



TEST REPORT

Report No.: 2501A89316A

Date: December 21, 2025

Page 1 of 7

Shenzhen Tuozhu Technology Co., Ltd.

深圳拓竹科技有限公司

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Shengang Cooperation Zone, Shenzhen

深圳市前海深港合作区南山街道临海大道2228号恒昌科技大厦西区903

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: PLA Matte

样品描述：3D打印线材

Style/Item No.: A01-P4

型号：

Sample Receiving Date: December 10, 2025

收样日期：2025年12月10日

Testing Period: December 10, 2025 - December 18, 2025

测试周期：2025年12月10日 - 2025年12月18日

Result: Please refer to next page(s).

测试结果：请参见后续页。

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

Checked by:

审核:

Queenie Lee 李慧君

Queenie Lee 李慧君

Approved by:

核准:

Len xie 谢创

Len xie 谢创

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Date: December 21, 2025

Page 2 of 7

Summary of Test Result:

测试结果概要:

TEST REQUEST

测试要求

CONCLUSION

结论

A. 40 CFR 751-Regulation of Certain Chemical Substances and Mixtures Under Section 6 of the Toxic Substances Control Act

40 CFR 751-《有毒物质控制法》第6节对某些化学物质和混合物的规定

A.1 Decabromodiphenyl ether(DecaBDE) content

十溴二苯醚含量

Pass

合格

A.2 Phenol, isopropylated phosphate (3:1) (PIP (3:1))content

异丙基化磷酸三苯酯含量

Pass

合格

A.3 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) content

2,4,6 三-叔丁基苯酚含量

Pass

合格

A.4 Pentachlorothiophenol (PCTP) content

五氯硫酚含量

Pass

合格

A.5 Hexachlorobutadiene (HCBd) content

六氯丁二烯含量

Pass

合格

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TEST REPORT

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Page 3 of 7

Result:

测试结果:

Tested part(s):

测试部位:

(1) Purple plastic (wire)

紫色塑胶 线材

TEST REPORT

Report No.: 2501A89316A

Date: December 21, 2025

Page 4 of 7

A. 40 CFR 751-Regulation of Certain Chemical Substances and Mixtures Under Section 6 of the Toxic Substances Control Act

40 CFR 751-《有毒物质控制法》第6节对某些化学物质和混合物的规定

A.1 Decabromodiphenyl ether(DecaBDE) content

十溴二苯醚含量

Test Method: solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

测试方法: 溶剂萃取, 采用气相色谱质谱联用仪(GC-MS)进行分析。

Item 项目	Unit 单位	MDL	Result 测试结果	Limit 限量
			(1)	
Decabromodiphenyl ether (DecaBDE) 十溴二苯醚	mg/kg	5	N.D.	N.D.
Conclusion 结论	/	/	Pass 合格	/

A.2 Phenol, isopropylated phosphate (3:1) (PIP (3:1))content

异丙基化磷酸三苯酯含量

Test Method: solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

测试方法: 溶剂萃取, 采用气相色谱质谱联用仪(GC-MS)进行分析。

Item 项目	Unit 单位	MDL	Result 测试结果	Limit 限量
			(1)	
Phenol, isopropylated phosphate (3:1)(PIP (3:1)) 异丙基化磷酸三苯酯	mg/kg	5	N.D.	N.D.
Conclusion 结论	/	/	Pass 合格	/

A.3 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) content

2,4,6 三-叔丁基苯酚含量

Test Method: solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

测试方法: 溶剂萃取, 采用气相色谱质谱联用仪(GC-MS)进行分析。

Item 项目	Unit 单位	MDL	Result 测试结果	Limit 限量
			(1)	
2,4,6-tri-tert-butylphenol(2,4,6-TTBP) 2,4,6 三-叔丁基苯酚	mg/kg	50	N.D.	3000
Conclusion 结论	/	/	Pass 合格	/

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Page 5 of 7

A.4 Pentachlorothiophenol (PCTP) content

五氯硫酚含量

Test Method: solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

测试方法: 溶剂萃取, 采用气相色谱质谱联用仪(GC-MS)进行分析。

Item 项目	Unit 单位	MDL	Result 测试结果	Limit 限量
			(1)	
Pentachlorothiophenol(PCTP) 五氯硫酚	mg/kg	50	N.D.	10000
Conclusion 结论	/	/	Pass 合格	/

A.5 Hexachlorobutadiene (HCBd) content

六氯丁二烯含量

Test Method: solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

测试方法: 溶剂萃取, 采用气相色谱质谱联用仪(GC-MS)进行分析。

Item 项目	Unit 单位	MDL	Result 测试结果	Limit 限量
			(1)	
Hexachlorobutadiene(HCBd) 六氯丁二烯	mg/kg	5	N.D.	N.D.
Conclusion 结论	/	/	Pass 合格	/

Note:

- N.D.= Not Detected or less than MDL

- MDL = Method Detection Limit.

注释:

- N.D.=未检出或小于方法检出限

- MDL = 方法检出限。

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Page 6 of 7

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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Page 7 of 7

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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.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。

*** End of Report ***

*** 报告结束***

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