



No.: ED200817039C002 Date: Sep. 17, 2020 Page 1 of 18

Applicant : Tiinlab Acoustic Technology Limited

Address : Tianliao Building 1403, Zone A Tianliao Industrial Park, Taoyuan Str., Nanshan

Dist., Shenzhen, P.R. China

Sample Name : Mi Portable Bluetooth Speaker

Style/Item No. : XMYX04WM

Received Date : Aug. 17, 2020

Test Period : Aug. 17, 2020 ~ Sep. 17, 2020

Test Requested

- 1. As requested by the client, according to the Entry 23 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009, to determine the Cadmium content in the submitted sample.
- As requested by the client, according to the Entries 51 & 52 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009 & (EU) 2018/2005, to determine the contents of the regulated phthalate in the submitted sample.
- 3. As requested by the client, according to the Entry 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013, to determine the contents of the regulated PAHs in the submitted sample.
- As requested by the client, according to the Entry 20 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EC) No 276/2010, to determine organostannic compounds contents in the submitted sample.

Test Results Please refer to next page (s).





No.: ED200817039C002 Date: Sep. 17, 2020 Page 2 of 18

Executive Summary:

	STANDARD	CONCLUSION
1.	Entry 23 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009 – Cadmium Requirement	PASS
2.	Entries 51 & 52 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment NO.552/2009 & (EU) 2018/2005 – Phthalates Requirement for toys and childcare articles	PASS
3.	Entry 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013 – PAHs Requirement	PASS
4.	Entry 20 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EC) No 276/2010 – Organostannic Compounds contents	PASS

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

Prepared by:

Li Huilan, Kay

Reviewed by:

Approved by:

Zhang Hongjing, Carrie

Supervisor

Li Wei, Lisa Authorized signatory Sep. 17, 2020

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the testes requested by you and the results thereof based upon the information that you provided. You have 30 days from data of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



Industrial Development Zone, Dongguan, Guangdong, China Http://www.emtek.com.cn E-mail: project@emtek.com.cn

Report Engineer



No.: ED200817039C002 Date: Sep. 17, 2020 Page 3 of 18

Test Results:

1. Cadmium content:

Test Method: To refer to BS EN 1122:2001 & US EPA 3052:1996, the analysis was performed by ICP-OES.

Test Item	: Cadmium (Cd)						
Requirement	: 100 mg/kg						
Reporting limit	: 2 mg/kg						
Test Item No.	1/2/3	4/5/6	7/8/9	10/11/12	13/14	15/16/17	18/19/20
Test Result (mg/kg)	ND	ND	ND	ND	ND	ND	ND

Test Item	: Cadmium (Cd)						
Requirement	: 100 mg/kg						
Reporting limit	: 2 mg/kg			1			
Test Item No.	21/22/23	24/25/26	27/28/29	30/31/32	33/34/35	36	38
Test Result (mg/kg)	ND	ND	ND	ND	ND	ND	ND

Test Item	: Cadmium (Cd)				
Requirement	: 100 mg/kg				
Reporting limit	: 2 mg/kg				
Test Item No.	39	40	41	42	
Test Result (mg/kg)	ND	ND	ND	ND	

Note: mg/kg = part per million = ppm ND = Not Detected (less than Reporting limit)





No.: ED200817039C002 Date: Sep. 17, 2020 Page 4 of 18

Test Results:

2. Phthalates Requirement:

Test Method: With reference to the standard EN 14372:2004 (clause 6.3.2), the analysis was performed by Gas Chromatography Mass Spectrometry (GC / MS).

> Entry 51: Phthalate contents in plasticized materials in TOYS and CHILDCARE ARTICLES

Test Item		Test Resu	ult (mg/kg)	Reporting	Requirement	
rest item	1/2/3	4/5/6	7/8/9	10/11/12	Limit (mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	ND	30	
Dibutyl phthalate(DBP)	ND	ND	ND	ND	30	CLIM : 1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	ND	30	SUM : 1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	

Test Item		Test Resu	ult (mg/kg)	Reporting	Requirement	
rest item	13/14	15/16/17	18/19/20	21/22/23	Limit (mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	ND	30	
Dibutyl phthalate(DBP)	ND	ND	192	ND	30	CUM : 1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	ND	30	SUM : 1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	

Test Item		Test Resu	ult (mg/kg)		Reporting	Requirement
rest item	24/25/26	27/28/29	30/31/32	33/34/35	Limit (mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	ND	30	
Dibutyl phthalate(DBP)	ND	ND	ND	ND	30	CLIM : 1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	ND	30	SUM : 1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	





No.: ED200817039C002 Date: Sep. 17, 2020 Page 5 of 18

Test Results:

Toot Itom		Test Resu	ılt (mg/kg)	Reporting	Requirement	
Test Item	36	37	38	39	Limit (mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	ND	30	
Dibutyl phthalate(DBP)	ND	ND	ND	ND	30	CUM : 1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	ND	30	SUM : 1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	

Test Item	Te	est Result (mg/k	Reporting	Requirement	
rest item	40	41	42	Limit (mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	30	
Dibutyl phthalate(DBP)	ND	ND	ND	30	CLIM : 1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	30	SUM : 1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	30	

> Entry 52: Phthalate contents in plasticized materials in TOYS and CHILDCARE ARTICLES which can be placed in the mouth by children

Test Item	Te	est Result (mg/k	(g)	Reporting	Requirement
restitem	1/2/3	4/5/6	38	Limit (mg/kg)	(mg/kg)
Diisononyl phthalate(DINP)	ND	ND	ND	50	
Diisodecyl phthalate(DIDP)	ND	ND	ND	50	SUM : 1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	30	

Note: mg/kg = parts per million = ppm ND = Not Detected (less than Reporting limit)





No.: ED200817039C002 Date: Sep. 17, 2020 Page 6 of 18

Test Results:

3. PAHs Requirement:

Test Method: To refer to the standard AfPS GS 2019:01 PAK, the analysis was performed by Gas Chromatography Mass Spectrometry (GC / MS).

Test Item	CAS Number	Test Result(mg/kg)				
rest item	CAS Number	1/2/3	4/5/6	38	Limit (mg/kg)	
Benzo[a]pyrene(BaP)	50-32-8	ND	ND	ND	0.2	
Benzo[e]pyrene(BeP)	192-97-2	ND	ND	ND	0.2	
Benzo[a]anthracene(BaA)	56-55-3	ND	ND	ND	0.2	
Chrysene(CHR)	218-01-9	ND	ND	ND	0.2	
Benzo[b]fluoranthene(BbFA)	205-99-2	ND	ND	ND	0.2	
Benzo[j]fluoranthene(BjFA)	205-82-3	ND	ND	ND	0.2	
Benzo[[k]fluoranthene(BkFA)	207-08-9	ND	ND	ND	0.2	
Dibenz[a,h]anthracene(DBAhA)	53-70-3	ND	ND	ND	0.2	

Note: mg/kg = parts per million = ppm ND = Not Detected (less than Reporting limit)

Remark: The requirements are quoted from the entries 50 in Annex XVII of the REACH Regulation (EC) NO.1907/2006 and the Amendment (EU) No 1272/2013 about PAHs contents as below:

Materials	Timeline	Requirement (mg/kg)
Extender oils, tyres and treads contain extender oils	Commencing on January 1, 2010	1 mg/kg of BaP, 10 mg/kg of the sum of the listed PAHs
Rubber or plastic components from articles for supply to the general public, come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Commencing on December 27, 2015	1 mg/kg of any of the listed PAHs
Rubber or plastic components from toys, including activity toys and childcare articles, come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Commencing on December 27, 2015	0.5 mg/kg of any of the listed PAHs





No.: ED200817039C002 Date: Sep. 17, 2020 Page 7 of 18

Test Results:

4. Organostannic Compounds contents:

Test Method: Sample extraction referring to US EPA 3550C:2007, the analysis following DIN EN ISO 17353:2005.

Test Item	Test Result(% by weight of tin)				Reporting Limit	Law Limit
	1/2/3	4/5/6	7/8/9	10/11/12	(% by weight of tin)	(% by weight of tin)
TBT	ND	ND	ND	ND	0.01	SUM < 0.1
TPhT	ND	ND	ND	ND	0.01	
TPT	ND	ND	ND	ND	0.01	
ТСуТ	ND	ND	ND	ND	0.01	
ТОТ	ND	ND	ND	ND	0.01	
TMT	ND	ND	ND	ND	0.01	
DBT	ND	ND	ND	ND	0.01	0.1
DOT	ND	ND	ND	ND	0.01	0.1

Test Item	Tes	t Result(% l	oy weight of	tin)	Reporting Limit (% by weight of tin)	Law Limit (% by weight of tin)
	13/14	15/16/17	18/19/20	21/22/23		
TBT	ND	ND	ND	ND	0.01	SUM < 0.1
TPhT	ND	ND	ND	ND	0.01	
TPT	ND	ND	ND	ND	0.01	
ТСуТ	ND	ND	ND	ND	0.01	
ТОТ	ND	ND	ND	ND	0.01	
TMT	ND	ND	ND	ND	0.01	
DBT	ND	ND	ND	ND	0.01	0.1
DOT	ND	ND	ND	ND	0.01	0.1





No.: ED200817039C002 Date: Sep. 17, 2020 Page 8 of 18

Test Results:

Test Item	Test Result(% by weight of tin)				Reporting Limit	Law Limit
	24/25/26	27/28/29	30/31/32	33/34/35	(% by weight of tin)	(% by weight of tin)
TBT	ND	ND	ND	ND	0.01	SUM < 0.1
TPhT	ND	ND	ND	ND	0.01	
TPT	ND	ND	ND	ND	0.01	
TCyT	ND	ND	ND	ND	0.01	
ТОТ	ND	ND	ND	ND	0.01	
TMT	ND	ND	ND	ND	0.01	
DBT	ND	ND	ND	ND	0.01	0.1
DOT	ND	ND	ND	ND	0.01	0.1

Test Item	Te	st Result(% l	by weight of	tin)	Reporting Limit (% by weight of tin)	Law Limit (% by weight of tin)
	36	37	38	39		
TBT	ND	ND	ND	ND	0.01	SUM < 0.1
TPhT	ND	ND	ND	ND	0.01	
TPT	ND	ND	ND	ND	0.01	
TCyT	ND	ND	ND	ND	0.01	
ТОТ	ND	ND	ND	ND	0.01	
TMT	ND	ND	ND	ND	0.01	
DBT	ND	ND	ND	ND	0.01	0.1
DOT	ND	ND	ND	ND	0.01	0.1





No.: ED200817039C002 Date: Sep. 17, 2020 Page 9 of 18

Test Results:

Test Item	Test Re	esult(% by weigh	nt of tin)	Reporting Limit (% by weight of tin)	Law Limit (% by weight of tin)
	40	41	42		
TBT	ND	ND	ND	0.01	
TPhT	ND	ND	ND	0.01	
TPT	ND	ND	ND	0.01	SUM < 0.1
ТСуТ	ND	ND	ND	0.01	30IVI < 0.1
TOT	ND	ND	ND	0.01	
TMT	ND	ND	ND	0.01	
DBT	ND	ND	ND	0.01	0.1
DOT	ND	ND	ND	0.01	0.1

Note: ND = Not Detected (Less than Reporting limit)





No.: ED200817039C002 Date: Sep. 17, 2020 Page 10 of 18

Tested Materials:

No.	Description					
1	Grey hard plastic (shell)					
2	Transparent hard plastic (LED lampshade)					
3	Black hard plastic (big plug of USB)					
4	Grey soft plastic (shell)					
5	Black soft plastic (plug of USB)					
6	Black soft plastic (wire of USB)					
7	Transparent hard plastic (plug of USB wire, inner)					
8	White hard plastic (terminal of electric wire, inner)					
9	Beige hard plastic (terminal of PCB, inner)					
10	Black hard plastic (speaker, inner)					
11	Dark grey hard plastic (socket / button, inner)					
12	Black hard plastic (base of capacitor, inner)					
13	Green PCB (PCB of louder speaker / PCB of battery, inner)					
14	White composite material (speaker, inner)					
15	Black soft plastic (electric wire of speaker, inner)					
16	Rose red soft plastic (electric wire of speaker, inner)					
17	Bright black soft plastic (electric wire of microphone, inner)					
18	Red soft plastic (electric wire of microphone, inner)					
19	Black soft plastic with grey printing (electric wire of battery, inner)					
20	Red soft plastic with black printing (electric wire of battery, inner)					
21	White soft plastic (electric wire of USB wire, inner)					
22	Red soft plastic (electric wire of USB wire, inner)					
23	Black soft plastic (speaker, inner)					
24	White soft plastic (handle, inner)					
25	Blue plastic film (rind of battery, inner)					
26	Purple plastic film (rind of battery, inner)					
27	Yellow transparent plastic film back with glue (battery, inner)					
28	Silver / black plastic sticker (battery, inner)					





No.: ED200817039C002 Date: Sep. 17, 2020 Page 11 of 18

Tested Materials:

No.	Description					
29	Black / white sticker (battery / speaker / PCB, inner)					
30	Black felt back with glue (feet pad)					
31	Red paperboard back with glue (ends of battery, inner)					
32	Green paperboard with glue (battery, inner)					
33	White glue (fixing glue of shell, inner)					
34	Yellow glue (speaker, inner)					
35	White translucent glue (fixing glue of microphone, inner)					
36	Black EVA back with glue (battery, inner)					
37	Orange thread (handle)					
38	Black soft plastic (dust cover)					
39	Transparent plastic film with glue (speaker, inner)					
40	Transparent soft plastic (gasket of screw, inner)					
41	Black fabric (breathable film, inner)					
42	Dark grey water proof fabric (shell)					

Note: As specified by the client, the samples were subjected to mixed testing.





No.: ED200817039C002 Date: Sep. 17, 2020 Page 12 of 18

Sample Photo

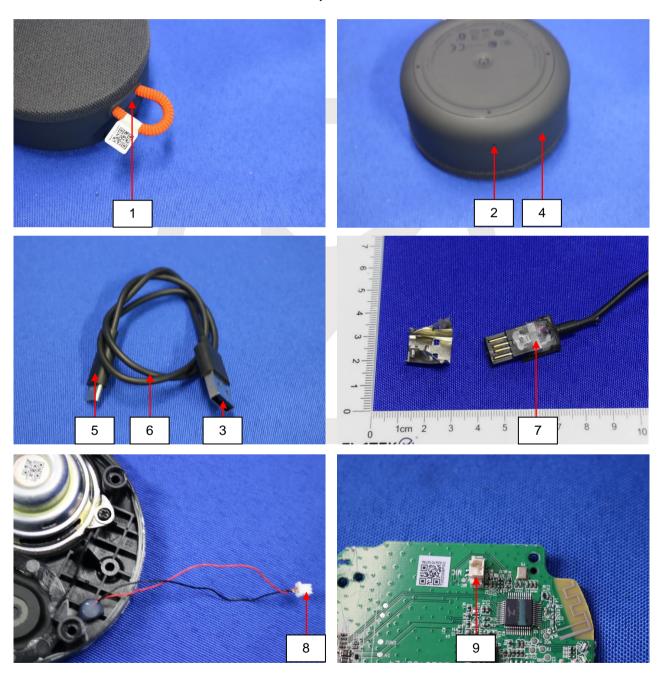






No.: ED200817039C002 Date: Sep. 17, 2020 Page 13 of 18

Sample Photo

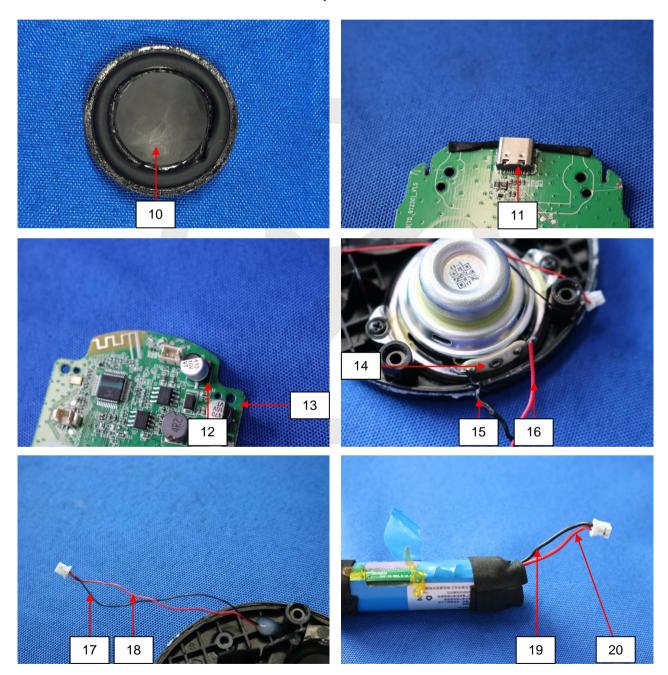






No.: ED200817039C002 Date: Sep. 17, 2020 Page 14 of 18

Sample Photo

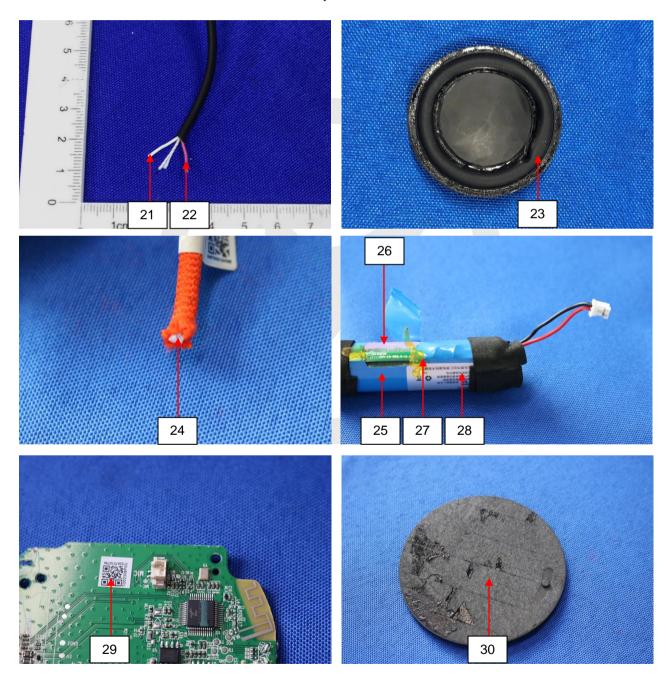






No.: ED200817039C002 Date: Sep. 17, 2020 Page 15 of 18

Sample Photo

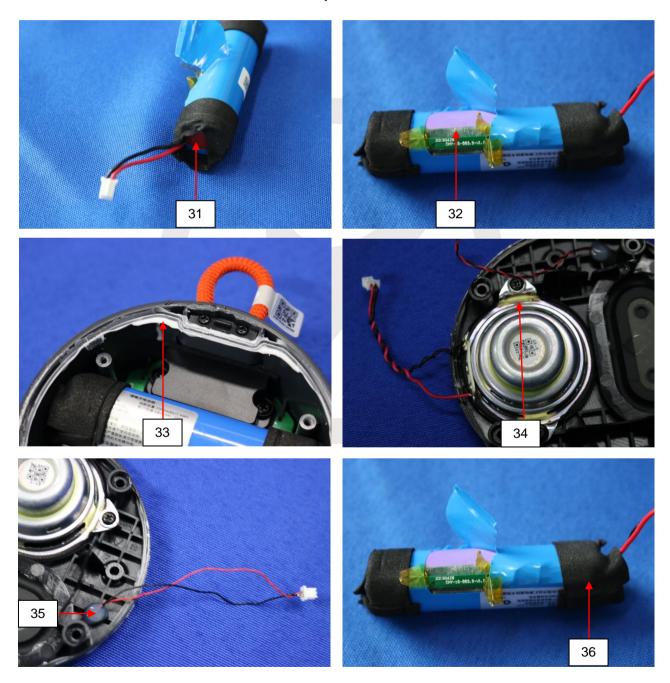






No.: ED200817039C002 Date: Sep. 17, 2020 Page 16 of 18

Sample Photo

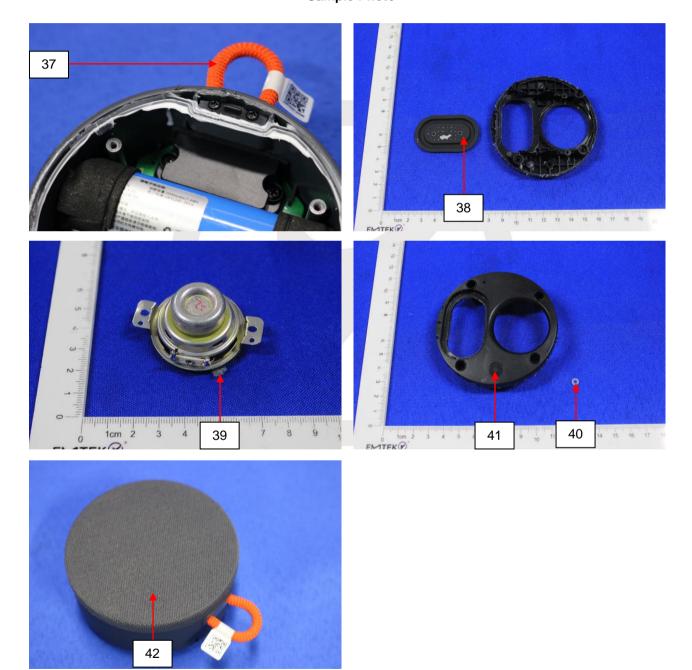






No.: ED200817039C002 Date: Sep. 17, 2020 Page 17 of 18

Sample Photo



*** End of Report ***





No.: ED200817039C002 Date: Sep. 17, 2020 Page 18 of 18

声明 Statement

1.本检测报告首页所列信息中除样品来源、接样日期、检测日期、检测结果和检测结论外,均由委托方提供,委托方对样品的代表性和 资 料的真实性负责,本实验室不承担任何相关责任。

The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.

2.本检测报告以实测值进行符合性判定,未考虑不确定度所带来的风险,特别约定、标准或规范中有明确规定的除外。此种判定方式所带来的风险由客户自行承担,本实验室不承担相关责任。

The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by the judgment method, and EMTEK shall not bear related responsibilities.

- 3. 检测报告无批准人签字及"检验检测专用章"无效,未经本实验室书面同意,不得整体或部分复制本报告 The test report is effective only with both signature and specialized stamp. Without written approval of EMTEK, this report can't be reproduced in full or in part.
- 4.本检测报告的检测结果仅对送测样品负责,未加盖资质认定标志的检测报告不对社会具有公证证明作用,对于检测数据、结果的使用, 所产生的直接或间接损失及一切法律后果,本实验室不承担任何经济和法律责任。

This test data is only responsible for the tested sample. The data and results provided by the report without CMA accreditation are not to prove to the society, and EMTEK is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulting from the use of the test and all legal consequences.

5.本检测报告中检测项目标注有特殊符号则该项目不在本实验室资质认定能力范围内,该项目检测结果仅作为客户委托、科研、教学或内 部质量控制等目的使用。

The test items are marked with special symbols in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching teaching or internal quality control.

6.其它声明请查阅报告页脚及书面报告背页。

For other statements, please refer to the footer of the report.





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

- 1. 东莞市信测科技有限公司(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 (Dongguan) 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

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.

