

Test Report 测试报告

No. C190528048001
编号: C190528048001

Date: Jun 05, 2019
日期: 2019年06月05日

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第1页,共20页

Applicant:
申请公司:

DUNHOME SCIENCE&TECHNOLOGY (SHENZHEN) CO., LTD.
小盾科技(深圳)有限公司

Applicant Address:
申请公司地址:

No.511 EAST BLOCK OF COAST TIMES APARTMENT NO. 12069
SHENNAN AVENUE, HONG HUAYUAN COMMUNITY, NANTOU
STREET, NANSHAN DISTRICT, SHENZHEN CITY
深圳市南山区南头街道红花园社区深南大道12069号海岸时代公寓东座
511

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
样品名称:

DUNHOME MULTI-FUNCTIONAL STERILIZER
DUNHOME 小盾多功能消毒包

Model:
主测型号:

DH-001
DH-001

Trademark:
商标:

DUNHOME
小盾科技

CPST Internal Reference No.:
CPST 参考编号:

C190528048
C190528048

Date of Sample Received:
收样日期:

May 28, 2019
2019年05月28日

Number of Sample Received:
收样数量:

01 pcs
1 件

Testing Period:
测试周期:

May 28, 2019 to Jun 05, 2019
2019年05月28日至2019年06月05日

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

TESTED BY :

REVIEWED BY:

APPROVED BY:

Andy Wang

Wang Guang Yu, Andy
Project Leader

Sunshine Liu

Liu Xiao Fang, Sunshine
Report Reviewer

Will Pan

Pan Jian Ding, Will
Technical Supervisor

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400 111 6218

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Manufactured: DUNHOME SCIENCE&TECHNOLOGY (SHENZHEN) CO., LTD
制造商: 小盾科技(深圳)有限公司

Manufactured Address: No.511 EAST BLOCK OF COAST TIMES APARTMENT NO. 12069
制造商地址: SHENNAN AVENUE, HONG HUAYUAN COMMUNITY, NANTOU STREET,
NANSHAN DISTRICT, SHENZHEN CITY
深圳市南山区南头街道红花园社区深南大道12069号海岸时代公寓东座511

CONCLUSION :

结论:

TESTED SAMPLES	TEST ITEM	RESULT
测试样品	测试项目	结果
DUNHOME MULTI-FUNCTIONAL STERILIZER DUNHOME 小盾多功能消毒包	1. Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content—Announcement No. 15 of 2018 of the Ministry of Industry and Information Technology of the People's Republic of China 1. 铅、汞、镉、六价铬、多溴联苯和多溴联苯醚含量 —中华人民共和国工业和信息化部公告 2018年第15号	PASS 合格

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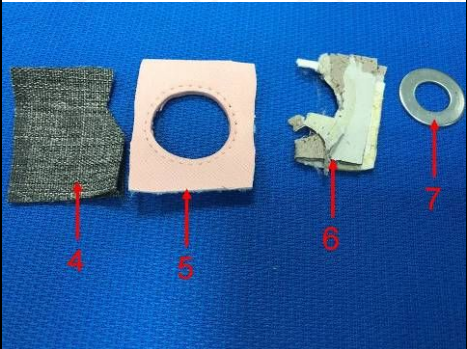
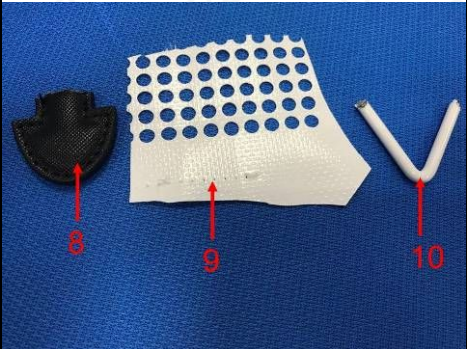
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Test Item Description And Photo List

测试项目描述和样品照片清单

Sample No. 样品编号	Description 描述	Photograph 图示
001	Pink plastic (button) 粉色塑胶 (按键)	
002	Transparent paper 透明纸张	
003	Silver plastic 银色塑胶	
004	Gray cloth 灰色布料	
005	Pink PU 粉色 PU	
006	Gray paper 灰色纸皮	
007	Silver metal (button) 银色金属 (按键)	
008	Black PU 黑色 PU	
009	White plastic 白色塑胶	
010	White metal 白色金属	

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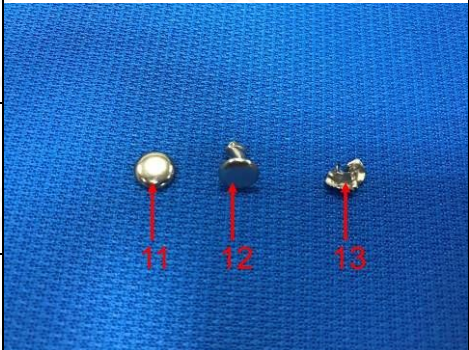
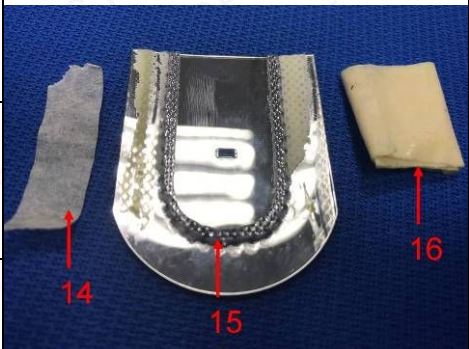
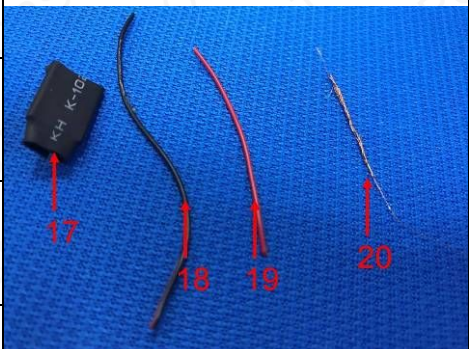
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Sample No. 样品编号	Description 描述	Photograph 图示
011	silvery metal 银色金属	
012	silvery metal 银色金属	
013	Silver metal (piece) 银色金属 (片)	
014	Yellow paper 黄色纸	
015	Silver mirror 银色镜面	
016	Yellow paper (light) 黄色纸张 (灯)	
017	Black plastic (sleeve) 黑色塑胶 (套管)	
018	Black plastic (line leather) 黑色塑胶 (线皮)	
019	Red plastic (line leather) 红色塑胶 (线皮)	
020	Copper wire 铜色金属丝	

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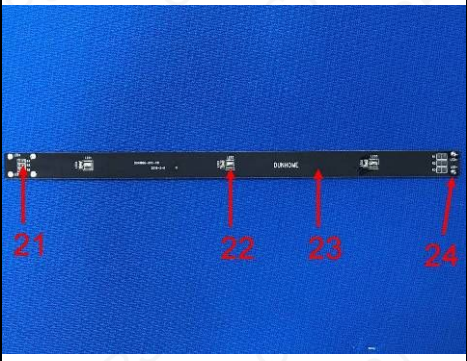
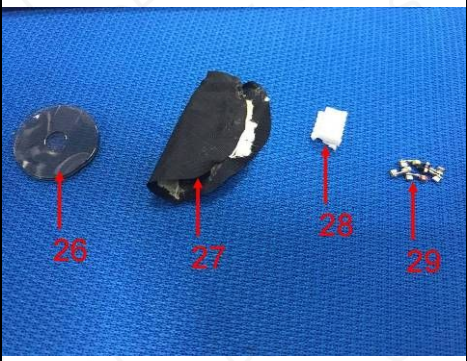
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Sample No. 样品编号	Description 描述	Photograph 图示
021	Black body (chip resistor) 黑色本体 (贴片电阻)	
022	White body (LED) 白色本体 (LED)	
023	Black PCB board 黑色 PCB 板	
024	Silver solder 银色焊锡	
025	silvery metal 银色金属	
026	Transparent plastic 透明塑胶	
027	Black fabric 黑色织物	
028	White plastic 白色塑胶	
029	Silver metal (pin) 银色金属 (接脚)	

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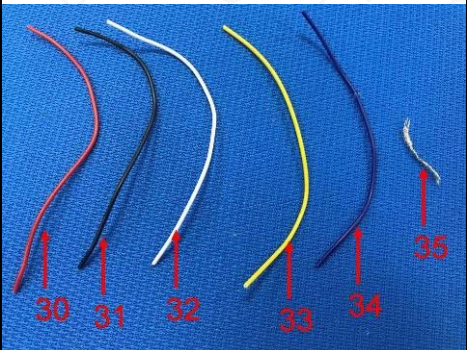
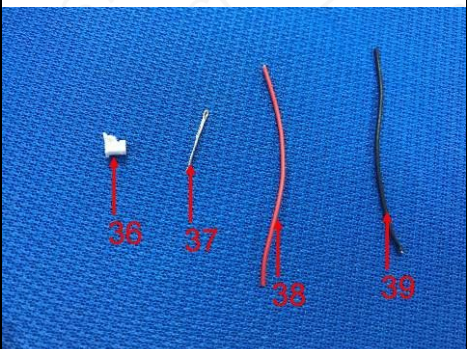
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Sample No. 样品编号	Description 描述	Photograph 图示
030	Red plastic (line leather) 红色塑胶 (线皮)	
031	Black plastic (line leather) 黑色塑胶 (线皮)	
032	White plastic (line leather) 白色塑胶 (线皮)	
033	Yellow plastic (line leather) 黄色塑胶 (线皮)	
034	Blue plastic (line leather) 蓝色塑胶 (线皮)	
035	Silver wire 银色金属丝	
036	White plastic 白色塑胶	
037	Silver wire 银色金属丝	
038	Red plastic (line leather) 红色塑胶 (线皮)	
039	Black plastic (line leather) 黑色塑胶 (线皮)	
040	silvery metal 银色金属	
041	Gold metal 金色金属	
042	Yellow paper 黄色纸张	
043	silvery metal 银色金属	
044	silvery metal 银色金属	
045	Black plastic 黑色塑胶	

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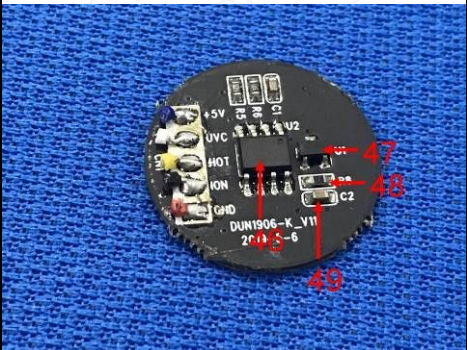
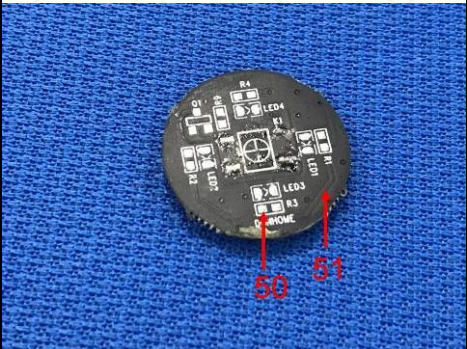
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Sample No. 样品编号	Description 描述	Photograph 图示
046	Black ontology 黑色本体	
047	Black ontology 黑色本体	
048	Black body (chip resistor) 黑色本体 (贴片电阻)	
049	Brown body 棕色本体	
050	Silver solder 银色焊锡	
051	Black PCB board 黑色 PCB 板	
052	Black plastic (wire connector) 黑色塑胶 (线接头)	
053	Black plastic 黑色塑胶	
054	silvery metal 银色金属	
055	Black plastic 黑色塑胶	
056	Silver metal (pin) 银色金属 (接脚)	

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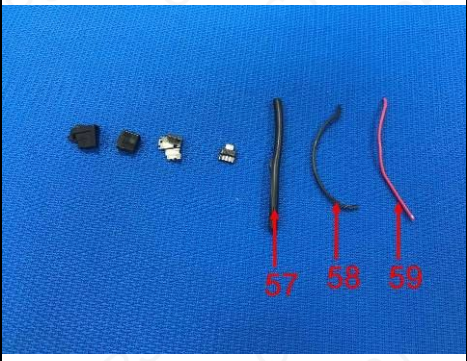
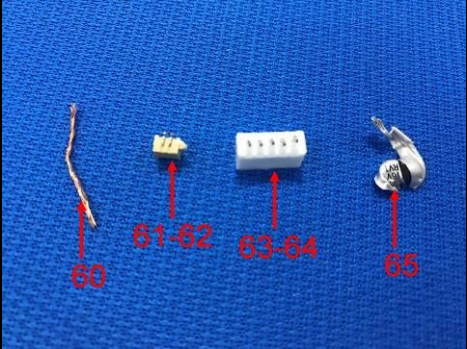
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Sample No. 样品编号	Description 描述	Photograph 图示
057	Black plastic (line leather) 黑色塑胶 (线皮)	
058	Black plastic (line leather) 黑色塑胶 (线皮)	
059	Red plastic (line leather) 红色塑胶 (线皮)	
060	Copper wire 铜色金属丝	
061	Beige plastic 米色塑胶	
062	Silver metal (pin) 银色金属 (接脚)	
063	White plastic 白色塑胶	
064	Silver metal (pin) 银色金属 (接脚)	
065	silvery metal 银色金属	
066	Black plastic 黑色塑胶	
067	Black plastic 黑色塑胶	
068	silvery metal 银色金属	
069	Brown paper 棕色纸张	
070	Gray metal 灰色金属	

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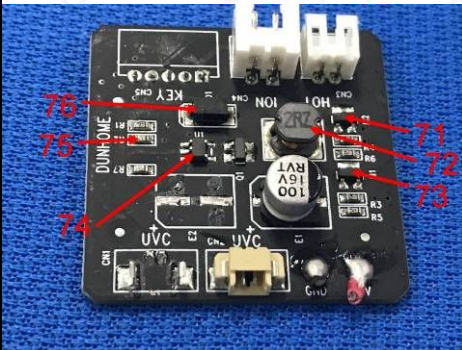
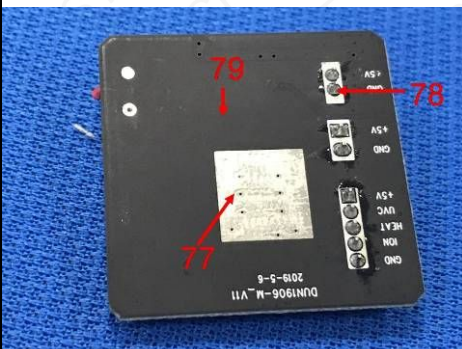
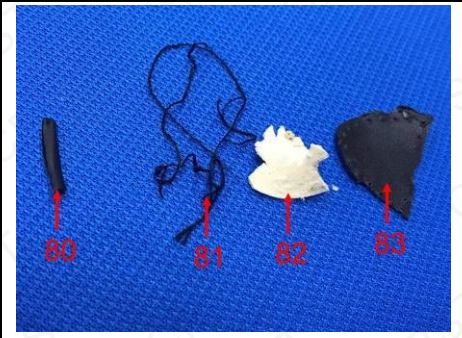
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Sample No. 样品编号	Description 描述	Photograph 图示
071	Black ontology 黑色本体	
072	Black ontology 黑色本体	
073	Black ontology 黑色本体	
074	Black ontology 黑色本体	
075	Black body (chip resistor) 黑色本体 (贴片电阻)	
076	Black body (IC) 黑色本体 (IC)	
077	silvery meta 银色金属 I	
078	Silver solder 银色焊锡	
079	Black PCB board 黑色 PCB 板	
080	Black plastic 黑色塑胶	
081	Black fiber 黑色纤维	
082	Yellow plastic 黄色塑胶	
083	Black plastic 黑色塑胶	

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Test Results

测试结果

Screening test for the specified hazardous substances of GB/T 26572-2011 for the selected materials of the submitted sample:

指定的GB/T 26572-2011有害物质的筛检试验所选材料的提交样品:

- Heavy Metal (Cadmium, Chromium, Mercury, Lead) Content Test
- 重金属 (镉, 铬, 汞, 铅) 含量测试
- Bromine Content Test
- 溴含量测试

According to GB/T 26125-2011 Annex D, and Quantification analyzed with Energy Dispersive X-ray Fluorescence Spectrometers..

根据 GB/T 26125-2011 附录 D, 采用能量散射 X 射线荧光光谱仪 (ED-XRF) 进行分析。

Sample No. 样品编号	Total Cadmium 总镉	Total Lead 总铅	Total Mercury 总汞	Total Chromium 总铬	Total Bromine 总溴
Sample 001 样品 001	BL	BL	BL	BL	BL
Sample 002 样品 002	BL	BL	BL	BL	BL
Sample 003 样品 003	BL	BL	BL	BL	BL
Sample 004 样品 004	BL	BL	BL	BL	BL
Sample 005 样品 005	BL	BL	BL	BL	BL
Sample 006 样品 006	BL	BL	BL	BL	BL
Sample 007 样品 007	BL	BL	BL	BL	N.A.
Sample 008 样品 008	BL	BL	BL	BL	BL
Sample 009 样品 009	BL	BL	BL	BL	BL
Sample 010 样品 010	BL	BL	BL	BL	N.A.
Sample 011 样品 011	BL	BL	BL	BL	N.A.
Sample 012 样品 012	BL	BL	BL	BL	N.A.

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Sample No. 样品编号	Total Cadmium 总镉	Total Lead 总铅	Total Mercury 总汞	Total Chromium 总铬	Total Bromine 总溴
Sample 013 样品 013	BL	BL	BL	BL	N.A.
Sample 014 样品 014	BL	BL	BL	BL	BL
Sample 015 样品 015	BL	BL	BL	BL	BL
Sample 016 样品 016	BL	BL	BL	BL	BL
Sample 017 样品 017	BL	BL	BL	BL	BL
Sample 018 样品 018	BL	BL	BL	BL	BL
Sample 019 样品 019	BL	BL	BL	BL	BL
Sample 020 样品 020	BL	BL	BL	BL	N.A.
Sample 021 样品 021	BL	BL	BL	BL	BL
Sample 022 样品 022	BL	BL	BL	BL	BL
Sample 023 样品 023	BL	BL	BL	BL	Inconclusive^ 不确定^
Sample 024 样品 024	BL	BL	BL	BL	N.A.
Sample 025 样品 025	BL	BL	BL	BL	N.A.
Sample 026 样品 026	BL	BL	BL	BL	BL
Sample 027 样品 027	BL	BL	BL	BL	BL
Sample 028 样品 028	BL	BL	BL	BL	BL
Sample 029 样品 029	BL	BL	BL	BL	N.A.
Sample 030 样品 030	BL	BL	BL	BL	BL
Sample 031 样品 031	BL	BL	BL	BL	BL

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Sample No. 样品编号	Total Cadmium 总镉	Total Lead 总铅	Total Mercury 总汞	Total Chromium 总铬	Total Bromine 总溴
Sample 032 样品 032	BL	BL	BL	BL	BL
Sample 033 样品 033	BL	BL	BL	BL	BL
Sample 034 样品 034	BL	BL	BL	BL	BL
Sample 035 样品 035	BL	BL	BL	BL	N.A.
Sample 036 样品 036	BL	BL	BL	BL	BL
Sample 037 样品 037	BL	BL	BL	BL	N.A.
Sample 038 样品 038	BL	BL	BL	BL	BL
Sample 039 样品 039	BL	BL	BL	BL	BL
Sample 040 样品 040	BL	BL	BL	BL	N.A.
Sample 041 样品 041	BL	BL	BL	BL	N.A.
Sample 042 样品 042	BL	BL	BL	BL	BL
Sample 043 样品 043	BL	BL	BL	BL	N.A.
Sample 044 样品 044	BL	BL	BL	BL	N.A.
Sample 045 样品 045	BL	BL	BL	BL	BL
Sample 046 样品 046	BL	BL	BL	BL	BL
Sample 047 样品 047	BL	BL	BL	BL	BL
Sample 048 样品 048	BL	BL	BL	BL	BL
Sample 049 样品 049	BL	BL	BL	BL	BL
Sample 050 样品 050	BL	OL^	BL	BL	N.A.

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Sample No. 样品编号	Total Cadmium 总镉	Total Lead 总铅	Total Mercury 总汞	Total Chromium 总铬	Total Bromine 总溴
Sample 051 样品 051	BL	BL	BL	BL	Inconclusive^ 不确定^
Sample 052 样品 052	BL	BL	BL	BL	BL
Sample 053 样品 053	BL	BL	BL	BL	BL
Sample 054 样品 054	BL	BL	BL	BL	N.A.
Sample 055 样品 055	BL	BL	BL	BL	BL
Sample 056 样品 056	BL	BL	BL	BL	N.A.
Sample 057 样品 057	BL	BL	BL	BL	BL
Sample 058 样品 058	BL	BL	BL	BL	BL
Sample 059 样品 059	BL	BL	BL	BL	BL
Sample 060 样品 060	BL	BL	BL	BL	N.A.
Sample 061 样品 061	BL	BL	BL	BL	BL
Sample 062 样品 062	BL	BL	BL	BL	N.A.
Sample 063 样品 063	BL	BL	BL	BL	BL
Sample 064 样品 064	BL	BL	BL	BL	N.A.
Sample 065 样品 065	BL	BL	BL	BL	N.A.
Sample 066 样品 066	BL	BL	BL	BL	BL
Sample 067 样品 067	BL	BL	BL	BL	BL
Sample 068 样品 068	BL	BL	BL	BL	N.A.

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Sample No. 样品编号	Total Cadmium 总镉	Total Lead 总铅	Total Mercury 总汞	Total Chromium 总铬	Total Bromine 总溴
Sample 069 样品 069	BL	BL	BL	BL	BL
Sample 070 样品 070	BL	BL	BL	BL	N.A.
Sample 071 样品 071	BL	BL	BL	BL	BL
Sample 072 样品 072	BL	BL	BL	BL	BL
Sample 073 样品 073	BL	BL	BL	BL	BL
Sample 074 样品 074	BL	BL	BL	BL	BL
Sample 075 样品 075	BL	BL	BL	BL	BL
Sample 076 样品 076	BL	BL	BL	BL	BL
Sample 077 样品 077	BL	BL	BL	BL	N.A.
Sample 078 样品 078	BL	OL [^]	BL	BL	N.A.
Sample 079 样品 079	BL	BL	BL	BL	Inconclusive [^] 不确定 [^]
Sample 080 样品 080	BL	BL	BL	BL	BL
Sample 081 样品 081	BL	BL	BL	BL	BL
Sample 082 样品 082	BL	BL	BL	BL	BL
Sample 083 样品 083	BL	BL	BL	BL	BL

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Note/备注:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm
所有浓度表示方式 "mg/kg" (毫克每千克), mg/kg 等于 ppm
2. "OL" denotes "over limit" ("OL" 表示 "超出限值")
3. "BL" denotes "below limit" ("BL" 表示 "低于限值")
4. "N.A." denotes "Not Applicable" ("N.A." 表示 "不适用")
5. "Inconclusive" denotes result is intermediate between "OL" and "BL"
"不确定" 表示 结果在 "OL" 和 "BL" 之间
6. "^"denotes the screening result was inconclusive(X) or over limit (OL), thus further confirmation test was conducted, results are listed in 3.2 and 3.3.
"^^" 表示 检查的结果是不确定的或者超出限值的, 从而进一步确认, 结果清单在 3.2 和 3.3.

XRF 对不同材料的筛选范围:

Materials 材料	Concentration/浓度(mg/kg)				
	Cd/镉	Cr/铬	Pb/铅	Hg/汞	Br/溴
Metal 金属	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	N.A.
Polymers 塑料	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (300-3\sigma) < X$
Composite material 复合材料	$BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (250-3\sigma) < X$

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3.2 Test for Heavy Metals

重金属测试

- Lead, Cadmium, Mercury and Hexavalent Chromium Tests according to 测试参考 GB/T 26125-2011 附录 F & GB/T 26125-2011 附录 E & GB/T 26125-2011 附录 B & GB/T 26125-2011 附录 C
- 铅, 镉, 汞和六价铬测试参考测试参考 GB/T 26125-2011 附录 F & GB/T 26125-2011 附录 E & GB/T 26125-2011 附录 B & GB/T 26125-2011 附录 C.

Element 元素	Total Cadmium 总镉 [mg/kg]	Total Lead 总铅 [mg/kg]	Total Mercury 总汞 [mg/kg]	Hexavalent Chromium 六价铬 [μg/cm ²]	Hexavalent Chromium 六价铬 [mg/kg]
Detection Limit/检出限	5	5	5	0.10	8
Limit / 限值	100	1000	1000	0.10	1000
Sample 050** 样品 050**	/	N.D.	/	/	/
Sample 078** 样品 078**	/	N.D.	/	/	/

Note:

备注:

1. All Concentrations express in "mg/kg"(milligram per kilogram), mg/kg ~ ppm.

1. 所有浓度表示方式"mg/kg" (毫克每千克), mg/kg 等于 ppm

2. "N.D." = "Not Detected".

2. "N.D." = "未检出".

3. Spot-test:

3. 点测试:

Negative = Absence of Cr(VI) coating / surface layer

阴性 = 未检测到六价铬

Positive = Presence of Cr(VI) coating / surface layer. The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.

阳性 = 检测到六价铬, 如果测试结果不能确认, 测试样品将用沸水萃取进行测试。

Boiling-water-extraction:

沸水萃取:

Negative = Absence of Cr(VI) coating / surface layer

阴性 = 未检测到六价铬;

Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

阳性 = 检测到六价铬: 每 50 cm² 表面积的被测试样品的沸水萃取液中六价铬的浓度等于或大于 0.02 mg/kg

4. Positive = result be regarded as not comply with Announcement No. 15 of 2018 of the Ministry of Industry and Information Technology of the People's Republic of China requirement

4. 阳性表示六价铬不符合中华人民共和国工业和信息化部公告 2018 年第 15 号要求

5. Negative = result be regarded as comply with Announcement No. 15 of 2018 of the Ministry of Industry

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and Information Technology of the People's Republic of China requirement

5. 阴性表示六价铬符合中华人民共和国工业和信息化部公告 2018 年第 15 号要求
6. “**”=the sample is the second received sample for retest when 2019.06.04
6. “**”=样品是 2019 年 06 月 04 日第二次送样重测。

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3. 3 Test for Flame retardants 阻燃剂的测试

-Test Method: With reference to GB/T 26125-2011 Annex A, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 5mg/kg]

测试方法:参 GB/T 26125-2011 附录 A, 使用甲苯萃取, 用气相色谱质谱联用仪(GC-MS)测试。[报告限值: 5mg/kg]

Test Item 测试项目		Result/结果[mg/kg]	RoHS Requirement RoHS 要求 [mg/kg]
		No. 023	
PBBS 多溴联苯	Monobromobiphenyl/一溴联苯	< 5	Sum of PBBS 多溴联苯总和 < 1000
	Dibromobiphenyl/二溴联苯	< 5	
	Tribromobiphenyl/三溴联苯	< 5	
	Tetrabromobiphenyl/四溴联苯	< 5	
	Pentabromobiphenyl /五溴联苯	< 5	
	Hexabromobiphenyl/六溴联苯	< 5	
	Heptabromobiphenyl/七溴联苯	< 5	
	Octabromobiphenyl/八溴联苯	< 5	
	Nonabromobiphenyl/九溴联苯	< 5	
	Decabromobiphenyl/十溴联苯	< 5	
	Sum of PBBS/多溴联苯总和	< 5	
PBDEs 多溴联苯醚	Monobromodiphenyl Ether/一溴联苯醚	< 5	Sum of PBDEs 多溴联苯醚总和 < 1000
	Dibromodiphenyl Ether/二溴联苯醚	< 5	
	Tribromodiphenyl Ether/三溴联苯醚	< 5	
	Tetrabromodiphenyl Ether/四溴联苯醚	< 5	
	Pentabromodiphenyl Ether/五溴联苯醚	< 5	
	Hexabromodiphenyl Ether/六溴联苯醚	< 5	
	Heptabromodiphenyl Ether/七溴联苯醚	< 5	
	Octabromodiphenyl Ether/八溴联苯醚	< 5	
	Nonabromodiphenyl Ether/九溴联苯醚	< 5	
	Decabromodiphenyl Ether/十溴联苯醚	< 5	
	Sum of PBDEs/多溴联苯醚总和	< 5	

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Test Item 测试项目		Result/结果[mg/kg]		RoHS Requirement RoHS 要求 [mg/kg]
		No. 051	No. 079	
PBBs 多溴联苯	Monobromobiphenyl/一溴联苯	< 5	< 5	Sum of PBBs 多溴联苯总和 < 1000
	Dibromobiphenyl/二溴联苯	< 5	< 5	
	Tribromobiphenyl/三溴联苯	< 5	< 5	
	Tetrabromobiphenyl/四溴联苯	< 5	< 5	
	Pentabromobiphenyl /五溴联苯	< 5	< 5	
	Hexabromobiphenyl/六溴联苯	< 5	< 5	
	Heptabromobiphenyl/七溴联苯	< 5	< 5	
	Octabromobiphenyl/八溴联苯	< 5	< 5	
	Nonabromobiphenyl/九溴联苯	< 5	< 5	
	Decabromobiphenyl/十溴联苯	< 5	< 5	
	Sum of PBBs/多溴联苯总和	< 5	< 5	
PBDEs 多溴联苯醚	Monobromodiphenyl Ether/一溴联苯醚	< 5	< 5	Sum of PBDEs 多溴联苯醚总和 < 1000
	Dibromodiphenyl Ether/二溴联苯醚	< 5	< 5	
	Tribromodiphenyl Ether/三溴联苯醚	< 5	< 5	
	Tetrabromodiphenyl Ether/四溴联苯醚	< 5	< 5	
	Pentabromodiphenyl Ether/五溴联苯醚	< 5	< 5	
	Hexabromodiphenyl Ether/六溴联苯醚	< 5	< 5	
	Heptabromodiphenyl Ether/七溴联苯醚	< 5	< 5	
	Octabromodiphenyl Ether/八溴联苯醚	< 5	< 5	
	Nonabromodiphenyl Ether/九溴联苯醚	< 5	< 5	
	Decabromodiphenyl Ether/十溴联苯醚	< 5	< 5	
	Sum of PBDEs/多溴联苯醚总和	< 5	< 5	

Note/备注:

- All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm.
所有浓度表示方式 "mg/kg" (毫克每千克), mg/kg 等于 ppm
- "<" denotes less than ("<" 表示 小于)

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Photo of the Submitted Sample

送检样品照片



*** End of Report ***

*** 报告结束 ***

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