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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 COMPONENTS

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 $\frac{1}{2}$

成品名称 Finished Product Name 请参见下页 Please refer to the following page 样品名称 Sample Name(s) 请参见下页 Please refer to the following page

样品接收日期 2013.10.18 Sample Received Date Oct. 18, 2013

样品检测日期 2013.10.18-2013.10.23

Testing Period Oct. 18, 2013 to Oct. 23, 2013

检测要求/检测依据/检测结果 请参见下页。

Test Requested/Test Method/Test Result(s) Please refer to the following page(s).

主 检 Rick Lin

批准

Dylin

Danny Liu Technical Manager

术股份有限公司

审 核

Reviewed by

日 期

_

2013.10.23

Date

No. 1012241762

广东省深圳市宝安区 70 区鸿威工业园

ernational (Shenzhen) Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China



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-1		
序号	成品名称	样品名称
No.	Finished Product Name	Sample Name(s)
(1)		CP 線 TIN PLATE COPPER COVERED STEEL WIRE
(2)		CU 線 TIN PLATE COPPER WIRE
(3)		錫鋅線 TIN-ZINC ALLOY WIRE
(4)		鋅線 ZINC WIRE
(5)		聚丙稀膜 METALLIZED POLYPROPYLENE FILM
(6)		銀色 UV 油墨 SILVERY INK(UV)
(7)		黑色 UV 油墨 BLACK INK(UV)
		黑色瑪拉膠帶
(8)		BLACK COATED TRANSPARENT ADHESIVE
	塑膠電容器 -	PLASTIC TAPE
_0	型炒电分份 FILM CAPACITORS	黄色瑪拉膠帶
(9)	TILM CAFACITORS	YELLOW COATED TRANSPATENT ADHESIVE
160		PLASTIC TAPE
(10)		白色環氧樹脂
(10)		WHITE EPOXY POTTING RESIN
(11)		黄色環氧樹脂
(11)	(0,1)	YELLOW EPOXY POTTING RESIN
(12)		黑色環氧樹脂
(12)		BLACK EPOXY POTTING RESIN
(13)	C.2	棕色環氧樹脂 BROWN EPOXY POTTING RESIN
(14)		塞珠 PLASTIC BEAD

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)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) in the submitted sample(s).























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检测依据 Test Method

测试项目	测试方法	测试仪器	
Tested Item(s)	Test Method	Measured Equipment(s)	
	IEC 62321:2008 Ed.1 Sec.8	200000	
铝 Lead (Pb)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES	
	IEC 62321:2008 Ed.1 Sec.10	(6,	
	IEC 62321:2008 Ed.1 Sec.8		
镉 Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES	
	IEC 62321:2008 Ed.1 Sec.10		
汞 Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	
	IEC 62321:2008 Ed.1 Annex B		
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	

测试项目 Tested Item(s)		结果 Result		方法检测限	
		(1)	(2)	MDL	
铅 Lead (Pb)	1:0	N.D.	N.D.	2 mg/kg	
镉 Cadmium (Cd)	(65)	N.D.	N.D.	2 mg/kg	
汞 Mercury (Hg)		N.D.	N.D.	2 mg/kg	
六价铬 Hexavalent Chrom	ium (Cr(VI))	阴性 Negative	阴性 Negative	/	

测试项目 Tested Item(s)	结果 Result		方法检测限	
侧风项目 Tested Item(s)	(3)	(4)	MDL	
铅 Lead (Pb)	61 mg/kg	25 mg/kg	2 mg/kg	
镉 Cadmium (Cd)	N.D.	18 mg/kg	2 mg/kg	
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	
六价铬 Hexavalent Chromium (Cr(VI))	阴性 Negative	阴性 Negative	1	















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测计位日 75-44-1 [4(-)	结果	方法检测限	
测试项目 Tested Item(s)	(5)	(6)	MDL
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	2 mg/kg

测计项目 Togtod Home(c)	结果	方法检测限	
测试项目 Tested Item(s)	(7)	(8)	MDL
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	2 mg/kg

湖)-215日 175-45 1 14(-)	结果〕	方法检测限	
测试项目 Tested Item(s)	(9)	(10)	MDL
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	2 mg/kg

湖()	结果	方法检测限	
测试项目 Tested Item(s)	(11)	(12)	MDL
铅 Lead (Pb)	N.D.	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	2 mg/kg

测沙疗 日 (15	结果 Result		方法检测限	
测试项目 Tested Item(s)	(13)	(14)	MDL	
铅 Lead (Pb)	N.D.	15 mg/kg	2 mg/kg	
镉 Cadmium (Cd)	N.D.	3 mg/kg	2 mg/kg	
汞 Mercury (Hg)	N.D.	N.D.	2 mg/kg	
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	N.D.	2 mg/kg	



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测少面目 Tosted Item(s)	结果 Res	sult	方法检测限
测试项目 Tested Item(s)	(5)	(6)	MDL
多溴联苯 Polybrominated Biphenyls(PB	BBs)		(41)
一溴联苯 Monobromobiphenyl	N.D.	N.D.	5 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 E	thers(PBDEs)		
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg















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湖上在日 四十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	结果 Res	sult	方法检测限
测试项目 Tested Item(s)	(7)	(8)	MDL
多溴联苯 Polybrominated Biphenyls(PB	BBs)		
一溴联苯 Monobromobiphenyl	N.D.	N.D.	5 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 E	thers(PBDEs)		·
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg















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测字项目 Togtod Itom(c)	结果 Res	sult	方法检测限
测试项目 Tested Item(s)	(9)	(10)	MDL
多溴联苯 Polybrominated Biphenyls(PB	BBs)		
一溴联苯 Monobromobiphenyl	N.D.	N.D.	5 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 E	thers(PBDEs)		
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg















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			1
测试项目 Tested Item(s)	结果 Result		方法检测限
	(11)	(12)	MDL
多溴联苯 Polybrominated Biphenyls(PB	BBs)		
一溴联苯 Monobromobiphenyl	N.D.	N.D.	5 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 E	thers(PBDEs)		
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg















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测试项目 Tested Item(s)	结果 Result		方法检测限
	(13)	(14)	MDL
多溴联苯 Polybrominated Biphenyls(PB	BBs)		
一溴联苯 Monobromobiphenyl	N.D.	N.D.	5 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 E	Ethers(PBDEs)		
一溴二苯醚 Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg















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

- 银色金属线 Silvery metal wire
- 银色金属线 Silvery metal wire (2)
- 银色金属线 Silvery metal wire
- (4) 银色金属线 Silvery metal wire
- (5) 银色薄膜 Silvery film
- 银色液体 Silvery liquid (6)
- (7) 黑色油墨 Black ink

- (8) 黑色胶带 Black adhesive tape
- 黄色胶带 Yellow adhesive tape (9)
- 白色树脂 White resin (10)
- (11)黄色树脂 Yellow resin
- 黑色树脂 Black resin (12)
- 红棕色树脂 Red-brown resin (13)
- (14)黄色塑料颗粒 Yellow plastic grains

对于检测铅,镉,汞之样品已完全溶解。 注释:

-N.D. = 未检出 (小于方法检测限)

-mg/kg = ppm = 百万分之几

-阴性表示不含有六价铬, 由表面积为 50cm2 的样品所萃取出来的溶液中的六价铬的浓 度小于 0.02mg/kg

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

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm² sample surface area used...

备注: 报告编号中"E"表示此报告为中英文对照版本。

Remark: The end sign of report number E represents the bilingual version.



E-mail:info@cti-cert.com



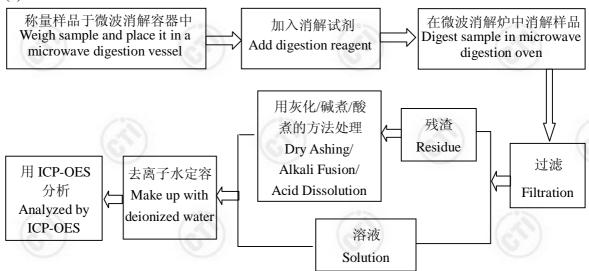
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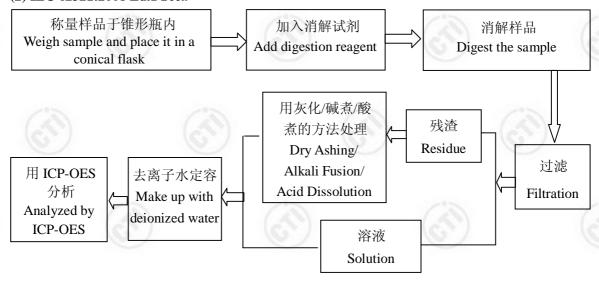
检测流程 Test Process

1. 铅 Lead(Pb), 镉 Cadmium(Cd)

(1) IEC 62321:2008 Ed.1 Sec.8



(2) IEC 62321:2008 Ed.1 Sec.9





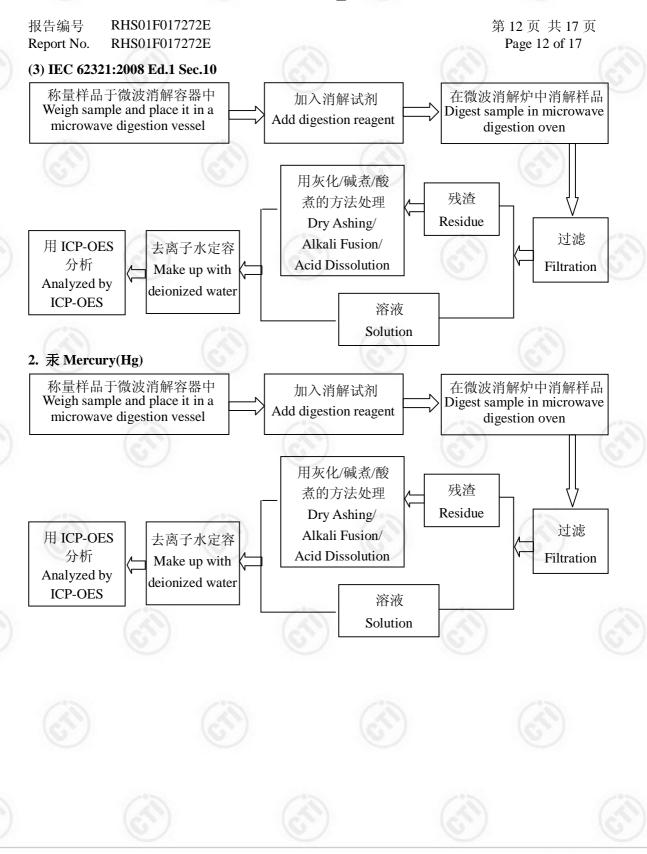










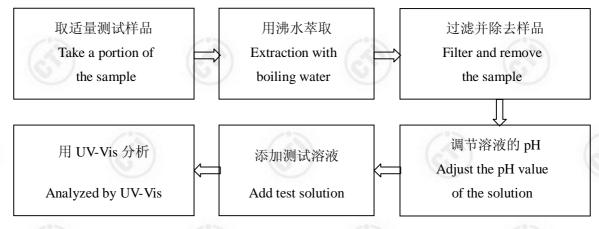




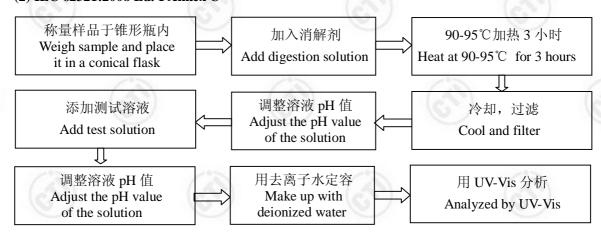
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3. 六价铬 Hexavalent Chromium (Cr(VI))

(1) IEC 62321:2008 Ed. 1 Annex B



(2) IEC 62321:2008 Ed. 1 Annex C

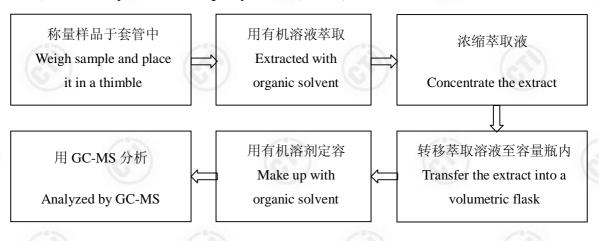






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多溴联苯 Polybrominated Biphenyls(PBBs),
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)









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样品图片

Photo(s) of the sample(s)

(1)

(2)



(3)

(4)





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样品图片

Photo(s) of the sample(s)

(7)

(8)





(9)

(10)





(11)

(12)





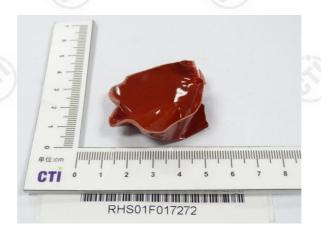


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样品图片

Photo(s) of the sample(s)

(13)



(14)



*** 报告结束 *** *** End of Report ***

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