

检测报告
Test Report报告编号 A2170048743101E
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申请单位 惠州市興利業精密電子廠有限公司[敬業電子(惠州)有限公司]
Applicant BENNIC AND COMPANY [JINGYE ELECTRONICS (HUIZHOU) CO., LTD.]
 地 址 廣東省惠州市惠城區惠風西四路 82 號(平南工業園 50 號小區)
Address 82, HUI FENG XI SI ROAD,HUIZHOU, GUANG DONG PROVIENCE

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

成品名称 塑膠電容器
Finished Product Name FILM CAPACITORS
 样品名称 请参见下页。
Sample Name Please refer to following page(s).
 样品接收日期 2017.10.12
Sample Received Date Oct. 12, 2017
 样品检测日期 2017.10.12-2017.10.17
Testing Period Oct. 12, 2017 to Oct. 17, 2017

检测要求 根据客户要求, 对所提交样品中的铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)进行测试。

Test Requested As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

检测依据和检测结果 请参见下页。
Test Method & Test Result(s) Please refer to following page(s).

主 检 李尉岭 审 核 黄艳
 Tested by _____ Reviewed by _____

批 准 郑晴涛 日 期 2017.10.17
 Approved by _____ Date _____

郑晴涛
 技术经理 Technical Manager

No. R177731533

华测检测认证集团股份有限公司

深圳市宝安区新安街道留仙三路 4 号华测检测大楼

Centre Testing International Group Co.,Ltd.

CTI Building, No.4, Liuxian 3rd road, Xin'an Street, Bao'an District, Shenzhen, P.R.China

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结论 Conclusion

测试样品 Tested Sample	依据指令 According to directive	结果 Result
提交样品 Submitted Sample	欧盟 RoHS 指令 2011/65/EU 及其修订指令 (EU) 2015/863 RoHS Directive 2011/65/EU with amendment (EU) 2015/863	符合 Pass

符合表示检测结果满足欧盟 RoHS 指令 2011/65/EU 及其修订指令(EU) 2015/863 要求的限值。

Pass means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

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序号 No.	样品名称 Sample Name(s)
001	CU 線 TIN PLATE COPPER WIRE
002	錫鋅線 TIN-ZINC ALLOY WIRE
003	鋅線 ZINC WIRE
004	銀線 SILVERY WIRE
005	金屬化聚丙烯膜 METALLIZED POLYPROPYLENE FILM
006	金屬化聚脂膜 METALLIZED POLYESTER FILM
007	銀色 UV 油墨 SILVERY INK(UV)
008	黑色 UV 油墨 BLACK INK(UV)
009	3M 膠帶 3M TAPE
010	黑色瑪拉膠帶 BLACK MYLAR TAPE
011	黃色瑪拉膠帶 YELLOW MYLAR TAPE
012	白色瑪拉膠帶 WHITE MYLAR TAPE
013	白色環氧樹脂 WHITE EPOXY POTTING RESIN
014	黃色環氧樹脂 YELLOW EPOXY POTTING RESIN
015	黑色環氧樹脂 BLACK EPOXY POTTING RESIN
016	棕色環氧樹脂 BROWN EPOXY POTTING RESIN
017	塞珠 PLASTIC BEAD

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检测依据 Test Method

测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅(Pb) Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
镉(Cd) Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
汞(Hg) Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 和/或 IEC 62321-5:2013 Ed.1.0 测试总铬含量 IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013 Ed.1.0	UV-Vis/ICP-OES
	IEC 62321-7-1:2015	UV-Vis
多溴联苯(PBBs) Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS
多溴二苯醚(PBDEs) Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015 Ed.1.0	GC-MS
邻苯二甲酸酯(DBP, BBP, DEHP, DIBP) Phthalates(DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	001	002		
铅 Lead (Pb)	N.D.	30 mg/kg	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.▼	N.D.▼	0.10 µg/cm ² (LOQ)	1000 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	003	004		
铅 Lead (Pb)	19 mg/kg	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.▼	N.D.▼	0.10 µg/cm ² (LOQ)	1000 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	005	006		
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	8 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	007	008		
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	8 mg/kg	1000 mg/kg

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	009	010		
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	8 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	011	012		
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	8 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	013	014		
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	8 mg/kg	1000 mg/kg

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	015	016		
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	8 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	017		
铅 Lead (Pb)	9 mg/kg	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

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测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	005	006		
多溴联苯 Polybrominated Biphenyls(PBBs)				
一溴联苯 Monobromodiphenyl	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	N.D.	5 mg/kg	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)				
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	N.D.	5 mg/kg	
三溴二苯醚 Tribromobiphenyl ether	N.D.	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
五溴二苯醚 Pentabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
六溴二苯醚 Hexabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
七溴二苯醚 Heptabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
八溴二苯醚 Octabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
九溴二苯醚 Nonabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
十溴二苯醚 Decabromobiphenyl ether	N.D.	N.D.	5 mg/kg	

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	007	008		
多溴联苯 Polybrominated Biphenyls(PBBs)				
一溴联苯 Monobromodiphenyl	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	N.D.	5 mg/kg	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)				
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	N.D.	5 mg/kg	
三溴二苯醚 Tribromobiphenyl ether	N.D.	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
五溴二苯醚 Pentabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
六溴二苯醚 Hexabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
七溴二苯醚 Heptabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
八溴二苯醚 Octabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
九溴二苯醚 Nonabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
十溴二苯醚 Decabromobiphenyl ether	N.D.	N.D.	5 mg/kg	

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测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	009	010		
多溴联苯 Polybrominated Biphenyls(PBBs)				
一溴联苯 Monobromodiphenyl	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	N.D.	5 mg/kg	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)				
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	N.D.	5 mg/kg	
三溴二苯醚 Tribromobiphenyl ether	N.D.	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
五溴二苯醚 Pentabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
六溴二苯醚 Hexabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
七溴二苯醚 Heptabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
八溴二苯醚 Octabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
九溴二苯醚 Nonabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
十溴二苯醚 Decabromobiphenyl ether	N.D.	N.D.	5 mg/kg	

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测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	011	012		
多溴联苯 Polybrominated Biphenyls(PBBs)				
一溴联苯 Monobromodiphenyl	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	N.D.	5 mg/kg	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)				
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	N.D.	5 mg/kg	
三溴二苯醚 Tribromobiphenyl ether	N.D.	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
五溴二苯醚 Pentabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
六溴二苯醚 Hexabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
七溴二苯醚 Heptabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
八溴二苯醚 Octabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
九溴二苯醚 Nonabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
十溴二苯醚 Decabromobiphenyl ether	N.D.	N.D.	5 mg/kg	

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	013	014		
多溴联苯 Polybrominated Biphenyls(PBBs)				
一溴联苯 Monobromodiphenyl	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	N.D.	5 mg/kg	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)				
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	N.D.	5 mg/kg	
三溴二苯醚 Tribromobiphenyl ether	N.D.	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
五溴二苯醚 Pentabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
六溴二苯醚 Hexabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
七溴二苯醚 Heptabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
八溴二苯醚 Octabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
九溴二苯醚 Nonabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
十溴二苯醚 Decabromobiphenyl ether	N.D.	N.D.	5 mg/kg	

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测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	015	016		
多溴联苯 Polybrominated Biphenyls(PBBs)				
一溴联苯 Monobromodiphenyl	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	N.D.	5 mg/kg	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)				
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	N.D.	5 mg/kg	
三溴二苯醚 Tribromobiphenyl ether	N.D.	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
五溴二苯醚 Pentabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
六溴二苯醚 Hexabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
七溴二苯醚 Heptabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
八溴二苯醚 Octabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
九溴二苯醚 Nonabromobiphenyl ether	N.D.	N.D.	5 mg/kg	
十溴二苯醚 Decabromobiphenyl ether	N.D.	N.D.	5 mg/kg	

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	017		
多溴联苯 Polybrominated Biphenyls(PBBs)			
一溴联苯 Monobromodiphenyl	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)			
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromobiphenyl ether	N.D.	5 mg/kg	
三溴二苯醚 Tribromobiphenyl ether	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromobiphenyl ether	N.D.	5 mg/kg	
五溴二苯醚 Pentabromobiphenyl ether	N.D.	5 mg/kg	
六溴二苯醚 Hexabromobiphenyl ether	N.D.	5 mg/kg	
七溴二苯醚 Heptabromobiphenyl ether	N.D.	5 mg/kg	
八溴二苯醚 Octabromobiphenyl ether	N.D.	5 mg/kg	
九溴二苯醚 Nonabromobiphenyl ether	N.D.	5 mg/kg	
十溴二苯醚 Decabromobiphenyl ether	N.D.	5 mg/kg	

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	005	006		
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二正丁酯 Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄酯 Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸(2-乙基己基)酯 Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	007	008		
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二正丁酯 Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄酯 Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸(2-乙基己基)酯 Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	009	010		
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二正丁酯 Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄酯 Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸(2-乙基己基)酯 Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	011	012		
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二正丁酯 Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄酯 Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸(2-乙基己基)酯 Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	013	014		
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二正丁酯 Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄酯 Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸(2-乙基己基)酯 Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result		方法检出限 MDL	限值 Limit
	015	016		
邻苯二甲酸酯 Phthalates				
邻苯二甲酸二正丁酯 Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄酯 Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸(2-乙基己基)酯 Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg

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检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
	017		
邻苯二甲酸酯 Phthalates			
邻苯二甲酸二正丁酯 Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄酯 Benzylbutyl phthalate(BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸(2-乙基己基)酯 Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

测试样品/部位描述 Tested Sample/Part Description

- 001 带有银色镀层的金属 Metal with silvery plating
- 002 银色金属线 Silvery metal wire
- 003 银色金属线 Silvery metal wire
- 004 珠光银色金属 Pearl-silvery metal
- 005 银色薄膜 Silvery film
- 006 银色薄膜 Silvery film
- 007 银色油墨 Silvery ink
- 008 黑色油墨 Black ink
- 009 黑色胶带 Black adhesive tape
- 010 黑色胶带 Black adhesive tape
- 011 黄色胶带 Yellow adhesive tape
- 012 白色胶带 White adhesive tape
- 013 白色固体 White solid
- 014 黄色固体 Yellow solid
- 015 黑色固体 Black solid
- 016 棕色固体 Brown solid
- 017 黄色固体颗粒 Yellow solid grains

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备注: 对于检测铅, 镉, 汞之样品已完全溶解。
-N.D. = 未检出 (小于方法检出限或定量限)
-mg/kg = ppm = 百万分之一
-LOQ = 定量限, 六价铬的定量限为 $0.10 \mu\text{g}/\text{cm}^2$
-▼六价铬浓度小于 $0.10 \mu\text{g}/\text{cm}^2$, 样品未检出六价铬。

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL or LOQ)
-mg/kg = ppm = parts per million
-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is $0.10 \mu\text{g}/\text{cm}^2$
-▼The sample is negative for Cr(VI) – The Cr(VI) concentration is below $0.10 \mu\text{g}/\text{cm}^2$. The coating is considered a non-Cr(VI) based coating.

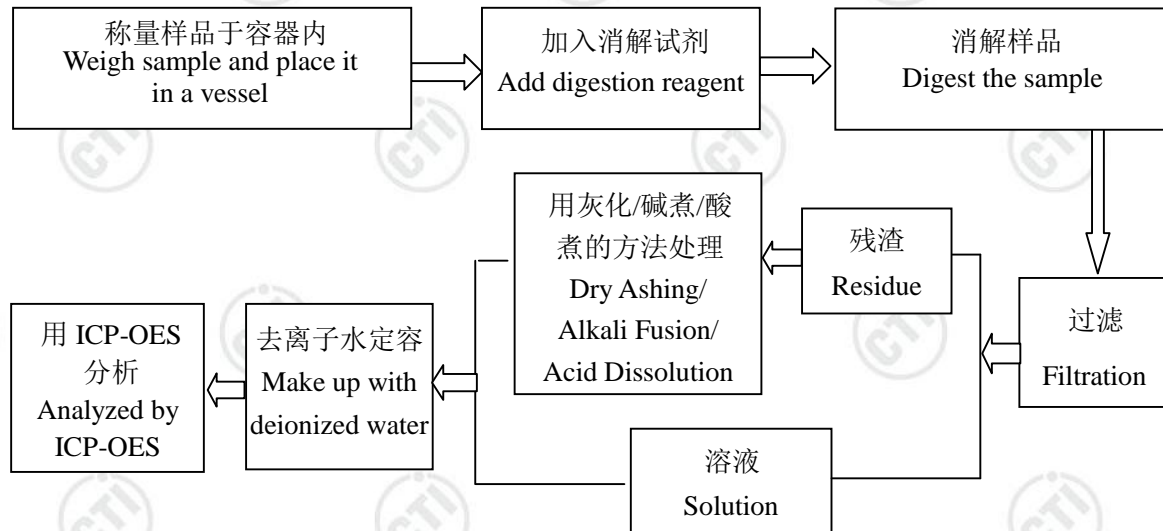
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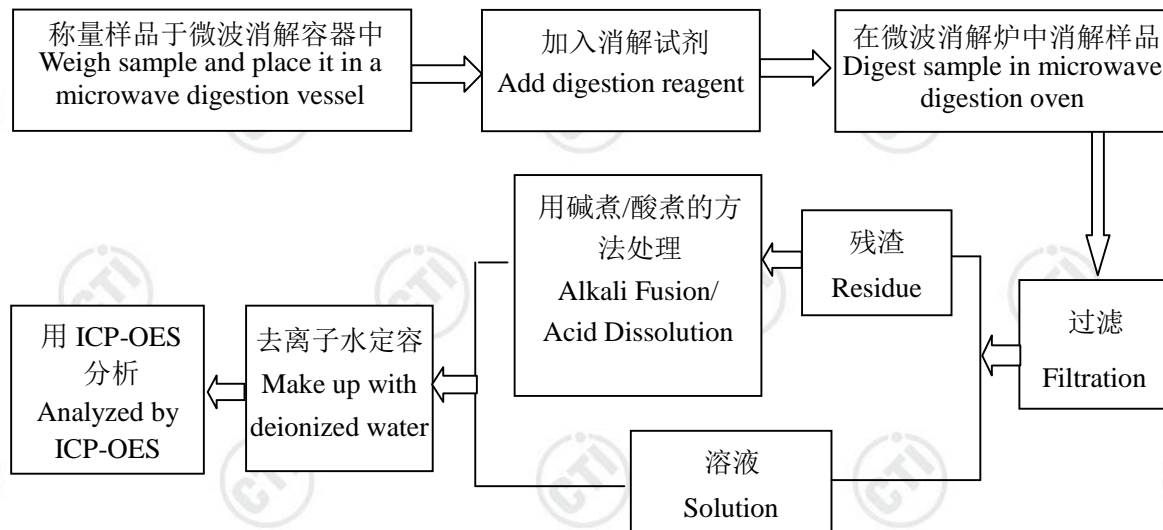
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检测流程 Test Process

1. 铅(Pb), 镉(Cd), 铬(Cr) Lead(Pb), Cadmium(Cd), Chromium(Cr)



2. 汞(Hg) Mercury (Hg)



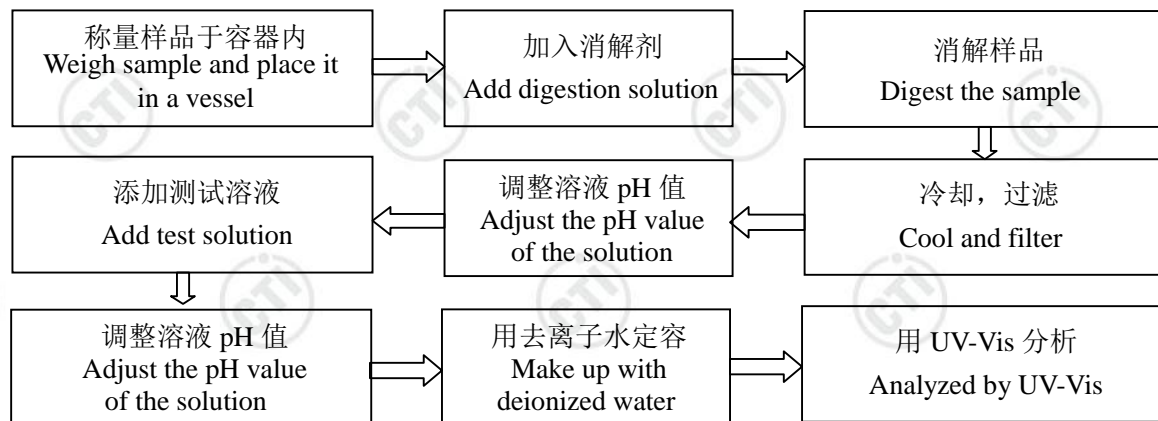
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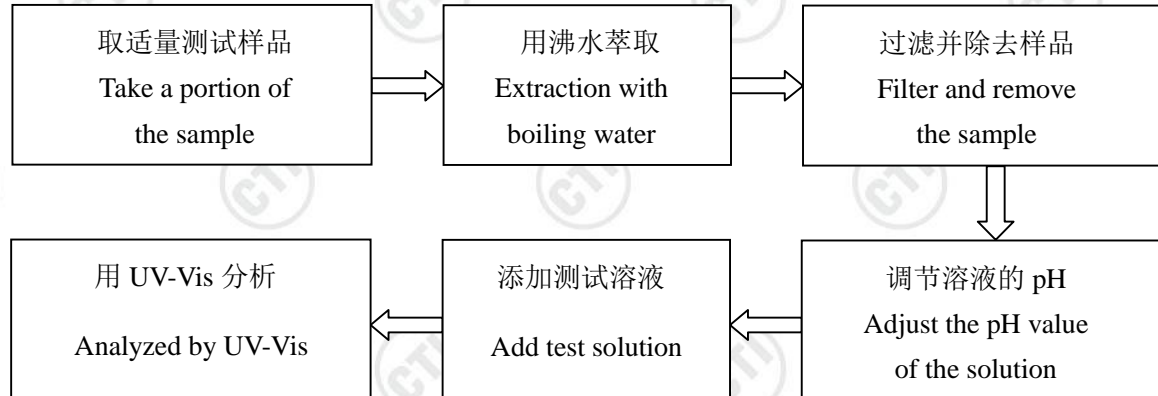
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3. 六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))

(1) IEC 62321-7-2:2017



(2) IEC 62321-7-1:2015



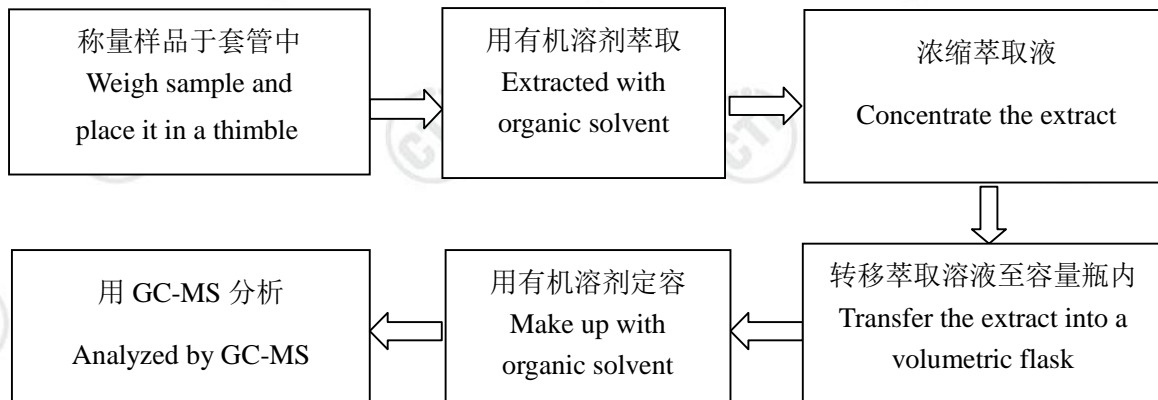
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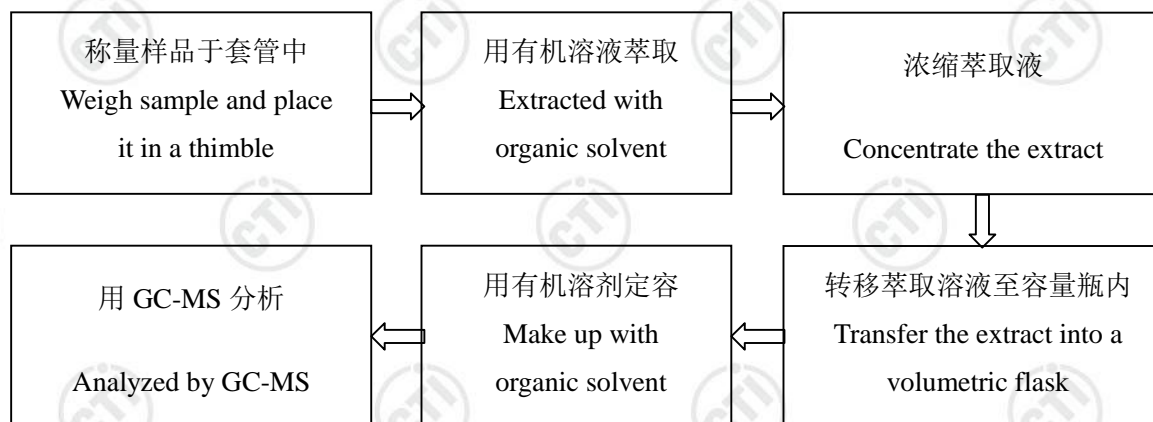
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4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)

Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. 邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)

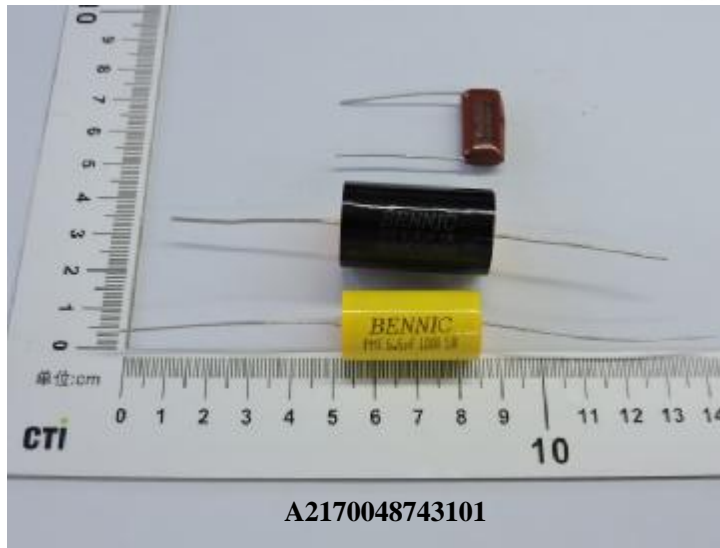


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样品图片 Photo(s) of the sample(s)



成品名称 塑膠電容器
Finished Product Name FILM CAPACITORS

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样品图片 Photo(s) of the sample(s)

001



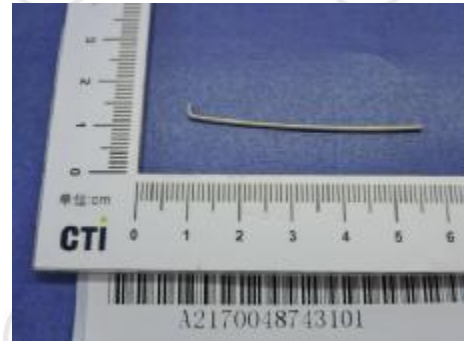
002



003



004



005



006



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样品图片 Photo(s) of the sample(s)

007



008



009



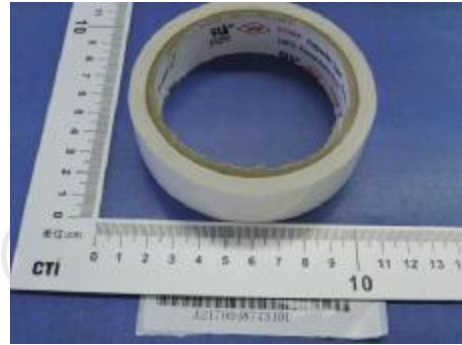
010



011



012



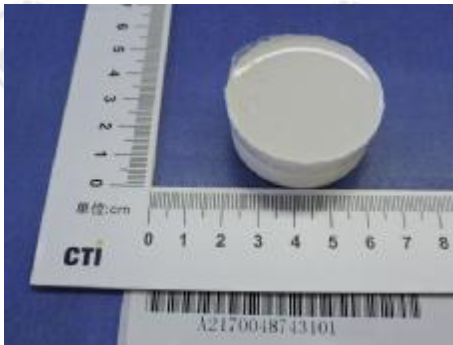
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样品图片 Photo(s) of the sample(s)

013



014



015



016



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样品图片 Photo(s) of the sample(s)

017



*** 报告结束 ***

***End of report ***

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