日至2023年04月15日
Test Method:	Please refer to next page(s)
测试方法:	请参见下一页
Test Result:	Please refer to next page(s)
测试结果:	请参见下一页

Signed for and on behalf of
Eurones (Dongguan) Consumer Products Testing Service Co., Ltd



WRITTEN BY :

Fair Zu

卢剑飞, Fair
报告编写员

REVIEWED BY:

Sunshine Liu

刘小芳, Sunshine
报告审核员

APPROVED BY:

Will Pan

潘坚定, Will
技术总监

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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起15日内提出,逾期不予受理。



400 111 6218

Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

东莞市欧冠检测技术服务有限公司

电话 Tel: (86-769) 38937858

传真 Fax: (86-769) 38937859

网址 Http:// www.cpstlab.com

Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China

中国·广东·东莞·厚街镇厚街大道东12号1092室

邮编 Postcode: 523945

邮箱 E-mail: service@cpstlab.com

Mode: 1000FG, 1000FG-X, 1002F, 1000F, 1000T, 1000TS, HL-1, HL-2, HL-8, T7, 1000A7, T6,
型号: 1000A8, 1000A8L, YG-H80, HL-4S, HL-3S, HL-T1, HL-5S, HL-6S, HL-7S, HL-8S, 1400H,
1006AA, 1000X, 2002B, 2002D, 1900, 1800, 303, 303B, 2000, 2002, D-1, Y1445, T4, HL-9,
HL-9S, HL-10, HL-10S, HL-11, HL-12, HL-13, HL-14, HL-15, HL-16, HL-17, HL-18, HL-19,
HL-20, HL-21, HL-22, YG1502, Y1343, white light, orange light, bright red light,
orange red light, colored luminous powder
1000FG、1000FG-X、1002F、1000F、1000T、1000TS、HL-1、HL-2、HL-8、T7、1000A7、
T6、1000A8、1000A8L、YG-H80、HL-4S、HL-3S、HL-T1、HL-5S、HL-6S、HL-7S、HL-8S、
1400H、1006AA、1000X、2002B、2002D、1900、1800、303、303B、2000、2002、D-1、
Y1445、T4、HL-9、HL-9S、HL-10、HL-10S、HL-11、HL-12、HL-13、HL-14、HL-15、HL-16、
HL-17、HL-18、HL-19、HL-20、HL-21、HL-22、YG1502、Y1343、白光、橙光、大红光、橙
红光、彩色夜光粉

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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起15日内提出,逾期不予受理。



400 111 6218

Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

东莞市欧冠检测技术有限公司

电话 Tel: (86-769) 38937858 传真 Fax: (86-769) 38937859

网址 Http:// www.cpstlab.com

Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China

中国·广东·东莞·厚街镇厚街大道东12号1092室

邮编 Postcode: 523945

邮箱 E-mail: service@cpstlab.com

CONCLUSION :

结论:

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
测试样品	测试项目	结果
Luminous powder 夜光粉	1.RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863	PASS 合格
	1.RoHS 指令2011/65/EU附录 II 的修正指令(EU)2015/863 — Lead, Mercury, Cadmium, Hexavalent Chromium, PBBs and PBDEs Content — 铅、汞、镉、六价铬、多溴联苯和多溴二苯醚含量	
	— Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content — 邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸苄基丁基酯(BBP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸二异丁酯(DIBP)含量	PASS 合格

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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起 15 日内提出,逾期不予受理。



400 111 6218

Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

东莞市欧冠检测技术有限公司

电话 Tel: (86-769) 38937858 传真 Fax: (86-769) 38937859

网址 Http:// www.cpstlab.com

Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China

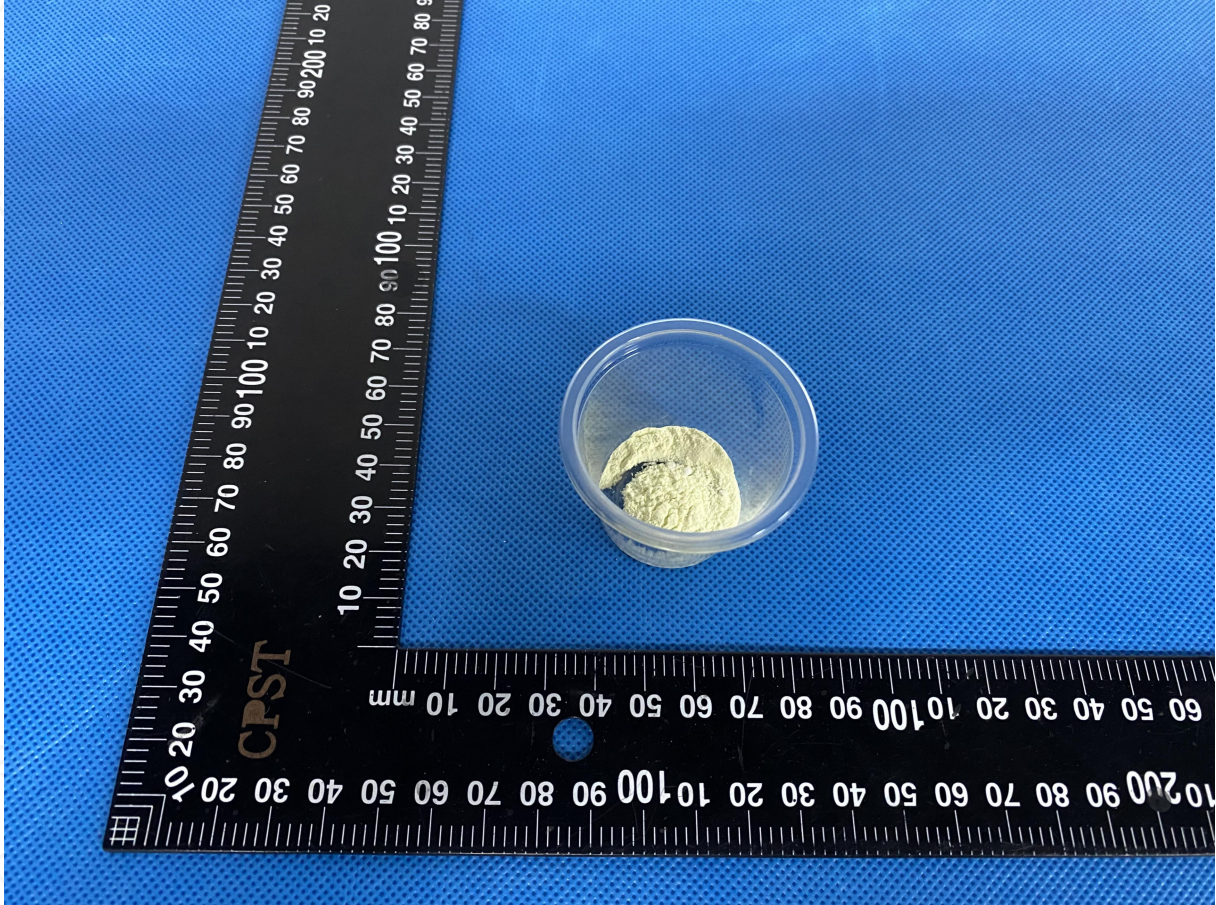
中国·广东·东莞·厚街镇厚街大道东12号1092室

邮编 Postcode: 523945

邮箱 E-mail: service@cpstlab.com

Photo of the Submitted Sample

送检样品照片



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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起15日内提出,逾期不予受理。



400 111 6218

Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

东莞市欧冠检测技术服务有限公司

电话 Tel: (86-769) 38937858 传真 Fax: (86-769) 38937859

网址 Http:// www.cpstlab.com

Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China

中国·广东·东莞·厚街镇厚街大道东12号1092室

邮编 Postcode: 523945

邮箱 E-mail: service@cpstlab.com

Test Result(s):

测试结果:

Description of Specimen : Beige powder
样品描述 : 米白色粉末

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

Lead, Mercury, Cadmium, Hexavalent Chromium, PBBs and PBDEs content

1. RoHS 指令 2011/65/EU 附录 II 的修正指令 (EU) 2015/863—铅、汞、镉、六价铬、多溴联苯和多溴二苯醚含量

Test Items 测试项目	Unit 单位	Test Method 测试方法	Result 结果	MDL 检出限	Limit 限值
Lead (Pb)/铅	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	2	1000
Mercury (Hg)/汞	mg/kg	IEC 62321-4:2013+A1:2017, ICP-OES	N.D.	2	1000
Cadmium (Cd)/镉	mg/kg	IEC 62321-5:2013, ICP-OES	N.D.	2	100
Hexavalent Chromium (CrVI)/六价铬	mg/kg	IEC 62321-7-2:2017, UV-VIS	N.D.	2	1000
Monobromobiphenyl/一溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Dibromobiphenyl/二溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tribromobiphenyl/三溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tetrabromobiphenyl/四溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Pentabromobiphenyl/五溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Hexabromobiphenyl/六溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Heptabromobiphenyl/七溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Octabromobiphenyl/八溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Nonabromobiphenyl/九溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Decabromobiphenyl/十溴联苯	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Sum of PBBs/多溴联苯总和	mg/kg	-	N.D.	-	1000
Monobromodiphenyl ether/一溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Dibromodiphenyl ether/二溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tribromodiphenyl ether/三溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Tetrabromodiphenyl ether/四溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Pentabromodiphenyl ether/五溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Hexabromodiphenyl ether/六溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Heptabromodiphenyl ether/七溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Octabromodiphenyl ether/八溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Nonabromodiphenyl ether/九溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Decabromodiphenyl ether/十溴二苯醚	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	-
Sum of PBDEs/多溴二苯醚总和	mg/kg	-	N.D.	-	1000

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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起15日内提出,逾期不予受理。



400 111 6218

Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

东莞市欧冠检测技术服务有限公司

电话 Tel: (86-769) 38937858

传真 Fax: (86-769) 38937859

网址 Http:// www.cpstlab.com

Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China

中国·广东·东莞·厚街镇厚街大道东12号1092室

邮编 Postcode: 523945

邮箱 E-mail: service@cpstlab.com

Test Report
检测报告

No. C230411083002-1
编号: C230411083002-1

Date: Apr 15, 2023
日期: 2023年04月15日

Page 6 of 10
第6页,共10页

Note:

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

注释:

1. mg/kg =毫克每千克= ppm
2. N.D. = 未检出 (< MDL)
3. MDL = 方法检测限
4. "-" = 未规定

RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863 —Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP)

Content

RoHS 指令2011/65/EU附录II的修正指令(EU)2015/863—邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸苯基丁基酯(BBP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸二异丁酯(DIBP)含量

Test method: IEC 62321-8:2017, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

测试方法: IEC 62321-8:2017, 使用气相色谱质谱联用仪(GC-MS)进行分析。

Test Items 测试项目	Unit 单位	Result 结果	MDL 检出限	Limit 限值
Di-(2-ethylhexyl) phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	N.D.	50	1000
Benzylbutyl phthalate (BBP) 邻苯二甲酸苯基丁基酯(BBP)	mg/kg	N.D.	50	1000
Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯(DBP)	mg/kg	N.D.	50	1000
Diisobutyl phthalate(DIBP) 邻苯二甲酸二异丁酯(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

注释:

1. mg/kg =毫克每千克= ppm
2. N.D. = 未检出 (< MDL)
3. MDL = 方法检测限

Remark: 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. The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

备注: 根据申请人的要求, 对提交样品所选的材料进行检测。测试结果仅对提交的样品负责。本检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供参考。

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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准, 不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为, 违者将受到法律起诉。如果客户对本报告有异议, 请于报告发出之日起15日内提出, 逾期不予受理。



400 111 6218

Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

东莞市欧冠检测技术服务有限公司

电话 Tel: (86-769) 38937858 传真 Fax: (86-769) 38937859 网址 Http:// www.cpstlab.com

Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China

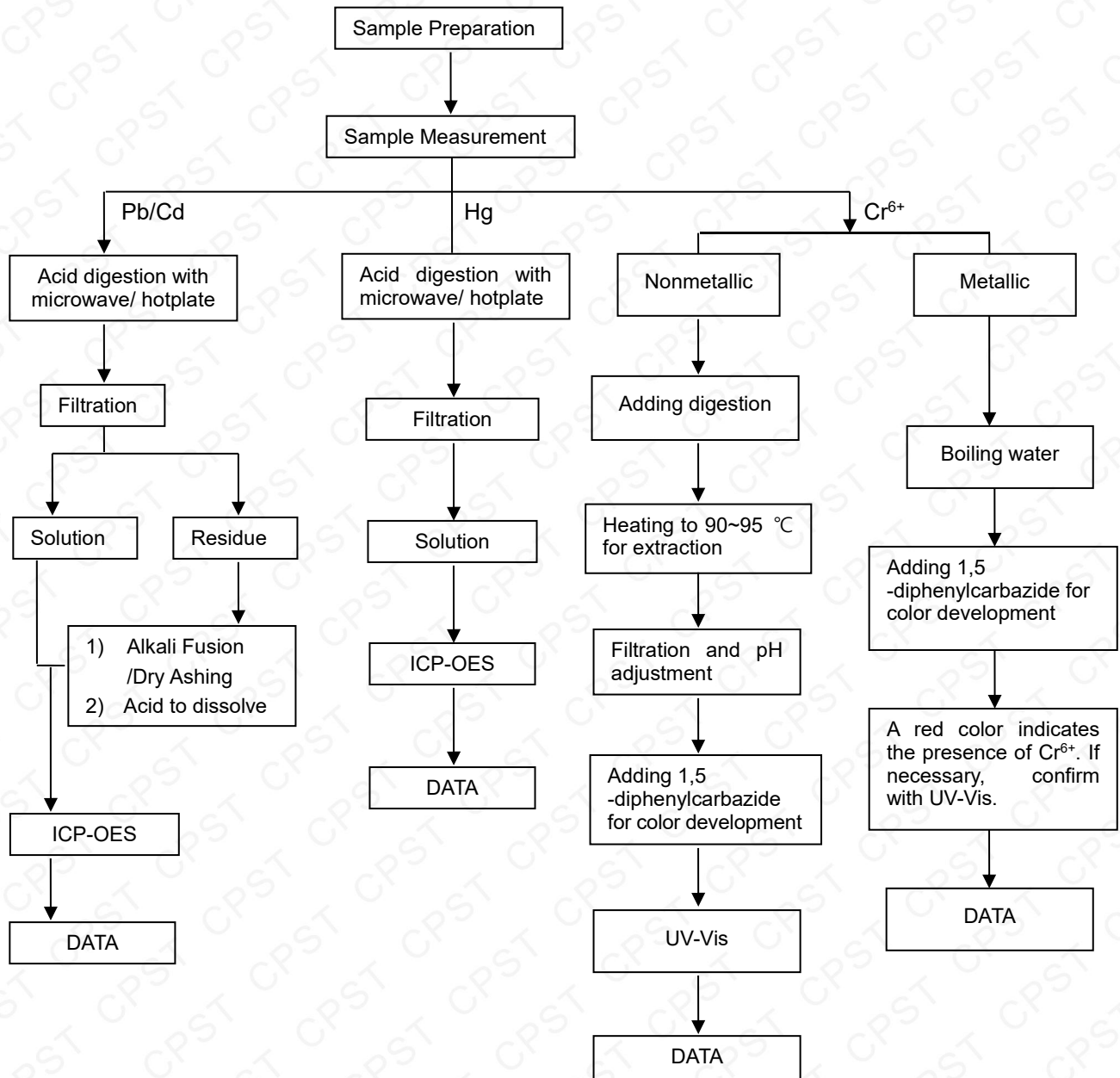
中国·广东·东莞·厚街镇厚街大道东12号1092室

邮编 Postcode: 523945

邮箱 E-mail: service@cpstlab.com

Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)

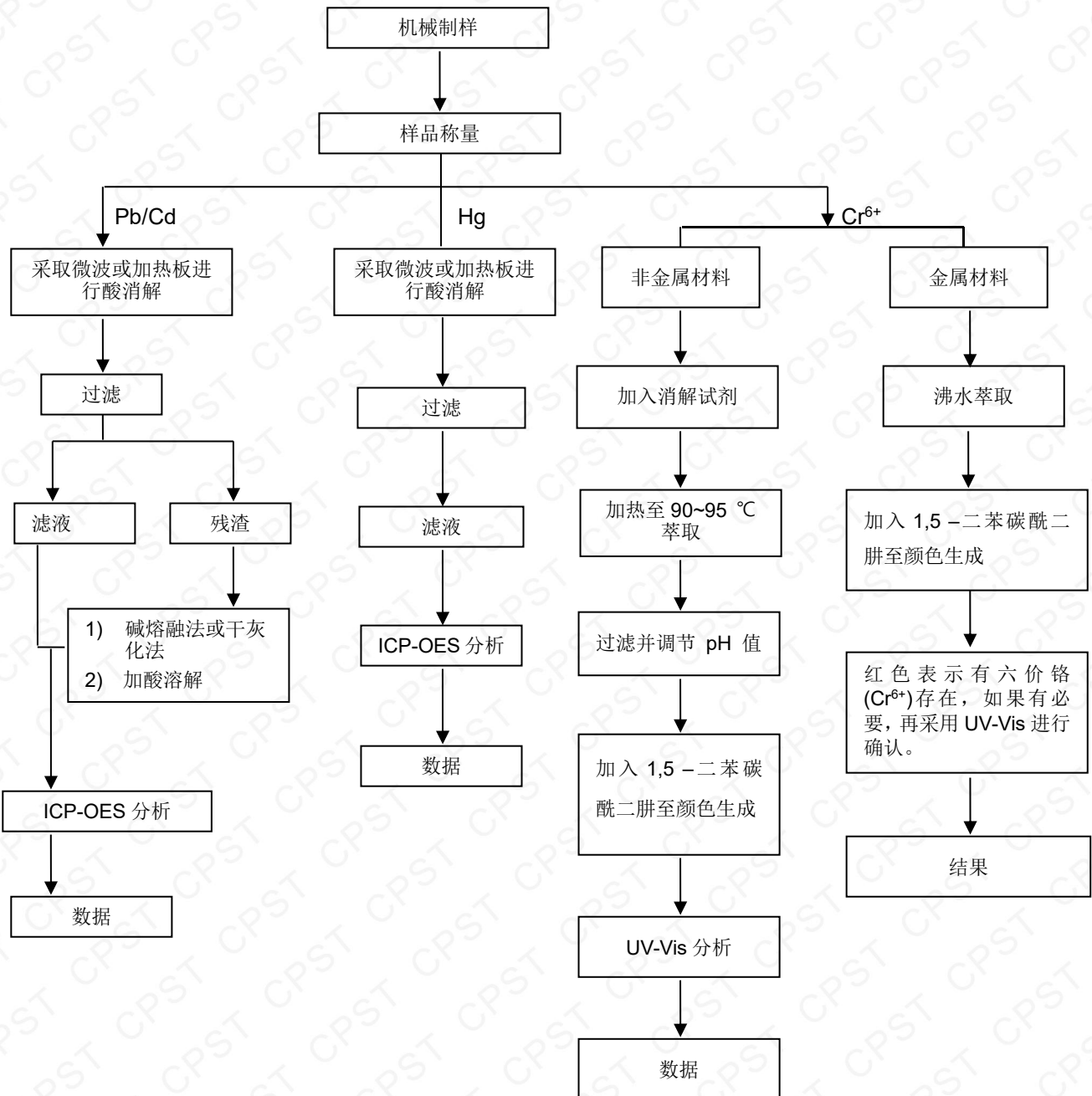


Note: This Test report shall be invalid if it is not stamped with the special seal for testing. Only responsible for the tested samples, invalid if rewritten, added and deleted. This test report cannot be reproduced, except in full, without prior written permission of the Company. Any unauthorized alteration, 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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起15日内提出,逾期不予受理。

Pb/Cd/Hg/Cr⁶⁺ 测试流程图

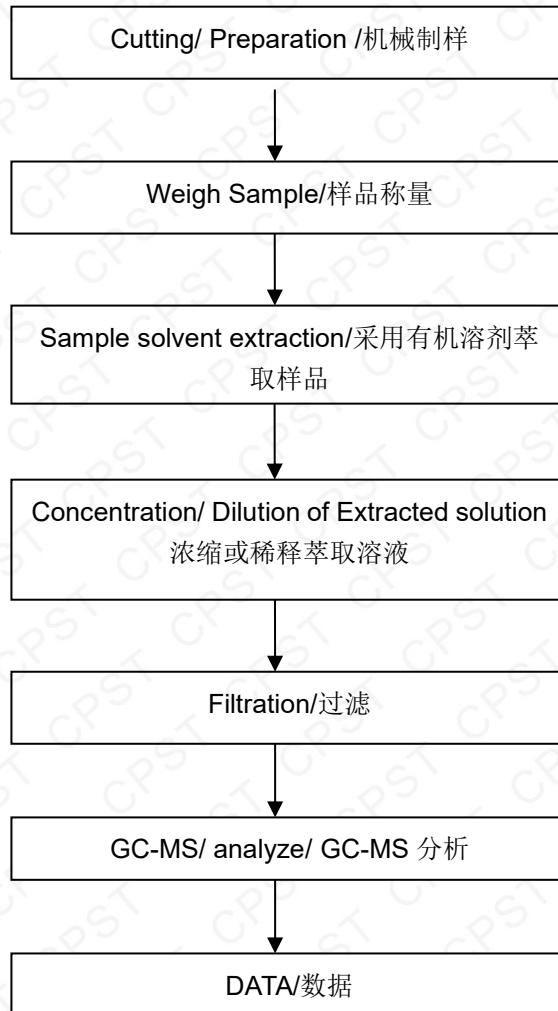
1) 根据以下测试流程图样品在预处理方法中被完全溶解(Cr⁶⁺ 测试方法除外)。



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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起15日内提出,逾期不予受理。

PBBs/PBDEs Testing Flow Chart 多溴联苯/多溴二苯醚 测试流程图



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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起15日内提出,逾期不予受理。



400 111 6218

Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

东莞市欧冠检测技术服务有限公司

电话 Tel: (86-769) 38937858

传真 Fax: (86-769) 38937859

网址 Http:// www.cpstlab.com

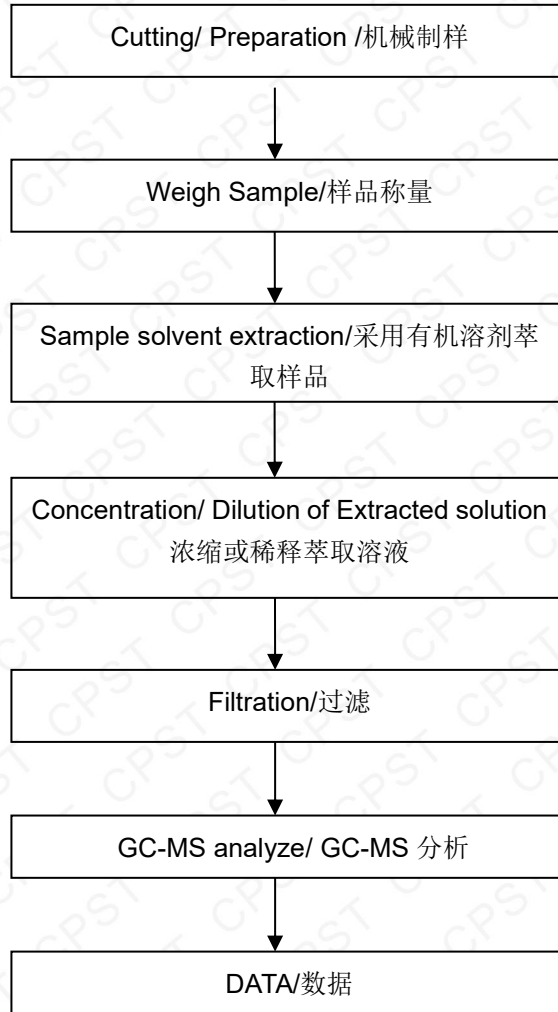
Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China

中国·广东·东莞·厚街镇厚街大道东12号1092室

邮编 Postcode: 523945

邮箱 E-mail: service@cpstlab.com

Phthalates Testing Flow Chart 邻苯二甲酸酯 测试流程图



*** End of Report ***

*** 报告结束 ***

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 after the report's sending out, it will not be accepted after this date.

说明: 报告未盖本机构“检测专用章”无效。报告只对委托之样品负责。报告涂改、自行增删无效。未经本机构批准,不得复制(全文复制除外)本报告。未经授权对本报告的内容或外观进行任何更改、伪造或篡改均属于违法行为,违者将受到法律起诉。如果客户对本报告有异议,请于报告发出之日起15日内提出,逾期不予受理。



400 111 6218

Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

东莞市欧冠检测技术服务有限公司

电话 Tel: (86-769) 38937858 传真 Fax: (86-769) 38937859

网址 Http:// www.cpstlab.com

Room 1092, No.12, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China

中国·广东·东莞·厚街镇厚街大道东12号1092室

邮编 Postcode: 523945

邮箱 E-mail: service@cpstlab.com