TEST REPORT
检测报告

Applicant	:	**SHENZHEN CITY XINCAIYANG TECHNOLOGY CO.,LTD**
申请商	:	**深圳市鑫彩扬科技有限公司**
Address	:	**101, No.15 Liansheng Road, Liulian Community, Pingdi Street, Longgang District, Shenzhen**
地址	:	**深圳市龙岗区坪地街道六联社区联盛路 15 号 101**
Manufacturer	:	**SHENZHEN CITY XINCAIYANG TECHNOLOGY CO.,LTD**
制造商	:	**深圳市鑫彩扬科技有限公司**
Address	:	**101, No.15 Liansheng Road, Liulian Community, Pingdi Street, Longgang District, Shenzhen**
地址	:	**深圳市龙岗区坪地街道六联社区联盛路 15 号 101**
Sample Name	:	**Bags made of PLA & PBAT biobased polymer**
样品名称	:	**PLA+PBAT 生物基高分子材料袋**

The above samples and information are provided by the customer.
以上样品及信息由客户提供。

Date of Sample Received	:	September 07, 2026
收样日期	:	2026 年 09 月 07 日
Testing Period	:	September 07, 2026 ~ September 16, 2026
测试周期	:	2026 年 09 月 07 日~ 2026 年 09 月 16 日
Results	:	Please refer to next page(s).
测试结果	:	参见后续页。

****

TEST REQUEST **测试要求**	**CONCLUSION** **结论**
Regulation (EU) 2025/40 Packaging and Packaging Waste Regulation(PPWR) -Lead (Pb), Cadmium(Cd), Mercury (Hg) and Hexavalent Chromium (Cr^{6+}) Content 欧盟法规 (EU) 2025/40 包装与包装废弃物管理法规（PPWR） - 铅(Pb)，镉(Cd)，汞(Hg)和六价铬(Cr^{6+})含量	**Pass** **（符合）**

****

Approved signatory of AZT
AZT 批准签署人

Jack Zhong
钟成强

Test Results:
测试结果

A.1. Lead (Pb) , Cadmium (Cd), Mercury (Hg) and Hexavalent Chromium (Cr(Ⅵ)) Content
A.1. 铅(Pb)，镉(Cd)，汞(Hg)和六价铬 (Cr(Ⅵ))含量

Test method:
测试方法:

Lead & Cadmium Content: With reference to IEC 62321-5:2013 , analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES)/ Atomic Absorption Spectrometer(AAS).
铅和镉含量：参考 IEC 62321-5:2013，使用电感耦合等离子体发射光谱仪（ICP-OES）/原子吸收光谱仪(AAS)进行检测。

Mercury Content: With reference to IEC 62321-4:2013+AMD1:2017 CSV , analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).
汞含量：参考 IEC 62321-4:2013+AMD1:2017 CSV，使用电感耦合等离子体发射光谱仪（ICP-OES）进行检测。

Hexavalent Chromium Content: With reference to IEC 62321-7-2:2017, analysis was performed by UV-visible spectrophotometer (UV-Vis).
六价铬含量：参考 IEC 62321-7-2:2017，使用紫外-可见分光光度计（UV-Vis）进行检测。

Test Items 测试项目	Unit 单位	MDL	Results 结果					Limit 限值
			01	02	03	04	05	
Lead (Pb) 铅(Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Cadmium (Cd) 镉(Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Mercury (Hg) 汞(Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Hexavalent Chromium (Cr(Ⅵ)) 六价铬(Cr(VI))	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Total(Cd+Pb+Hg+Cr^{6+}) 总和(Cd+Pb+Hg+Cr^{6+})	mg/kg	--	N.D.	N.D.	N.D.	N.D.	N.D.	100

Test Items 测试项目	Unit 单位	MDL	Results 结果					Limit 限值
			06	07	08	09	10	
Lead (Pb) 铅(Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Cadmium (Cd) 镉(Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Mercury (Hg) 汞(Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Hexavalent Chromium (Cr(Ⅵ)) 六价铬(Cr(VI))	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Total(Cd+Pb+Hg+Cr^{6+}) 总和(Cd+Pb+Hg+Cr^{6+})	mg/kg	--	N.D.	N.D.	N.D.	N.D.	N.D.	100

Test Items 测试项目	Unit 单位	MDL	Results 结果					Limit 限值
			11	12	13	14	15	
Lead (Pb) 铅(Pb)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Cadmium (Cd) 镉(Cd)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Mercury (Hg) 汞(Hg)	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Hexavalent Chromium (Cr(Ⅵ)) 六价铬(Cr(VI))	mg/kg	2	N.D.	N.D.	N.D.	N.D.	N.D.	--
Total(Cd+Pb+Hg+Cr^{6+}) 总和(Cd+Pb+Hg+Cr^{6+})	mg/kg	--	N.D.	N.D.	N.D.	N.D.	N.D.	100

Note:
注释：

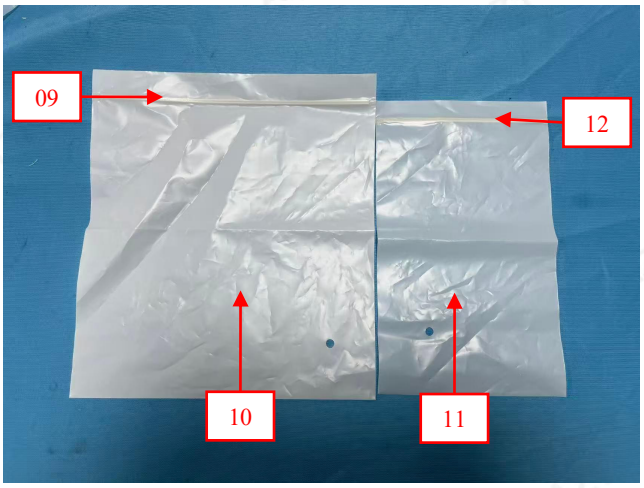
- N.D. = Not Detected or less than MDL
  N.D. = 未检出或低于检出限
- MDL = Method Detection Limit
  MDL = 方法检出限
- mg/kg = ppm
  毫克每千克 = ppm
- Results shown as N.D. are ignored in the sum calculation.
  结果显示为 N.D.不计入总和的计算。
- The detected Chromium (Cr) content is "N.D.", therefore, the Hexavalent Chromium (Cr (VI)) content is "N.D.", No need for validation test of the Hexavalent Chromium (Cr (VI)).
  检测的铬（Cr）含量是“N.D.”，则六价铬（Cr(VI)）含量也是“N.D.”，不需要进行六价铬（Cr(VI)）的确认性测试。
- If Chromium (Cr) content exceeds Hexavalent Chromium (Cr (VI)) method detection limit, Validation test of the Hexavalent Chromium (Cr (VI)) is required.
  若铬（Cr）含量超过六价铬（Cr(VI)）方法检出限，需要进行六价铬（Cr(VI)）的确认性测试。

Test Material List:
测试材料清单：

No.	Sample Description 样品描述	Location 测试位置	Remark 备注
01	Transparent plastic 透明塑料	Refer to photo 详见照片	/
02	White transparent plastic with black printing white glue 白色半透明塑料带黑色印刷带胶	Refer to photo 详见照片	/
03	White transparent plastic with black printing white glue 白色半透明塑料带黑色印刷带胶	Refer to photo 详见照片	/
04	Transparent plastic 透明塑料	Refer to photo 详见照片	/
05	Transparent plastic 透明塑料	Refer to photo 详见照片	/
06	White transparent plastic with black printing white glue 白色半透明塑料带黑色印刷带胶	Refer to photo 详见照片	/
07	White transparent plastic with black printing white glue 白色半透明塑料带黑色印刷带胶	Refer to photo 详见照片	/
08	Transparent plastic 透明塑料	Refer to photo 详见照片	/
09	Translucent soft plastic 半透明软塑料	Refer to photo 详见照片	/
10	White plastic 白色塑料	Refer to photo 详见照片	/
11	White plastic 白色塑料	Refer to photo 详见照片	/
12	Translucent soft plastic 半透明软塑料	Refer to photo 详见照片	/
13	White translucent plastic 白色半透明塑料	Refer to photo 详见照片	/
14	Translucent plastic 半透明塑料	Refer to photo 详见照片	/
15	Transparent plastic 透明塑料	Refer to photo 详见照片	/

Remark:
备注：
- Tested part(s) was/were specified by client
  测试部位由客户指定
- Photo appendix is included
  图片见附录

The photo of the sample
样品图片



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

Declaration: Report No.AZT260907044C-B0 was repealed and replaced by report No.AZT260907044C-B1.
声明：报告 AZT260907044C-B0 作废，由报告 AZT260907044C-B1 所取代。

Statement:
声明:

1. This test report is invalid without the signature of the approver and the special seal of the company's report.
   本检测报告无批准人签字、加盖公司报告专用章无效。
2. Duplication of this Test Report is invalid unless it is re-stamped with the "Inspection and Testing Special Seal", "Testing Special Seal", or the official seal of the testing institution.
   复制本检测报告，未重新加盖“检验检测专用章”或“检测专用章”或检测单位公章时，复制报告无效。
3. After the test report is altered, the test report is invalid.
   对本检测报告涂改后，则检测报告无效。
4. If there is any objection to the test report, please submit written comments to the laboratory within 15 days from the date of receipt of the report.
   对本检测报告若有异议，请于收到报告之日起十五日内向本实验室提出书面意见，逾期不予受理。
5. This test is only responsible for samples provided by customers.
   本次检测仅对客户提供的样品负责。
6. This report shall not be reproduced in whole or in part without the written authorization of the Company.
   未经本公司书面授权，不得整体或部分复制本报告。
7. The laboratory is not responsible for sampling, all samples are provided by customers.
   本实验室不负责抽样，所有样品均为客户提供。
8. The test results in this test report are only related to the samples provided by the customer.
   本检验报告出现的检测结果仅与客户提供的样品有关。
9. If this test report is not stamped with the CMA mark seal, only for customer research, teaching, internal quality control, product development and other activities.It is for internal reference only and does not serve as proof to society.
   本检测报告未加盖资质认定(CMA)标志，仅用于客户科研、教学、内部质量控制、产品研发等目的，仅供内部参考，不具有对社会的证明作用。

*** End of Report ***
*** 报告结束 ***

.