



TEST REPORT

Report No.: 2406X64669A

Date: October 11, 2024

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Xiamen JZCX Industry Co., Ltd

厦门集智创想工业有限公司

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厦门市思明区龙山中路70号3305室

Report on the submitted samples said to be:

委托检测的样品及申请者对样品的说明如下：

Sample Description:

样品描述：

The film boasts ultra-high transmittance of over 96%, excellent release properties, and high success rates for 3D printing

该离型膜，透光率高达96%以上，展现超高清晰度。其离型效果优良，确保3D打印成功率，是理想的3D打印辅助材料。

Sample Receiving Date:

收样日期:

September 29, 2024

2024年09月29日

Testing Period:

测试周期:

September 29, 2024 - October 11, 2024

2024年09月29日 - 2024年10月11日

Result:

测试结果:

Please refer to next page(s).

请参见后续页。

Signed for and on behalf of BACL (BACL 授权签名)

Checked by:

审核:

Mila 潘惠珍

Mila Pan-潘惠珍

Approved by:

核准:

Fedor 张成

Fedor Zhang-张成

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Summary of Test Result:

测试结果概要:

TEST REQUEST

测试要求

A RoHS Directive 2011/65/EU and its amendment directives (EU) 2015/863
RoHS指令2011/65/EU及其修正指令(EU) 2015/863

A.1 Wet Chemical Testing

湿化学测试

A.1.1 Total Lead Content

总铅含量

A.1.2 Total Cadmium Content

总镉含量

A.1.3 Total Mercury Content

总汞含量

A.1.4 Chromium VI (Cr(VI)) Content

六价铬(CrVI)含量

A.1.5 PBBs & PBDEs content

多溴联苯和多溴二苯醚含量

A.2 Phthalates(DBP, BBP, DEHP, DIBP)content

邻苯二甲酸酯 (DBP, BBP, DEHP, DIBP) 含量

CONCLUSION

结论

Pass

合格

Please refer to next page(s).

请参见后续页。

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Result:

测试结果:

Tested part(s):

测试部位:

(1) Transparent plastic film

透明塑料膜

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A RoHS Directive 2011/65/EU and its amendment directives (EU) 2015/863

RoHS指令2011/65/EU及其修正指令(EU) 2015/863

A.1 Wet Chemical Testing

湿化学测试

A.1.1 Total Lead Content

总铅含量

Test Method/测试方法: IEC 62321-5:2013

Item 项目	Unit 单位	RL	Result 测试结果	Limit 限量
			(1)	
Lead(Pb) 铅	mg/kg	10	N.D.	1000
Conclusion 结论	/	/	Pass 合格	/

A.1.2 Total Cadmium Content

总镉含量

Test Method/测试方法: IEC 62321-5:2013

Item 项目	Unit 单位	RL	Result 测试结果	Limit 限量
			(1)	
Cadmium(Cd) 镉	mg/kg	10	N.D.	100
Conclusion 结论	/	/	Pass 合格	/

A.1.3 Total Mercury Content

总汞含量

Test Method/测试方法: IEC 62321-4:2013+AMD1:2017

Item 项目	Unit 单位	RL	Result 测试结果	Limit 限量
			(1)	
Mercury(Hg) 汞	mg/kg	10	N.D.	1000
Conclusion 结论	/	/	Pass 合格	/

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A.1.4 Chromium VI (Cr(VI)) Content

六价铬(CrVI)含量

Test Method/测试方法: IEC 62321-7-2:2017

Item 项目	Unit 单位	RL	Result 测试结果	Limit 限量
			(1)	
hexavalent chromium(Cr(VI)) 六价铬	mg/kg	10	N.D.	1000
Conclusion 结论	/	/	Pass 合格	/

A.1.5 PBBs & PBDEs content

多溴联苯和多溴二苯醚含量

Test Method/测试方法: IEC 62321-6:2015

Item 项目	Unit 单位	RL	Result 测试结果	Limit 限量
			(1)	
Monobromobiphenyl (MonoBB) 一溴联苯	mg/kg	100	N.D.	-
Dibromobiphenyl(DiBB) 二溴联苯	mg/kg	100	N.D.	-
Tribromobiphenyl(TriBB) 三溴联苯	mg/kg	100	N.D.	-
Tetrabromobiphenyl(TetraBB) 四溴联苯	mg/kg	100	N.D.	-
Pentabromobiphenyl(PentaBB) 五溴联苯	mg/kg	100	N.D.	-
Hexabromobiphenyl(HexaBB) 六溴联苯	mg/kg	100	N.D.	-
Heptabromobiphenyl (HeptaBB) 七溴联苯	mg/kg	100	N.D.	-
Octabromobiphenyl(OctaBB) 八溴联苯	mg/kg	100	N.D.	-
Nonabromobiphenyl(NonaBB) 九溴联苯	mg/kg	100	N.D.	-
Decabromobiphenyl(DecaBB) 十溴联苯	mg/kg	100	N.D.	-
Monobromodiphenyl ether (MonoBDE) 一溴二苯醚	mg/kg	100	N.D.	-

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Item 项目	Unit 单位	RL	Result 测试结果	Limit 限量
			(1)	
Dibromodiphenyl ether (DiBDE) 二溴二苯醚	mg/kg	100	N.D.	-
Tribromodiphenyl ether (TriBDE) 三溴二苯醚	mg/kg	100	N.D.	-
Tetrabromodiphenyl ether (TetraBDE) 四溴二苯醚	mg/kg	100	N.D.	-
Pentabromodiphenyl ether (PentaBDE) 五溴二苯醚	mg/kg	100	N.D.	-
Hexabromodiphenyl ether (HexaBDE) 六溴二苯醚	mg/kg	100	N.D.	-
Heptabromodiphenyl ether (HeptaBDE) 七溴二苯醚	mg/kg	100	N.D.	-
Octabromodiphenyl ether (OctaBDE) 八溴二苯醚	mg/kg	100	N.D.	-
Nonabromodiphenyl ether (NonaBDE) 九溴二苯醚	mg/kg	100	N.D.	-
Decabromodiphenyl ether (DecaBDE) 十溴二苯醚	mg/kg	100	N.D.	-
sum of MonoBDE, DiBDE, TriBDE, TetraBDE, PentaBDE, HexaBDE, HeptaBDE, OctaBDE, NonaBDE, DecaBDE	mg/kg	-	N.D.	1000
sum of MonoBB, DiBB, TriBB, TetraBB, PentaBB, HexaBB, HeptaBB, OctaBB, NonaBB, DecaBB	mg/kg	-	N.D.	1000
Conclusion 结论	/	/	Pass 合格	/

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Remark:

备注:

The maximum permissible limit is quoted from RoHS directive 2011/65/EU its amendment directives:

最大允许限量引用RoHS 指令 2011/65/EU及其修正指令:

RoHS Restricted Substances	Maximum Concentration Value (mg/kg)
RoHS 指令的限定物质	(by weight in homogenous materials)
	最大浓度 (mg/kg)(同种材质的重量比)

Cadmium 镉 (Cd)	100
Lead 铅 (Pb)	1000
Mercury 汞(Hg)	1000
Hexavalent Chromium 六价铬(Cr(VI))	1000
Polybrominated biphenyls 多溴联苯(PBBs)	1000
Polybrominated diphenylethers 多溴二苯醚(PBDEs)	1000

Note:

注释:

- N.D. = Not Detected or less than RL
N.D. = 未检出或小于报告限
- RL = Report Limit
RL = 报告限
- mg/kg = ppm
- The results less than RL are not taken into account while calculating the sum contents.
加和含量计算时未计入小于报告限的结果。

A.2 Phthalates(DBP, BBP, DEHP, DIBP)content

邻苯二甲酸酯 (DBP, BBP, DEHP, DIBP) 含量

Test Method/测试方法: IEC 62321-8:2017

Item 项目	Unit 单位	RL	Result 测试结果	Limit 限量
			(1)	
Dibutyl Phthalate(DBP) 邻苯二甲酸二丁酯	%	0.010	N.D.	0.1
Benzyl Butyl Phthalate(BBP) 邻苯二甲酸丁基苄基酯	%	0.010	N.D.	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP) 邻苯二甲酸二(2-乙基)己酯	%	0.010	N.D.	0.1
Diisobutyl phthalate(DIBP) 邻苯二甲酸二异丁酯	%	0.010	N.D.	0.1
Conclusion 结论	/	/	Pass 合格	/

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Note:

注释:

- N.D. = Not Detected or less than RL
N.D. = 未检出或小于报告限
- RL = Report Limit
RL = 报告限
- 0.1% = 1000mg/kg, mg/kg = ppm

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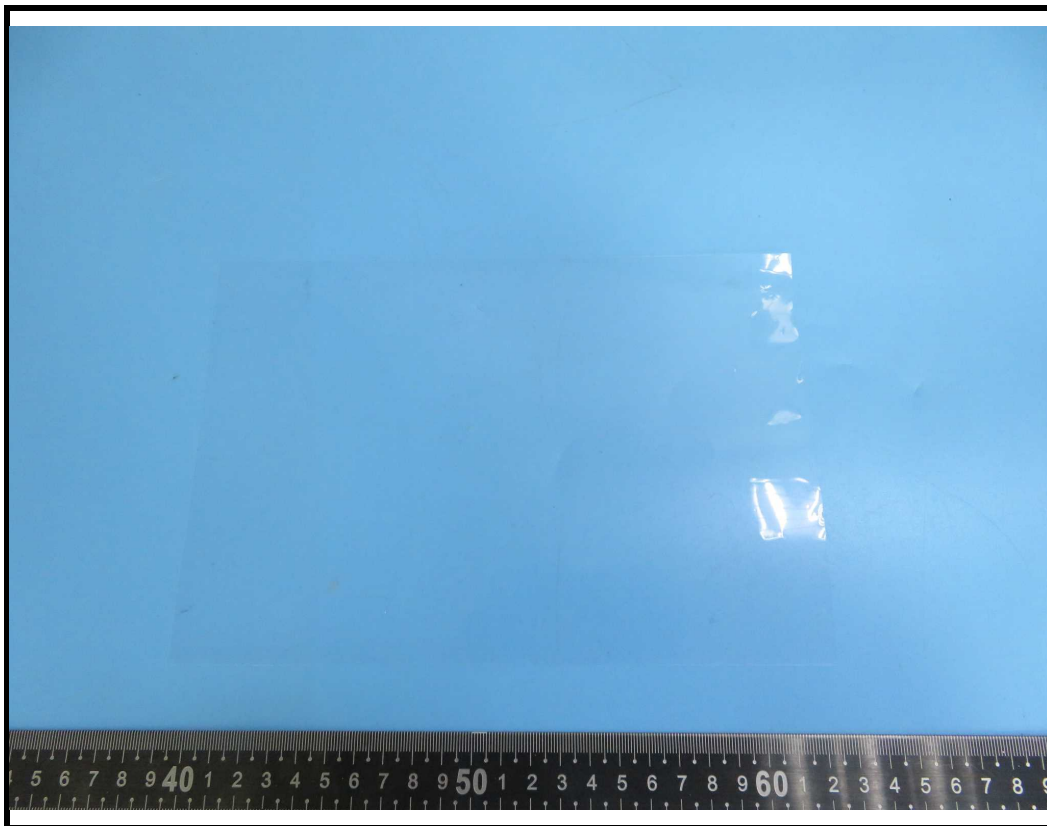
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Photograph of Sample

样品照片



BACL authenticate the photo on original report only
此图片仅限于随 BACL 正本报告使用

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- 6.The test samples were in good condition before testing.
在进行测试前，测试样品已确认状态完好。
- 7.The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
本报告给出的扩展不确定度是由合成标准不确定度乘以包含概率约为95%时对应的包含因子k得到的。
- 8.本报告中的数据结果用于学习、研究、内部质量控制、产品研发、科研，教学等目的。

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