Test Report

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Applicant	:	SHENZHEN TUOZHU TECHNOLOGY CO., LTD.
委托单位	:	深圳拓竹科技有限公司
Address	:	ROOM 201, BUILDING A, No. 1 FIRST QIANWAN ROAD, QIANHAI SHENGANG COOPERATION ZONE, SHENZHEN
地　址	:	深圳市前海深港合作区前湾一路 1 号 A 栋 201 室
Sample Name	:	Bambu PAHT-CF(with Bambu Reusable Spool)
样品名称	:	3D 打印线材
Model/型号	:	See Sample List/见样品清单
Received Date	:	Oct. 18, 2022
接收日期	:	2022 年 10 月 18 日
Test Period	:	Oct. 18, 2022~ Oct. 26, 2022
检测日期	:	2022 年 10 月 18 日~2022 年 10 月 26 日
Test Requested 检测要求	:	As requested by client, to evaluate the compliance of the submitted sample with EU RoHS Directive 2011/65/EU Annex II and its amendment (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment. 根据客户要求，对送测样品进行欧洲议会及理事会于 2011 年 6 月 8 日决定的关于在电子电器产品中限制使用某些有害物质的指令 2011/65/EU 中附件 II 的修订指令(EU) 2015/863 要求的符合性评估。
Test Method 检测方法		1. Review was performed for the sample and the related Bill of Materials submitted by the Applicant. 对客户所提交的样品及其相关材料清单进行检查、评估。 2. a) To refer to the standard IEC 62321-2:2013, review was performed for the samples disjointed from the submitted articles. 参照标准 IEC 62321-2:2013，对客户所提交的样品进行拆分。 b) To refer to the standard IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report. 参照标准 IEC 62321-1:2013，对客户所提交的指定图片样品进行测试。 c) To refer to the standard IEC 62321-3-1:2013: Screening by XRF Spectroscopy. 参照标准 IEC 62321-3-1:2013： X 射线荧光扫描筛选测试。 d) Wet chemical test 湿化学测试

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1) to refer to IEC 62321-5:2013, determine the Cadmium, Lead content by ICP-OES.
参照 IEC 62321-5:2013，用 ICP-OES 测定铅(Pb)、镉(Cd)的含量。
2) to refer to IEC 62321-4:2013+A1:2017, determine the Mercury content by ICP-OES.
参照 IEC 62321-4:2013+AMD1:2017，用 ICP-OES 测定汞(Hg)的含量。
3) to refer to IEC 62321-7-1:2015 & IEC 62321-7-2:2017, determine the Hexavalent Chromium(Cr(VI)) content by UV-Vis.
参照 IEC 62321-7-1:2015 & IEC 62321-7-2:2017，用 UV-Vis 测定六价铬(Cr(VI))的含量。
4) to refer to IEC 62321-6:2015, determine the Polybrominated Biphenyls(PBBs) and Polybrominated Diphenyl Ethers(PBDEs) by GC-MS.
参照 IEC 62321-6:2015，用 GC-MS 测定多溴联苯(PBBs)和多溴二苯醚(PBDEs)的含量。
5) to refer to IEC 62321-8:2017, determine the Bis(2-ethylhexyl) phthalate(DEHP), Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP) and Diisobutyl phthalate (DIBP) by GC-MS.
参照 IEC 62321-8:2017，用 GC-MS 测定邻苯二甲酸二(2-乙基己)酯(DEHP)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)和邻苯二甲酸二异丁酯(DIBP)含量。

Test Results : Please refer to next page (s).
测试结果 请参见下一页

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Conclusion:

执行测试总结：

Basing on the test results obtained from the homogeneous materials, the submitted sample **COMPLIES** with EU RoHS Directive 2011/65/EU Annex II and its amendment (EU) 2015/863.

所提交样品中均质材料的测试结果**符合** RoHS 指令 2011/65/EU 中附件 II 的修订指令(EU) 2015/863 的要求。

Signed for and on behalf of
EMTEK(Guangzhou) Co., Ltd.

Prepared by:	Reviewed by:	Approved by:
Tang Lidong, Lainey	Sun Wei, Ethan	Yu Chunhua, Jay Yu
Assistant engineer	Technical supervisor	Authorized signatory
		Oct. 26, 2022

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1.1、Sample List/样品清单

Sample No. 样品序号	Sample Name 样品名称	Model 型号	Remark 备注
1	Bambu PAHT-CF(with Bambu Reusable Spool) 3D打印线材	N04-K0-1.75-250-spl	Same material as Sample No.3 与3号样同材
2		N04-K0-1.75-500-spl	Same material as Sample No.3 与3号样同材
3		N04-K0-1.75-1000-spl	Test sample 测试样

Note: Confirmed by the SHENZHEN TUOZHU TECHNOLOGY CO., LTD, the above samples have the same material. See the above list for details.
备注：经深圳拓竹科技有限公司工程师确认，以上样品存在同材质，具体请见上表。

1.2、Test Sample List/检测样品清单

Sample No. 样品序号	Sample Description 样品描述
1	Wire reel-grey hard plastic 线材卷筒-灰色硬塑料
2	Bambu PAHT-CF(with Bambu Reusable Spool)-black solid 3D打印线材-黑色固体

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2. Pb,Cd,Hg,Cr(VI),PBBs,PBDEs Test Results/测试结果

No. 序号	Restricted substances 受限物质	Results of EDXRF(1) EDXRF 结果(1)	Results of Chemical Testing(2) (mg/kg) 湿化学测试结果(2) (毫克/千克)	Remark(2) 备注(2)
1	Cd	BL	---	No comment 无
	Pb	BL		
	Hg	BL		
	Cr	BL		
	Br	BL		
2	Cd	BL	---	No comment 无
	Pb	BL		
	Hg	BL		
	Cr	BL		
	Br	BL		

3. Phthalates (DBP, BBP, DEHP, DIBP) Test Results/邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)测试结果

No. 序号	Restricted substances 受限物质	CAS No. CAS 号	Results of Wet chem. Test (%) 湿化学测试结果 (%)	MDL 方法检测限 (%)	Limit 限值 (%)
1	DBP	84-74-2	ND	0.003	0.1
	BBP	85-68-7	ND	0.003	0.1
	DEHP	117-81-7	ND	0.003	0.1
	DIBP	84-69-5	ND	0.003	0.1
2	DBP	84-74-2	ND	0.003	0.1
	BBP	85-68-7	ND	0.003	0.1
	DEHP	117-81-7	ND	0.003	0.1
	DIBP	84-69-5	ND	0.003	0.1

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Note 备注：

(1) ① Results are obtained by XRF for primary screening, and further wet chemical testing by ICP-OES / AAS (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if an inconclusive result was found (as "X" in below table)(unit: mg/kg).
XRF 结果是初步筛选,如果有不确定结果(如下表中"X")需要进一步通过 ICP-OES/AAS(针对镉,铅,汞), UV-Vis (针对六价铬)以及 GC/MS(针对多溴联苯, 多溴二苯醚)做湿化学分析 (单位: 毫克/千克)。

② OL = Over Limit, BL = Below Limit, X = Inconclusive, NA= Not Applicable.
OL = 超出限值, BL = 低于限值, X = 不确定, NA= 不适用。

③ The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
针对元素的扫描结果-不均一材料的测试值与真实值可能存在差异。

Element 分析元素	Polymer 聚合物材料	Metal 金属材料	Composite Materials 电子元件
镉 Cd	BL ≤(70-3σ)< X <(130+3σ)≤ OL	BL ≤(70-3σ)< X <(130+3σ)≤ OL	LOD < X <(150+3σ)≤ OL
铅 Pb	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(500-3σ)< X <(1500+3σ)≤ OL
汞 Hg	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(500-3σ)< X <(1500+3σ)≤ OL
溴 Br	BL ≤ (300-3σ)< X	NA	BL ≤ (250-3σ)< X
铬 Cr	BL ≤ (700-3σ)< X	BL ≤ (700-3σ)< X	BL ≤ (500-3σ)< X

(2) ① mg/kg = ppm = 0.0001%, ND = Not Detected (Less than method detection limit.).
毫克/千克 = 0.0001%, ND = 未检测到 (小于方法检测限)。

② Unit and Method Detection Limit (MDL) in wet chemical test.
湿化学测试中的单位和方法检测限。

Test items 测试项目	铅 Pb	镉 Cd	汞 Hg	Cr(VI)(Non-metal) Cr(VI)(非金属)	PBBs(single) 多溴联苯（单个）	PBDEs(single) 多溴二苯醚（单个）
Unit 单位	mg/kg 毫克/千克	mg/kg 毫克/千克	mg/kg 毫克/千克	mg/kg 毫克/千克	mg/kg 毫克/千克	mg/kg 毫克/千克
MDL 方法检测限	2	2	2	8	5	5

③ According to IEC 62321-7-1:2015, result on Cr(VI) for metal sample is shown as Positive/Negative.
依据 IEC 62321-7-1:2015，金属样品中 Cr(VI)的结果用阳性/阴性来表示。
a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13μg/cm². The sample plating is considered to contain Cr(VI).
a. 当六价铬(Cr(VI))结果为阳性(浓度大于 0.13μg/cm²)，表示样品镀层含有六价铬(Cr(VI))。
b. The sample is negative for Cr(VI) if the Cr(VI) concentration is less than 0.10μg/cm². The sample is considered a non-Cr(VI) based plating.
b. 当六价铬(Cr(VI))结果为阴性(浓度小于 0.10μg/cm²)，表示样品镀层不含有六价铬(Cr(VI))。
c. The result between 0.10 μg/cm² and 0.13μg/cm² is considered to be inconclusive-unavoidable plating variations may influence the determination.
c. 当六价铬(Cr(VI))结果介于 0.10 及 0.13μg/cm² 时，无法确定镀层是否含有六价铬(Cr(VI))。

Storage condition and production date of the tested sample are unavailable and thus results of Cr(VI) represent status of the sample at the time of testing.
由于未知测试样品的储存条件及生产日期，测试结果仅代替样品在测试期间的状态。

④ According to IEC 62321-3-1:2013, this column represents the results of wet chemical test. And "---" means no need to perform wet chemical test, when the XRF screening results are qualified.
根据 IEC 62321-3-1:2013 的标准要求，这列内容代表化学测试结果，而 "---" 代表前面 XRF 扫描测试合格后不需要再做化学测试。

(3) This column represents the exempted decoration of material or other related testing sample's information. And "No comment" means no note.
这列内容代表有关材料的豁免声明或者其它必要的批注, 而 "无" 代表没有批注。

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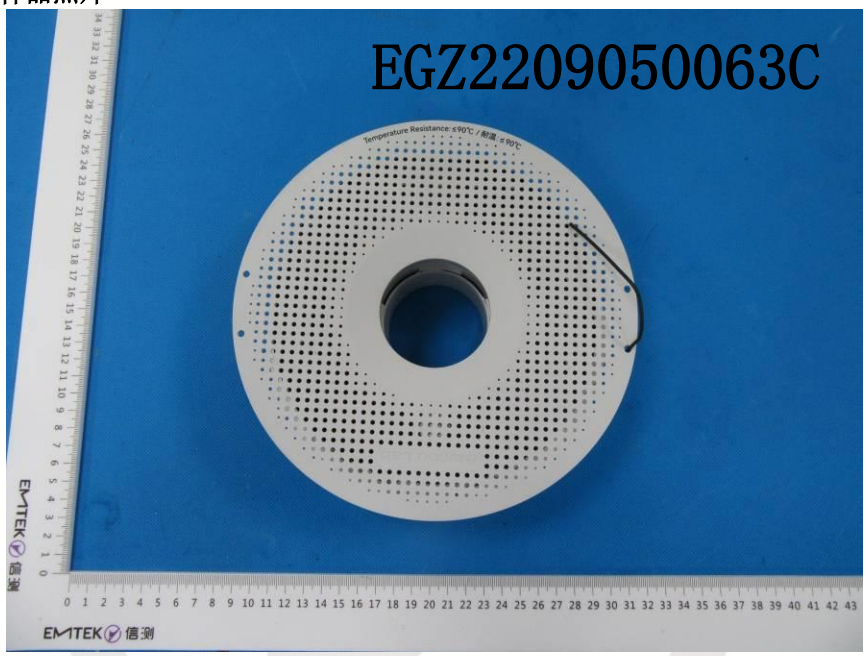
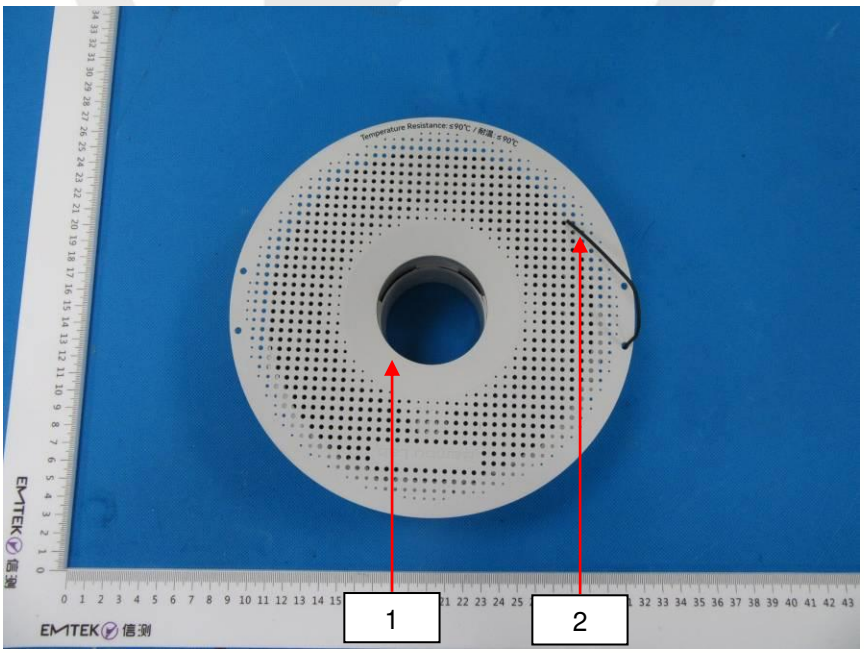
4. Sample Photos/样品照片





*** End of Report ***
报告结束

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ANNEX

RESTRICTED SUBSTANCES LIST

Restricted substances and maximum concentration values tolerated by weight in homogeneous materials

Lead (0.1%)	Mercury (0.1%)
Cadmium (0.01%)	Hexavalent chromium (0.1%)
Polybrominated biphenyls (PBB) (0.1%)	Polybrominated diphenyl ethers (PBDE) (0.1%)
Bis(2-ethylhexyl) phthalate (DEHP) (0.1%)	Butyl benzyl phthalate (BBP) (0.1%)
Dibutyl phthalate (DBP) (0.1%)	Diisobutyl phthalate (DIBP) (0.1%)

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1	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):
1(a)	For general lighting purposes < 30W: 5mg (expires on 31 December 2011; 3.5mg may be used per burner after 31 December 2011 until 31 December 2012; 2.5mg shall be used per burner after 31 December 2012)
1(b)	For general lighting purposes ≥ 30W and <50W: 5mg (expires on 31 December 2011; 3.5mg may be used per burner after 31 December 2011)
1(c)	For general lighting purposes ≥ 50W and <150W: 5mg
1(d)	For general lighting purposes ≥ 150W: 15mg
1(e)	For general lighting purposes with circular or square structural shape and tube diameter ≤17mm (no limitation of use until 31 December 2011; 7mg may be used per burner after 31 December 2011)
1(f)	For special purposes: 5mg
1(g)	For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg (Expires on 31 December 2017)
2(a)	Mercury in double-capped linear fluorescent lamps for general lighting purples not exceeding (per lamp):
2(a)(1)	Tri-band phosphor with normal lifetime and a tube diameter < 9mm (e.g. T2): 5mg (expires on 31 December 2011; 4mg may be used per lamp after 31 December 2011)
2(a)(2)	Tri-band phosphor with normal lifetime and a tube diameter ≥ 9mm and ≤ 17mm (e.g. T5): 5mg (expires on 31 December 2011; 3mg may be used per lamp after 31 December 2011)
2(a)(3)	Tri-band phosphor with normal lifetime and a tube diameter > 17mm and ≤ 28mm (e.g. T8): 5mg (expires on 31 December 2011; 3.5mg may be used per lamp after 31 December 2011)
2(a)(4)	Tri-band phosphor with normal lifetime and a tube diameter > 28mm (e.g. T12): 5mg (expires on 31 December 2012; 3.5mg may be used per lamp after 31 December 2012)
2(a)(5)	Tri-band phosphor with long lifetime (≥ 25000h): 8mg (expires on 31 December 2011; 5mg may be used per lamp after 31 December 2011)
2(b)	Mercury in other fluorescent lamps not exceeding (per lamp):
2(b)(2)	Non-linear halophosphate lamps (all diameters): 15mg (expires on 13 April 2016)
2(b)(3)	Non-linear tri-band phosphor lamps with tube diameter > 17mm (e.g. T9) (no limitation of use until 31 December 2011; 15mg may be used per lamp after 31 December 2011)
2(b)(4)	Lamps for other general lighting and special purposes (e.g. induction lamps) (no limitation of use until 31 December 2011; 15mg may be used per lamp after 31 December 2011)
3	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
3(a)	Short length (≤ 500mm) (No limitation of use until 31 December 2011; 3.5mg may be used per lamp after 31 December 2011)
3(b)	Medium length (> 500m and ≤ 1500mm) (No limitation of use until 31 December 2011; 5mg may be used per lamp after 31 December 2011)
3(c)	Long length (> 1500mm) (No limitation of use until 31 December 2011; 13mg may be used per lamp after 31 December 2011)
4(a)	Mercury in other low pressure discharge lamps (per lamp) (no limitation of use until 31 December 2011; 15mg may be used per lamp after 31 December 2011)
4(b)	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60:
4(b)-I	P ≤ 155W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)
4(b)-II	155W < P ≤ 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)
4(b)-III	P > 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)
4(c)	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):
4(c)-I	P≤ 155W (no limitation of use until 31 December 2011; 25mg may be used per burner after 31 December 2011)
4(c)-II	155W < P ≤405W (no limitation of use until 31 December 2011; 30mg may be used per burner after 31 December 2011)
4(c)-III	P > 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)

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EXEMPTION LIST

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4(d)	Mercury in High Pressure Mercury (vapour) lamps (HPMV) (expires on 13 April 2015)
4(e)	Mercury in metal halide lamps (MH)
4(f)	Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex
4(g)	Mercury in hand crafted luminous discharge tubes used for signs, decorative or architectural and specialist lighting and lightartwork, where the mercury content shall be limited as follows: (Expires on 31 December 2018) (a) 20 mg per electrode pair + 0,3 mg per tube length in cm, but not more than 80 mg, for outdoor applications and indoor applications exposed to temperatures below 20 °C; (b) 15 mg per electrode pair + 0,24 mg per tube length in cm, but not more than 80 mg, for all other indoor applications.
5(a)	Lead in glass of cathode ray tubes
5(b)	Lead in glass of fluorescent tubes not exceeding 0.2% by weight
6(a)	Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight
6(b)	Lead as an alloying element in aluminium containing up to 0.4% lead by weight
6(c)	Copper alloy containing up to 4% lead by weight.
7(a)	Lead in high melting temperature type solders (i.e. lead based alloys containing 85% by weight or more lead)
7(b)	Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound
7(c)-II	Lead in dielectric ceramic in capacitors for a rated voltage of 125V AC or 250V DC or higher
7(c)-III	Lead in dielectric ceramic in capacitors for a rated voltage of less than 125V AC or 250V DC (expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013).
7(c)-IV	Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors
8(a)	Cadmium and its compounds in one shot pellet type thermal cut-offs (expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before 1 January 2012)
8(b)	Cadmium and its compounds in electrical contacts
9	Hexavalent chromium as an anti-corrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75% by weight in the cooling solution
9(b)	Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications
11(b)	Lead used in other than C-press compliant pin connector systems (expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013)
13(a)	Lead in white glasses used for optical applications
13(b)	Cadmium and lead in filter glasses and glasses used for reflectance standards
14	Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight (expires on 1 January 2011 and after that date may be used in spare parts for EEE placed on the market before 1 January 2011)
15	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages
17	Lead halide as radiant agent in High Intensity Discharge (HID) lamps used for professional reprography applications
18(b)	Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi2O5:Pb)
21	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glass
24	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors
25	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring
29	Lead bound in crystal glass as defined in Annex 1 (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC
30	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more
31	Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting)
32	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes
33	Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers
34	Lead in cermet-based trimmer potentiometer elements
37	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body

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EXEMPTION LIST

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38 Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide

39 Cadmium in colour converting II-VI LEDs (< 10 µg Cd per mm2 of light- emitting area) for use in solid state illumination or display systems (expires on 1 July 2014)

41 Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council (2)) (Expires on 31 December 2018)

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签发测试报告条款
Conditions of Issuance of Test Reports

1. 广州信测标准技术服务有限公司（以下简称[本公司]）为提供符合下述条款的测试和报告，而接受有关样品和货品。本公司基于下述条款提供服务，下述条款为本公司与申请服务的个人，企业或公司（以下简称[客户]）的协议。
All samples and goods are accepted by the EMTEK(Guangzhou) Co., Ltd. (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the “Clients”).

2. 由此测试申请所发出的任何报告（以下简称[报告]），本公司会严格为客户保密。未经本公司的书面同意，报告的整体或部分不得复制，也不得用于广告或授权的其他用途。然而，客户可以将本公司印制的报告或认可的副本，向其客户、供货商或直接相关的其他人出示或提交。除非相关政府部门、法律或法规要求，否则未经客户同意，本公司不得将报告内容向任何第三方讨论或披露。
Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. 除非相关政府部门、法律或法院要求，否则未经公司预先书面同意，本公司毋需，也并无义务到法院对有关报告作证。
The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4 .如果本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5.本公司接受样品进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6.如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.