

检测报告

Test Report

编号: ED200818071C
No.: ED200818071C

日期: 2020年08月26日
Date: Aug. 26, 2020

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委托单位 : 东莞市瓷谷电子科技有限公司
Applicant : DONGGUAN CIGU ELECTRONICS TECHNOLOGY CO.,LTD
地址 : 东莞市厚街镇宝屯社区宝塘厦宝宏路29号D栋3A
Address : 3A,Bldg. D, No.29,Baohong Road,Baotangxia,Baotun Community,Houjie ,
Dongguan,Guangdong,China

样品名称 : MPX-X2 薄膜安规电容器
Sample Name : MPX-X2 Film Capacitor
型号 : (474K) 0.47 μ F/K
Style/Item No. : (474K) 0.47 μ F/K
批号 : CG200816A
Lot No. : CG200816A
供应商 : 东莞瓷谷
Supplier : DONGGUAN CIGU

接收日期 : 2020年08月19日
Received Date : Aug. 19, 2020
检测日期 : 2020年08月19日~2020年08月26日
Test Period : Aug. 19, 2020 ~ Aug. 26, 2020

测试要求 : 根据客户申请, 参照欧盟 REACH 法规(EC) No. 1907/2006 要求, 测定所提交样品中二百零九种高度关注物质的含量。
Test Requested : As specified by the client, according to REACH Regulation (EC) No.1907/2006, to determine the content of the two hundred and nine Substances of Very High Concern (SVHC) in the submitted sample.

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



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执行测试总结:

Executive Summary:

标准 STANDARD

结论 CONCLUSION

参照欧盟 REACH 法规(EC) No. 1907/2006 要求, 于 2020 年 6 月 25 日更新的 209 种高度关注物质候选清单中的每种高度关注物质在所提交样品中的浓度均小于 0.1%

合格

According to REACH Regulation (EC) No.1907/2006, the test results for the concentration of each of 209 SVHC which are in the current candidate list updated on June 25, 2020 are **LESS THAN 0.1% (wt.%)** in the submitted samples

PASS

谨代表

Signed for and on behalf of
东莞市信测科技有限公司

EMTEK (Dongguan) Co., Ltd.

制作:
Prepared by:


朱伟萍, Cherry
Zhu Weiping, Cherry
报告工程师
Report Engineer

审核:
Reviewed by:


张洪静, Carrie
Zhang Hongjing, Carrie
主管
Supervisor

批准:
Approved by:


曾杏姬, Cindy
Zeng Xingji, Cindy
授权签字人
Authorized signatory

2020年08月26日

Aug. 26, 2020

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测试结果:

Test Results:

测试方法: 样品经过微波消解或溶剂萃取前处理方法, 所得溶液经由 ICP-OES, GC-MS, LC-MS, IC 和 UV 等仪器检测。

Test Method: By using microwave digestion or solvent extraction methods, and the analysis was performed by ICP-OES, GC-MS, LC-MS, IC and UV.

检测项目 Test Item	测试结果(%) Test Result (%)		RL (%)
	1	2	
209种高度关注物质(SVHC) 209 SVHC	ND	ND	0.010

备注: ND = 未检测到 (小于报告限值)

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

测试材料:

Tested Materials:

序号 No.	样品描述 Description
1	金属 Metal
2	非金属 Non-metal

备注: 根据客户要求, 对样品进行混合测试, 测试结果不代表混合测试样品中任何一种单一材质的含量。

Remark: As specified by the client, the samples were subjected to mixed testing, and the test results do not represent the content of any single material in the sample.



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209种高度关注物质候选清单:

Two hundred and nine Substances of Very High Concern (SVHC):

Batch 批次	No. 序号	Substance Name 物质名称	CAS No.	RL(%)
I	1	4,4'- Diaminodiphenylmethane (MDA) 4,4'-二氨基二苯甲烷 (MDA)	101-77-9	0.010
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk Xylene) 二甲苯麝香(MX)	81-15-2	0.010
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) 短链氯化石蜡(C10-13) (SCCP)	85535-84-8	0.010
I	4	Anthracene 蒽	120-12-7	0.010
I	5	Benzyl butyl phthalate (BBP) 邻苯二甲酸丁苄酯 (BBP)	85-68-7	0.010
I	6	Bis (2-ethylhexyl)phthalate (DEHP) 邻苯二甲酸二(2-乙基己)酯 (DEHP)	117-81-7	0.010
I	7	Bis(tributyltin) oxide (TBTO) 氧化双三丁基锡 (TBTO)	56-35-9	0.010
I	8	Cobalt dichloride 二氯化钴 *	7646-79-9	0.010
I	9	Diarsenic pentaoxide 五氧化二砷 *	1303-28-2	0.010
I	10	Diarsenic trioxide 三氧化二砷 *	1327-53-3	0.010
I	11	Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯 (DBP)	84-74-2	0.010
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD) 六溴环十二烷 (HBCDD) 及其所有主要的非对映异构体(α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 134237-50-6 134237-51-7 134237-52-8	0.010
I	13	Lead hydrogen arsenate 砷酸氢铅 *	7784-40-9	0.010
I	14	Sodium dichromate 重铬酸钠 *	10588-01-9 7789-12-0	0.010

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Batch 批次	No. 序号	Substance Name 物质名称	CAS No.	RL(%)
I	15	Triethyl arsenate 三乙基砷酸酯 *	15606-95-8	0.010
II	16	Acrylamide 丙烯酰胺	79-06-1	0.010
II	17	2,4-dinitrotoluene 2,4-二硝基甲苯	121-14-2	0.010
II	18	Anthracene oil 蒽油	90640-80-5	0.010
II	19	Anthracene oil, anthracene paste 蒽油, 蒽糊	90640-81-6	0.010
II	20	Anthracene oil, anthracene paste, anthracene fraction 蒽油, 蒽糊, 蒽馏分	91995-15-2	0.010
II	21	Anthracene oil, anthracene paste, distn. lights 蒽油, 蒽糊, 轻油	91995-17-4	0.010
II	22	Anthracene oil, anthracene-low 蒽油, 含蒽量少	90640-82-7	0.010
II	23	Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯 (DIBP)	84-69-5	0.010
II	24	Lead chromate 铬酸铅(铬黄) *	7758-97-6	0.010
II	25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) 钼铬红 (C.I.颜料红 104) *	12656-85-8	0.010
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34) 铅铬黄 (C.I.颜料黄 34) *	1344-37-2	0.010
II	27	Pitch, coal tar, high-temp. 高温煤焦油沥青	65996-93-2	0.010
II	28	Tris(2-chloroethyl) phosphate (TCEP) 磷酸三(2-氯乙基)酯 (TCEP)	115-96-8	0.010
III	29	Ammonium dichromate 重铬酸铵 *	7789-09-5	0.010
III	30	Boric acid 硼酸 *	11113-50-1 10043-35-3	0.010

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Batch 批次	No. 序号	Substance Name 物质名称	CAS No.	RL(%)
III	31	Disodium tetraborate, anhydrous 无水四硼酸钠 *	12179-04-3 1303-96-4 1330-43-4	0.010
III	32	Potassium chromate 铬酸钾 *	7789-00-6	0.010
III	33	Potassium dichromate 重铬酸钾 *	7778-50-9	0.010
III	34	Sodium chromate 铬酸钠 *	7775-11-3	0.010
III	35	Tetraboron disodium heptaoxide, hydrate 七水合四硼酸钠 *	12267-73-1	0.010
III	36	Trichloroethylene 三氯乙烯	79-01-6	0.010
IV	37	2-ethoxyethanol 2-乙氧基乙醇	110-80-5	0.010
IV	38	2-methoxyethanol 2-甲氧基乙醇	109-86-4	0.010
IV	39	Acids generated from chromium trioxide and their oligomers 铬酸, 重铬酸, 及其低聚铬酸 *	7738-94-5 13530-68-2	0.010
IV	40	Chromium trioxide 三氧化铬 *	1333-82-0	0.010
IV	41	Cobalt(II) carbonate 碳酸钴(II) *	513-79-1	0.010
IV	42	Cobalt(II) diacetate 乙酸钴(II) *	71-48-7	0.010
IV	43	Cobalt(II) dinitrate 硝酸钴(II) *	10141-05-6	0.010
IV	44	Cobalt(II) sulphate 硫酸钴(II) *	10124-43-3	0.010
V	45	1,2,3-trichloropropane 1,2,3-三氯丙烷	96-18-4	0.010

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Batch 批次	No. 序号	Substance Name 物质名称	CAS No.	RL(%)
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) 邻苯二甲酸二(C6-8支链)烷基酯(富C7链)(DIHP)	71888-89-6	0.010
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) 邻苯二甲酸二(C7-11支链与直链)烷基酯(DHNUP)	68515-42-4	0.010
V	48	1-Methyl-2-pyrrolidone (NMP) 1-甲基-2-吡咯烷酮(NMP)	872-50-4	0.010
V	49	2-ethoxyethyl acetate 乙二醇乙醚醋酸酯	111-15-9	0.010
V	50	Hydrazine 肼	302-01-2 7803-57-8	0.010
V	51	Strontium chromate 铬酸锶*	7789-06-2	0.010
VI	52	1,2-dichloroethane 1,2-二氯乙烷	107-06-2	0.010
VI	53	2,2'-dichloro-4,4'-methylenedianiline (MOCA) 4,4'-二氨基-3,3'-二氯二苯甲烷(MOCA)	101-14-4	0.010
VI	54	2-Methoxyaniline, o-Anisidine 邻甲氧基苯胺	90-04-0	0.010
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol 对特辛基苯酚	140-66-9	0.010
VI	56	Aluminosilicate Refractory Ceramic Fibres 硅酸铝耐火陶瓷纤维*	-	0.010
VI	57	Arsenic acid 砷酸、原砷酸*	7778-39-4	0.010
VI	58	Bis(2-methoxyethyl) ether 二乙二醇二甲醚	111-96-6	0.010
VI	59	Bis(2-methoxyethyl) phthalate 邻苯二甲酸二甲氧基乙酯	117-82-8	0.010
VI	60	Calcium arsenate 砷酸钙*	7778-44-1	0.010

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Batch 批次	No. 序号	Substance Name 物质名称	CAS No.	RL(%)
VI	61	Dichromium tris(chromate) 铬酸铬 *	24613-89-6	0.010
VI	62	Formaldehyde, oligomeric reaction products with aniline 甲醛与苯胺的低聚物	25214-70-4	0.010
VI	63	Lead diazide, Lead azide 迭氮化铅 *	13424-46-9	0.010
VI	64	Lead dipicrate 苦味酸铅 *	6477-64-1	0.010
VI	65	Lead styphnate 2,4,6-三硝基苯二酚铅(史蒂芬酸铅) *	15245-44-0	0.010
VI	66	N,N-dimethylacetamide (DMAC) N,N-二甲基乙酰胺 (DMAC)	127-19-5	0.010
VI	67	Pentazinc chromate octahydroxide 氢氧化铬酸锌(锌黄) *	49663-84-5	0.010
VI	68	Phenolphthalein 酚酞	77-09-8	0.010
VI	69	Potassium hydroxyoctaoxodizincatedichromate 氢氧化铬酸锌钾 *	11103-86-9	0.010
VI	70	Trilead diarsenate 砷酸铅 *	3687-31-8	0.010
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres 氧化锆硅酸铝耐火陶瓷纤维 *	-	0.010
VII	72	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme) 三甘醇二甲醚(TEGDME)	112-49-2	0.010
VII	73	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME) 乙二醇二甲醚(EGDME)	110-71-4	0.010
VII	74	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) 异氰尿酸三缩水甘油酯 (TGIC)	2451-62-9	0.010
VII	75	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) 异氰尿酸β-三缩水甘油酯 (β-TGIC)	59653-74-6	0.010
VII	76	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol 4,4'-二(二甲氨基)-4''-甲氨基三苯甲醇	561-41-1	0.010

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VII	77	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 4,4'-双(二甲氨基)二苯酮(米氏酮)	90-94-8	0.010
VII	78	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) C.I.碱性紫 3	548-62-9	0.010
VII	79	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) C.I.碱性蓝 26	2580-56-5	0.010
VII	80	Diboron trioxide 三氧化二硼 *	1303-86-2	0.010
VII	81	Formamide 甲酰胺	75-12-7	0.010
VII	82	Lead(II) bis(methanesulfonate) 甲基磺酸铅(II) *	17570-76-2	0.010
VII	83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷(米氏碱)	101-61-1	0.010
VII	84	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) C.I.溶剂蓝 4	6786-83-0	0.010
VIII	85	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 邻苯二甲酸戊基异戊酯	84777-06-0	0.010
VIII	86	1,2-diethoxyethane 乙二醇二乙醚	629-14-1	0.010
VIII	87	1-bromopropane (n-propyl bromide) 1-溴丙烷	106-94-5	0.010
VIII	88	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷	143860-04-2	0.010
VIII	89	4,4'-methylenedi-o-toluidine 4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	0.010

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VIII	90	4,4'-oxydianiline and its salts 4,4'-二氨基二苯醚及其盐	101-80-4	0.010
VIII	91	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated 对特辛基苯酚乙氧基醚	-	0.010
VIII	92	4-aminoazobenzene 4-氨基偶氮苯	60-09-3	0.010
VIII	93	4-methyl-m-phenylenediamine (toluene-2,4-diamine) 2,4-二氨基甲苯	95-80-7	0.010
VIII	94	4-Nonylphenol, branched and linear 4-壬基(支链与直链)苯酚	-	0.010
VIII	95	6-methoxy-m-toluidine (p-cresidine) 2-甲氧基-5-甲基苯胺	120-71-8	0.010
VIII	96	[Phthalato(2-)]dioxotrilead 二盐基邻苯二甲酸铅 *	69011-06-9	0.010
VIII	97	Acetic acid, lead salt, basic 碱式乙酸铅 *	51404-69-4	0.010
VIII	98	Biphenyl-4-ylamine 4-氨基联苯	92-67-1	0.010
VIII	99	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) 十溴联苯醚(DecaBDE)	1163-19-5	0.010
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride 1,2-环己二甲酸酐	85-42-7	0.010
		cis-cyclohexane-1,2-dicarboxylic anhydride 顺式-1,2-环己二甲酸酐	13149-00-3	
		trans-cyclohexane-1,2-dicarboxylic anhydride 反式-1,2-环己二甲酸酐	14166-21-3	
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) 偶氮二甲酰胺(ADCA)	123-77-3	0.010
VIII	102	Dibutyltin dichloride (DBTC) 二丁基二氯化锡(DBTC)	683-18-1	0.010
VIII	103	Diethyl sulphate 硫酸二乙酯	64-67-5	0.010

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Batch 批次	No. 序号	Substance Name 物质名称	CAS No.	RL(%)
VIII	104	Diisopentyl phthalate (DIPP) 邻苯二甲酸二异戊酯 (DIPP)	605-50-5	0.010
VIII	105	Dimethyl sulphate 硫酸二甲酯	77-78-1	0.010
VIII	106	Dinoseb (6-sec-butyl-2,4-dinitrophenol) 地乐酚	88-85-7	0.010
VIII	107	Dioxobis(stearato)trilead 双(十八烷基)二氧代三铅 *	12578-12-0	0.010
VIII	108	Fatty acids, C16-18, lead salts C16-18-脂肪酸铅盐 *	91031-62-8	0.010
VIII	109	Furan 呋喃	110-00-9	0.010
VIII	110	Henicosafleuroundecanoic acid 全氟十一烷酸	2058-94-8	0.010
VIII	111	Heptacosafleuroundecanoic acid 全氟十四烷酸	376-06-7	0.010
VIII	112	Hexahydromethylphthalic anhydride 甲基六氢邻苯二甲酸酐 Hexahydro-3-methylphthalic anhydride 3-甲基六氢苯二甲酯酐 Hexahydro-4-methylphthalic anhydride 4-甲基六氢苯酐 Hexahydro-1-methylphthalic anhydride 甲基六氢化邻苯二甲酸酐	25550-51-0 57110-29-9 19438-60-9 48122-14-1	0.010
VIII	113	Lead bis(tetrafluoroborate) 四氟硼酸铅 *	13814-96-5	0.010
VIII	114	Lead cyanamidate 氨基氰铅盐 *	20837-86-9	0.010
VIII	115	Lead dinitrate 硝酸铅 *	10099-74-8	0.010
VIII	116	Lead monoxide (lead oxide) 一氧化铅 *	1317-36-8	0.010

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VIII	117	Lead oxide sulfate 碱式硫酸铅 *	12036-76-9	0.010
VIII	118	Lead titanium trioxide 钛酸铅 *	12060-00-3	0.010
VIII	119	Lead titanium zirconium oxide 钛酸铅锆 *	12626-81-2	0.010
VIII	120	Methoxyacetic acid 甲氧基乙酸	625-45-6	0.010
VIII	121	Methyloxirane (Propylene oxide). 1,2-环氧丙烷	75-56-9	0.010
VIII	122	N,N-dimethylformamide (DMF) N,N-二甲基甲酰胺 (DMF)	68-12-2	0.010
VIII	123	N-methylacetamide N-甲基乙酰胺	79-16-3	0.010
VIII	124	N-pentyl-isopentylphthalate (iPnP) 邻苯二甲酸正戊基异戊基酯 (iPnP)	776297-69-9	0.010
VIII	125	o-aminoazotoluene 邻-氨基偶氮甲苯	97-56-3	0.010
VIII	126	o-toluidine 2-氨基甲苯	95-53-4	0.010
VIII	127	Orange lead (lead tetroxide) 四氧化三铅 *	1314-41-6	0.010
VIII	128	Pentacosfluorotridecanoic acid 全氟十三烷酸	72629-94-8	0.010
VIII	129	Pentalead tetraoxide sulphate 硫酸四氧化五铅 *	12065-90-6	0.010
VIII	130	Pyrochlore, antimony lead yellow 铅锑黄 *	8012-00-8	0.010
VIII	131	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped 掺杂铅的硅酸钡 *	68784-75-8	0.010
VIII	132	Silicic acid, lead salt 硅酸铅 *	11120-22-2	0.010

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东莞市信测科技有限公司 / 地址: 广东省东莞市松山湖高新技术产业开发区新城大道9号中海洋生物技术研发基地A区2号办公楼负一层、第二层 网址: [Http://www.emtek.com.cn](http://www.emtek.com.cn)

EMTEK(Dongguan) Co., Ltd. 邮箱: E-mail: project@emtek.com.cn

Add: -1&2/F., Building 2, Zone A Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China [Http://www.emtek.com.cn](http://www.emtek.com.cn) E-mail: project@emtek.com.cn



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VIII	133	Sulfurous acid, lead salt, dibasic 二碱式亚硫酸铅 *	62229-08-7	0.010
VIII	134	Tetraethyllead 四乙基铅 *	78-00-2	0.010
VIII	135	Tetralead trioxide sulphate 硫酸三氧化四铅(三碱式硫酸铅) *	12202-17-4	0.010
VIII	136	Tricosafluorododecanoic acid 全氟十二烷酸	307-55-1	0.010
VIII	137	Trilead bis(carbonate) dihydroxide 碱式碳酸铅 *	1319-46-6	0.010
VIII	138	Trilead dioxide phosphonate 二碱式亚磷酸铅 *	12141-20-7	0.010
IX	139	4-Nonylphenol, branched and linear, ethoxylated 4-壬基(支链与直链)苯酚乙氧基醚	-	0.010
IX	140	Ammonium pentadecafluorooctanoate (APFO) 全氟辛酸铵(APFO)	3825-26-1	0.010
IX	141	Cadmium 镉 *	7440-43-9	0.010
IX	142	Cadmium oxide 氧化镉 *	1306-19-0	0.010
IX	143	Dipentyl phthalate (DPP) 邻苯二甲酸二正戊酯(DPP)	131-18-0	0.010
IX	144	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸(PFOA)	335-67-1	0.010
X	145	Cadmium sulphide 硫化镉(镉黄) *	1306-23-6	0.010
X	146	Dihexyl phthalate (DNHP) 邻苯二甲酸二正己酯 (DNHP)	84-75-3	0.010
X	147	Disodium,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) C.I.直接红28	573-58-0	0.010

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X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) C.I.直接黑 38	1937-37-7	0.010
X	149	Imidazolidine-2-thione (2-imidazoline-2-thiol) 2-巯基咪唑啉	96-45-7	0.010
X	150	Lead di(acetate) 乙酸铅 *	301-04-2	0.010
X	151	Trixylyl phosphate 磷酸三(二甲苯)酯	25155-23-1	0.010
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear 邻苯二甲酸二(支链与直链)己基酯	68515-50-4	0.010
XI	153	Cadmium chloride 氯化镉 *	10108-64-2	0.010
XI	154	Sodium perborate, perboric acid, sodium salt 水合过硼酸钠 *	-	0.010
XI	155	Sodium peroxometaborate 过硼酸钠 *	7632-04-4	0.010
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) 2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚(UV-328)	25973-55-1	0.010
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) 2-苯并三唑-2-基-4,6-二叔丁基苯酚(UV-320)	3846-71-7	0.010
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) 二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)	15571-58-1	0.010
XII	159	Cadmium fluoride 氟化镉 *	7790-79-6	0.010
XII	160	Cadmium sulphate 硫酸镉 *	10124-36-4, 31119-53-6	0.010

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Batch 批次	No. 序号	Substance Name 物质名称	CAS No.	RL(%)
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) 二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)和单辛基-三(2-乙基己基巯基乙酸酯)锡(MOTE)的反应物	-	0.010
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyldiesters 1,2-苯二甲酸, 二(C6-10)烷基酯/ 1,2-苯二甲酸, 混合二己二辛二癸酯, 其中邻苯二甲酸二己酯含量≥0.3%	-	0.010
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2], covering any of the individual stereoisomers of [1] and [2] or any combination thereof 5-二级丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1], 5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]	-	0.010
XIV	164	1,3-propanesultone 1,3-丙磺酸内酯	1120-71-4	0.010
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) 2,4-二叔丁基-6-(5-氯苯并三唑-2-基)苯酚(UV-327)	3864-99-1	0.010
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2H-苯并三唑-2-基)-4-(叔丁基)-6-(仲丁基)苯酚(UV-350)	36437-37-3	0.010
XIV	167	Nitrobenzene 硝基苯	98-95-3	0.010
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts 全氟壬酸及其钠盐和铵盐	375-95-1 21049-39-8 4149-60-4	0.010
XV	169	Benzo[a]pyrene 苯并[a]芘	50-32-8	0.010
XVI	170	4,4'-isopropylidenediphenol (bisphenol A) 4,4'-异亚丙基二酚(双酚 A)	80-05-7	0.010

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Batch 批次	No. 序号	Substance Name 物质名称	CAS No.	RL(%)
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts 全氟癸酸(PFDA)及其钠盐和铵盐	335-76-2 3830-45-3 3108-42-7	0.010
XVI	172	4-Heptylphenol, branched and linear (4-HPbl) 4-庚基苯酚, 支链和直链	-	0.010
XVI	173	p-(1,1-dimethylpropyl)phenol (PTAP) 4-(1,1-二甲基丙基)苯酚 或 4-叔戊基苯酚(PTAP)	80-46-6	0.010
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS) 全氟己基磺酸及其盐类(PFHxS)	-	0.010
XVIII	175	Benz[a]anthracene 苯并[a]蒽	56-55-3	0.010
XVIII	176	Cadmium carbonate 碳酸镉 *	513-78-0	0.010
XVIII	177	Cadmium hydroxide 氢氧化镉 *	21041-95-2	0.010
XVIII	178	Cadmium nitrate 硝酸镉 *	10325-94-7	0.010
XVIII	179	Chrysene 蒽	218-01-9	0.010
XVIII	180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 ^{6,9} .0 ^{2,13} .0 ^{5,10}]octadeca-7,15-diene ("Dechlorane Plus" TM) [covering any of its individual anti- and syn-isomers or any combination thereof] 1,6,7,8,9,14,15,16,17,17,18,18-十二氯五环[12.2.1.1 ^{6,9} .0 ^{2,13} .0 ^{5,10}]十八碳-7,15-二烯("德克隆" TM)[包括所有反式和顺式异构体及其组合]	-	0.010
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] 1,3,4-噻二唑烷-2,5-二硫酮, 甲醛和 4-庚基苯酚的支链和直链(RP-HP)的反应产物[4-庚基苯酚, 支链和直链含量≥0.1% w / w]	-	0.010
XIX	182	Octamethylcyclotetrasiloxane (D4) 八甲基环四硅氧烷(D4)	556-67-2	0.010
XIX	183	Decamethylcyclopentasiloxane (D5) 十甲基环五硅氧烷(D5)	541-02-6	0.010

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XIX	184	Dodecamethylcyclohexasiloxane (D6) 十二甲基环六硅氧烷(D6)	540-97-6	0.010
XIX	185	Lead * 铅	7439-92-1	0.010
XIX	186	Disodium octaborate * 八硼酸二钠	12008-41-2	0.010
XIX	187	Benzo[ghi]perylene 苯并[g,h,i]芘	191-24-2	0.010
XIX	188	Terphenyl, hydrogenated 氢化三联苯	61788-32-7	0.010
XIX	189	Ethylenediamine (EDA) 乙二胺(EDA)	107-15-3	0.010
XIX	190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA) 苯-1,2,4-三羧酸 1,2-酐(偏苯三酸酐)(TMA)	552-30-7	0.010
XIX	191	Dicyclohexyl phthalate (DCHP) 邻苯二甲酸二环己酯(DCHP)	84-61-7	0.010
XX	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane 2,2-双(4'-羟基苯基)-4-甲基戊烷	6807-17-6	0.010
XX	193	Benzo[k]fluoranthene 苯并[k]荧蒹	207-08-9	0.010
XX	194	Fluoranthene 荧蒹	206-44-0	0.010
XX	195	Phenanthrene 菲	85-01-8	0.010
XX	196	Pyrene 芘	129-00-0	0.010
XX	197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC) 1,7,7-三甲基-3-(苯基亚甲基)双环[2.2.1]庚烷-2-酮 (3-亚苄基樟脑; 3-BC)	15087-24-8	0.010

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XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) (HFPO-DA) 2,3,3,3-四氟-2-(七氟丙氧基)丙酸, 其盐类和酰卤(包括它们各自的异构体及其组合) (HFPO-DA)	-	0.010
XXI	199	2-methoxyethyl acetate 2-甲氧基乙基乙酸酯	110-49-6	0.010
XXI	200	4-tert-butylphenol 4-叔丁基苯酚	98-54-4	0.010
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) 三(壬基苯基, 支链和直链)亚磷酸酯(TNPP), 含有 \geq 0.1% w/w 的 4-壬基酚, 支链和直链(4-NP)	-	0.010
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone 2-苄基-2-二甲基氨基-1-(4-吗啉苯基)丁酮	119313-12-1	0.010
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one 2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮	71868-10-5	0.010
XXII	204	Diisohexyl phthalate 邻苯二甲酸二异己酯	71850-09-4	0.010
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts 全氟丁烷磺酸(PFBS)及其盐类	-	0.010
XXIII	206	1-vinylimidazole 1-乙烯基咪唑	1072-63-5	0.010
XXIII	207	2-methylimidazole 2-甲基咪唑	693-98-1	0.010
XXIII	208	Butyl 4-hydroxybenzoate 4-羟基苯甲酸丁酯	94-26-8	0.010
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin 二正丁基双(乙酰丙酮基)锡	22673-19-4	0.010

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东莞市信测科技有限公司 / 地址: 广东省东莞市松山湖高新技术产业开发区新城大道9号中海洋生物技术研发基地A区2号办公楼负一层、第二层 网址: [Http://www.emtek.com.cn](http://www.emtek.com.cn)
EMTEK(Dongguan) Co., Ltd. 邮箱: E-mail: project@emtek.com.cn

Add: -1&2/F., Building 2, Zone A Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China [Http://www.emtek.com.cn](http://www.emtek.com.cn) E-mail: project@emtek.com.cn



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备注:

Remark:

1. ND = 未检测到(低于报告限值) RL = 报告限值
ND = Not Detected (lower than reporting limit) RL = Reporting Limit
2. PBT = 持久性, 生物蓄积性和毒性
PBT = Persistent, Bio accumulative and Toxic as defined in Regulation (EC) No 1907/2006
3. vPvB = 高持久性和高生物积蓄性
vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006
4. (1)CAS No. 7789-12-0 指的是二水合重铬酸钠
(1) CAS No. 7789-12-0 refers to Sodium dichromate dihydrate
(2)CAS No. 10588-01-9 指的是无水重铬酸钠
(2) CAS No. 10588-01-9 refers to anhydrous Sodium dichromate
(3)CAS No. 3194-55-6 指的是 1,2,5,6,9,10- 六溴环十二烷
(3) CAS No. 3194-55-6 refers to 1,2,5,6,9,10- hexabromocyclododecane
(4)CAS No. 25637-99-4 指的是六溴环十二烷 (未指定溴取代位)
(4) CAS No. 25637-99-4 refers to hexabromocyclododecane (without specifying bromine positions)
5. 如果物品中的一个物质重量小于该物品总重量的 0.1%, 则这个物质可以忽略。
If the article contains a material type whose weight is less than 0.1% of the total article weight, this material type is ignored for testing.
6. * = 报告结果是依据所检测选择的代表重金属含量。由于所使用的测试技术的局限, 当根据化学计量学所计算出来的目标物质的结果大于法规限值, 强烈建议客户查验物料中所使用的物质组成以确认。
* = Result is based on the representative heavy metal concentration. Due to the limit of the analytical technology available, when the calculated result of target substance by chemometrics is higher than the request limit, the client is strongly advised to review the chemical formulation to ascertain.
7. # = 基于 REACH 法规, 此类高度关注物质被定义为 UVCB 物质(具有未知的或不定的组成, 复杂反应产物或者与生物相关的材料), 由于其成分范围相对较大和/或有代表性部分的组分是未知的和/或组成差别相对较大或较难判断的, 所以这些物质不能够根据其化学组成被充分地判定。因此对于这类物质的测试结果是依据被选择的特征标物的检测并依据最坏情形计算出来。
= The SVHC which is defined as UVCB substance (substances of Unknown or Variable composition, Complex reaction products or Biological materials) under REACH regulation cannot be sufficiently identified by its chemical composition as the number of constituents is relatively large and/or the composition is, to a significant part, unknown and/or the variability of composition is relatively large or poorly predictable. So the test result is calculated as per the selected identifiers of the SVHC basing on the worst-case scenario.
8. 根据 REACH 法规(EC) No. 1907/2006, 任何一种高度关注物质在物品中的含量都不得高于 0.1%。
According to the REACH regulation (EC) No. 1907/2006, the request limit is 0.1% for SVHC in the article.
9. 如果任何一种高度关注物质含量大于法规限值, 建议客户查验物料中所使用的物质组成并要求作进一步的定量分析。
If a SVHC is found over the request limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by further request of quantitative analysis.

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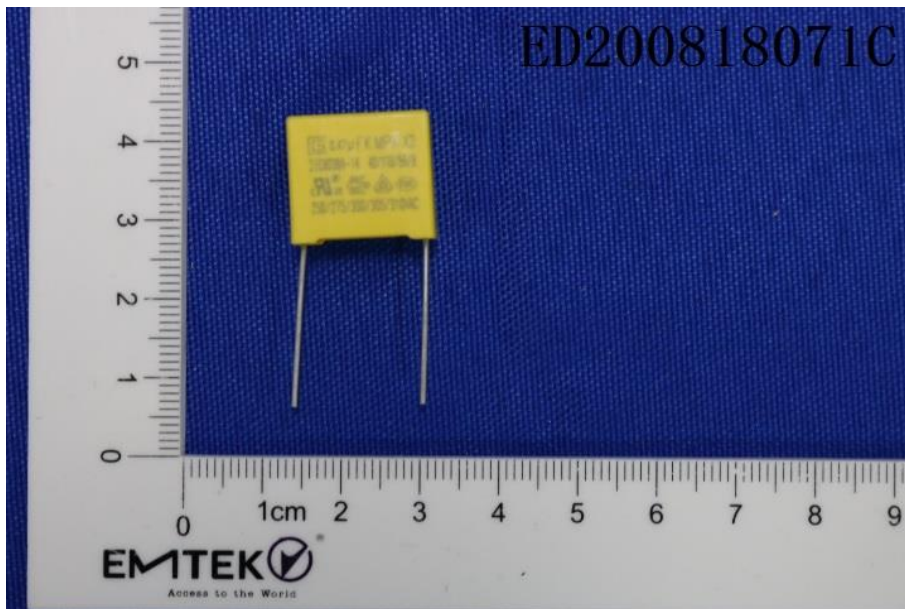
检测报告 Test Report

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样品照片 Sample Photo



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注释: Notes:

- 1) 限值0.1%是针对整个物品。测试结果是依据将送测样品看作为一单独物品计算的。然而测试结果不适用于那些作为物质或配置品用途的样品。根据REACH法规, 物品, 物质和配置品的定义如下:
The limit of 0.1% (w / w) applies to an article. The results were calculated assuming that the submitted sample was an article. However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH, the definitions of article, substance or mixture are:
 - i. 物品 – 一个物体在生产过程中被塑造出特殊形状, 表面或者设计, 这些特征相对于化学组成更决定该物体的功能。
Article - An object during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition.
 - ii. 物质 – 一种自然状态下的或者经由某种生产过程生产出来的化学元素和它的化合物。
Substance - A chemical element and its compound in the natural state or obtained by any manufacturing process.
 - iii. 配制品 – 由两种或两种以上的物质组成的混合物或溶液。
Mixture (Previously known as "Preparation") - A mixture or solution composed of two or more substances.
- 2) 依据REACH法规第7条—物品中物质的注册和通报, 如果某种物质符合57条中规定的条件并且依据第59(1)条被确定为高度关注物质, 如果同时满足(1)这种物质被包含在这些物品中的总量超过1吨每生产商或每进口商每年和(2)这种物质在这些产品中的浓度大于0.1%, 任何物品生产商或进口商都应该向欧洲化学品管理局通报。被通报的信息应该包含(a)生产商或进口商的识别信息和联系方式, (b)注册号码, (c)物质识别信息, (d)物质的类别, (e)关于物质使用的概括描述和(f)物质的吨位范围。
In accordance with Article 7 of Regulation (EC) No. 1907 / 2006 (REACH regulation) – Registration and notification of substances in articles, any producer or importer of articles shall notify ECHA, if a substance meeting the criteria in Article 57 and is identified in accordance with Article 59(1), if both (1) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year & (2) the substance is present in those articles above a concentration of 0.1% weight by weight (w / w) are met. The information to be notified shall include (a) identity and contact details of the producer or importer, (b) the registration numbers, (c) the identity of the substance and (d) the classification of the substance, (e) a brief description of the use of the substance and (f) the tonnage range of the substance.
- 3) 依据REACH法规第33条—物品中物质的信息传递义务, 任何供应商供应的物品中含有某种物质符合第57条中规定并且依据第59(1)条被确认为高度关注物质, 如果其浓度大于0.1%, 此供应商应该提供给接受者关于能够安全使用该物品的足够信息, 至少包括物质的名称。根据消费者要求, 任何供应商应该在要求被提出的45日内免费地提供这些信息给消费者。
In accordance with Article 33 of Regulation (EC) No. 1907 / 2006 (REACH regulation) – Duty to communicate information on substances in articles, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in concentration above 0.1% weight by weight (w / w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance. On request by a consumer the relevant information shall be provided by any supplier of an article free of charge, within 45 days of receipt of the request.

*** 报告结束 ***
*** End of Report ***

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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，本实验室不承担任何相关责任。
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后果。
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.

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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，本公司毋庸，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.

