TEST REPORT
检测报告

Applicant	:	**ANHUI BOXING MACHINERY CO.,LTD**
申请商	:	**安徽博行机械有限公司**
Address	:	**No.30 North of Guo'an Road Guangde Economic Development Zone,Xuancheng City,Anhui Province 242200**
地址	:	**安徽省广德县经济开发区（国安路以东）**

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 Name	:	SP-01 High Active Microbial Cleaning Solution
样品名称	:	SP-01 高活性微生物清洗液
Date of Sample Received	:	May 16, 2024
收样日期	:	2024 年 05 月 16 日
Testing Period	:	May 16, 2024 ~ May 21, 2024
测试周期	:	2024 年 05 月 16 日~2024 年 05 月 21 日
Results	:	Please refer to next page(s).
测试结果	:	参见后续页。

Signed for and on behalf of AZT
AZT 授权签名

Jack Zhong
钟成强

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TEST REQUEST
测试要求

According to the customer's request, based on the performed tests on submitted sample, the result of Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, Dibutyl Phthalate (DBP), Benzyl butyl Phthalate (BBP), Bis(2-ethylhexyl) Phthalate (DEHP), Diispbutyl phthalate (DIBP) content comply with the limit as set of RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863.

根据客户的要求，对提交样品测试铅(Pb)、镉(Cd)、汞(Hg)、六价铬(Cr(Ⅵ))、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸(2-乙基己基酯)(DEHP)、邻苯二甲酸二异丁酯（DIBP）含量，结果符合欧盟 RoHS 指令 2011/65/EU 附录Ⅱ的修正指令(EU)2015/863 的限值要求。

CONCLUSION
结论

Pass
（符合）

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（符合）

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Tested part(s)测试部位:

(1) Milky liquid 乳白色液体

Results 测试结果:

Test method:

Lead & Cadmium Content:
With reference to IEC 62321-5:2013, analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).

Mercury Content:
With reference to IEC 62321-4:2013+AMD1:2017 CSV, analysis was performed by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).

Hexavalent Chromium Content:
With reference to IEC 62321-7-2:2017, analysis was performed by UV-visible spectrophotometer (UV-Vis).

PBBs & PBDEs Content:
With reference to IEC 62321-6:2015, analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

DBP, BBP, DEHP, DIBP Content

With reference to IEC 62321-8:2017, analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

测试方法:

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）进行检测。

汞含量:
参照 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。

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。

多溴联苯、多溴二苯醚含量:
参考 IEC 62321-6:2015，使用气相色谱质谱联用仪（GC-MS）进行检测。

DBP, BBP, DEHP, DIBP 含量
参考 IEC 62321-8:2017，使用气相色谱质谱联用仪（GC-MS）进行检测。

1) The test results of Lead (Pb) , Cadmium (Cd), Mercury (Hg) and Hexavalent Chromium (Cr(Ⅵ))
1) 铅(Pb)，镉(Cd)，汞(Hg)和六价铬 (Cr(Ⅵ))测试结果

Test Items 测试项目	Unit 单位	MDL 最低检出限	Results 结果	Limit 限值
			1	
Lead (Pb) 铅(Pb)	mg/kg	10	N.D.	1000
Cadmium (Cd) 镉(Cd)	mg/kg	2	N.D.	100
Mercury (Hg) 汞(Hg)	mg/kg	10	N.D.	1000
Hexavalent Chromium (Cr(Ⅵ)) 六价铬(Cr(Ⅵ))	mg/kg	8	N.D.	1000

Note 备注:
- The sample had been dissolved totally tested for Lead, Mercury and Cadmium.
  样品已完全溶解，并进行了铅、汞和镉的测试
- MDL = Method Detection Limit
  MDL=方法检测限
- mg/kg = ppm
- N.D.=Not Detected(<MDL or LOQ)
  N.D=未检测到（<MDL 或 LOQ）

2) The test results of DBP, BBP, DEHP, DIBP, PBBs & PBDEs
2) DBP, BBP, DEHP, DIBP, PBBs 和 PBDEs 的测试结果

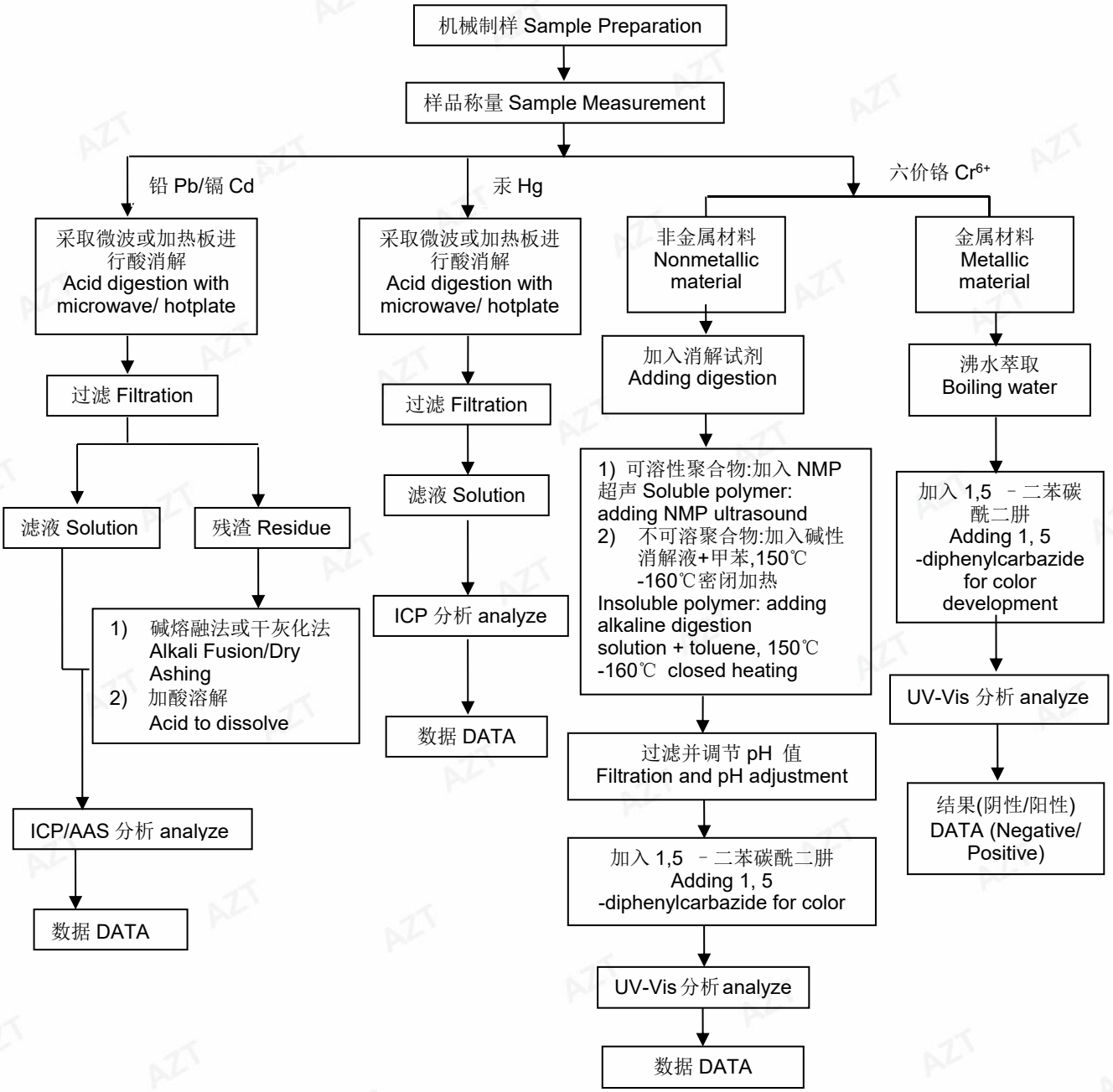
Test Items 测试项目	Unit 单位	MDL	Results 测试结果 1	Limit 限量
Dibuyl Phthalate(DBP) 邻苯二甲酸二丁酯(DBP)	mg/kg	50	N.D.	1000
Benzylbutyl Phthalate(BBP) 邻苯二甲酸丁苄酯(BBP)	mg/kg	50	N.D.	1000
Bis(2-ethylhexyl) Phthalate(DEHP) 邻苯二甲酸(2-乙基己基酯)(DEHP)	mg/kg	50	N.D.	1000
Diispbutyl phthalate(DIBP) 邻苯二甲酸二异丁酯(DIBP)	mg/kg	50	N.D.	1000
Polybrominated Biphenyls 多溴联苯(PBBs)				
Monobromobiphenyl (一溴联苯)	mg/kg	50	N.D.	/
Dibromobiphenyl (二溴联苯)	mg/kg	50	N.D.	/
Tribromobiphenyl (三溴联苯)	mg/kg	50	N.D.	/
Tetrabromobiphenyl(四溴联苯)	mg/kg	50	N.D.	/
Pentabromobiphenyl (五溴联苯)	mg/kg	50	N.D.	/
Hexabromobiphenyl (六溴联苯)	mg/kg	50	N.D.	/
Heptabromobiphenyl (七溴联苯)	mg/kg	50	N.D.	/
Octabromobiphenyl (八溴联苯)	mg/kg	50	N.D.	/
Nonabromodiphenyl (九溴联苯)	mg/kg	50	N.D.	/
Decabromodiphenyl (十溴联苯)	mg/kg	50	N.D.	/
Total content (总含量)	mg/kg	/	N.D.	1000
Polybrominated Diphenylethers 多溴二苯醚(PBDEs)				
Monobromodiphenyl ether (一溴二苯醚)	mg/kg	50	N.D.	/
Dibromodiphenyl ether (二溴二苯醚)	mg/kg	50	N.D.	/
Tribromodiphenyl ether (三溴二苯醚)	mg/kg	50	N.D.	/
Tetrabromodiphenyl ether (四溴二苯醚)	mg/kg	50	N.D.	/
Pentabromodiphenyl ether (五溴二苯醚)	mg/kg	50	N.D.	/
Hexabromodiphenyl ether (六溴二苯醚)	mg/kg	50	N.D.	/
Heptabromodiphenyl ether (七溴二苯醚)	mg/kg	50	N.D.	/
Octabromodiphenyl ether (八溴二苯醚)	mg/kg	50	N.D.	/
Nonabromodiphenyl ether (九溴二苯醚)	mg/kg	50	N.D.	/
Decabromodiphenyl ether (十溴二苯醚)	mg/kg	50	N.D.	/
Total content (总含量)	mg/kg	50	N.D.	1000

Note 注释:

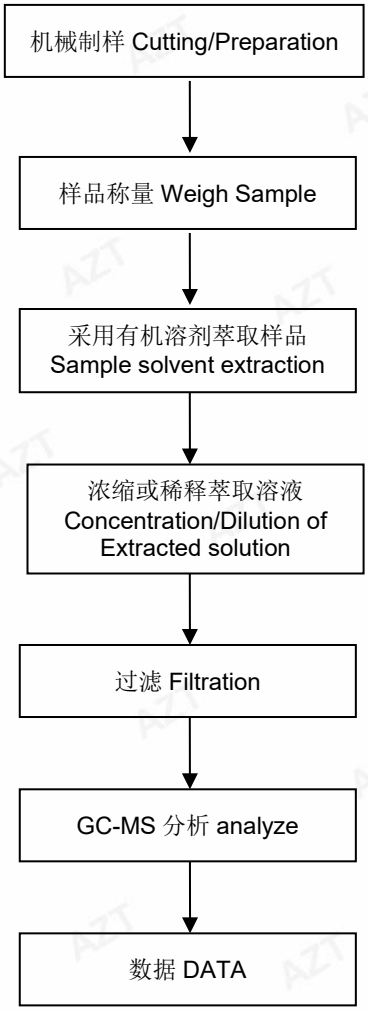
- N.D. = Not Detected or less than MDL
  N.D. = 未检出或低于检出限
- MDL = Method Detection Limit
  MDL = 方法检出限
- mg/kg = ppm
  毫克每千克 = ppm
- Tested part(s) was/were specified by client
  测试部位由客户指定
- Flow chart is included
  附测试流程图
- Photo appendix is included
  样品照片见附录

Appendix
附录

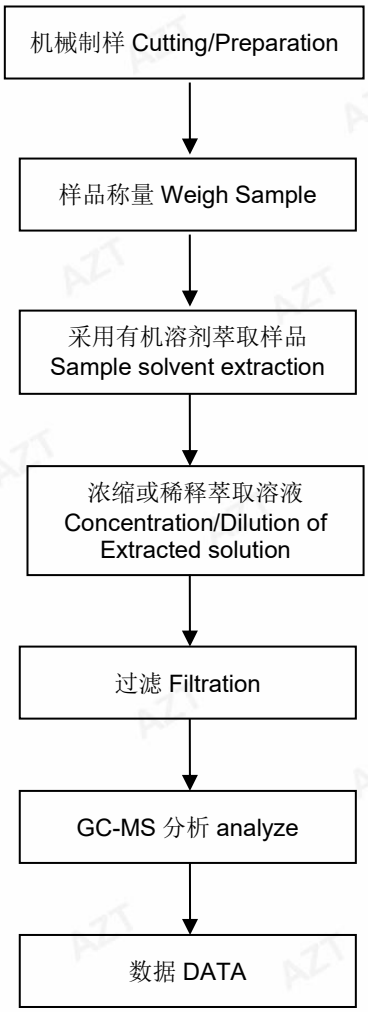
Pb/Cd/Hg/Cr^{6+} 测试流程图 Testing Flow Chart



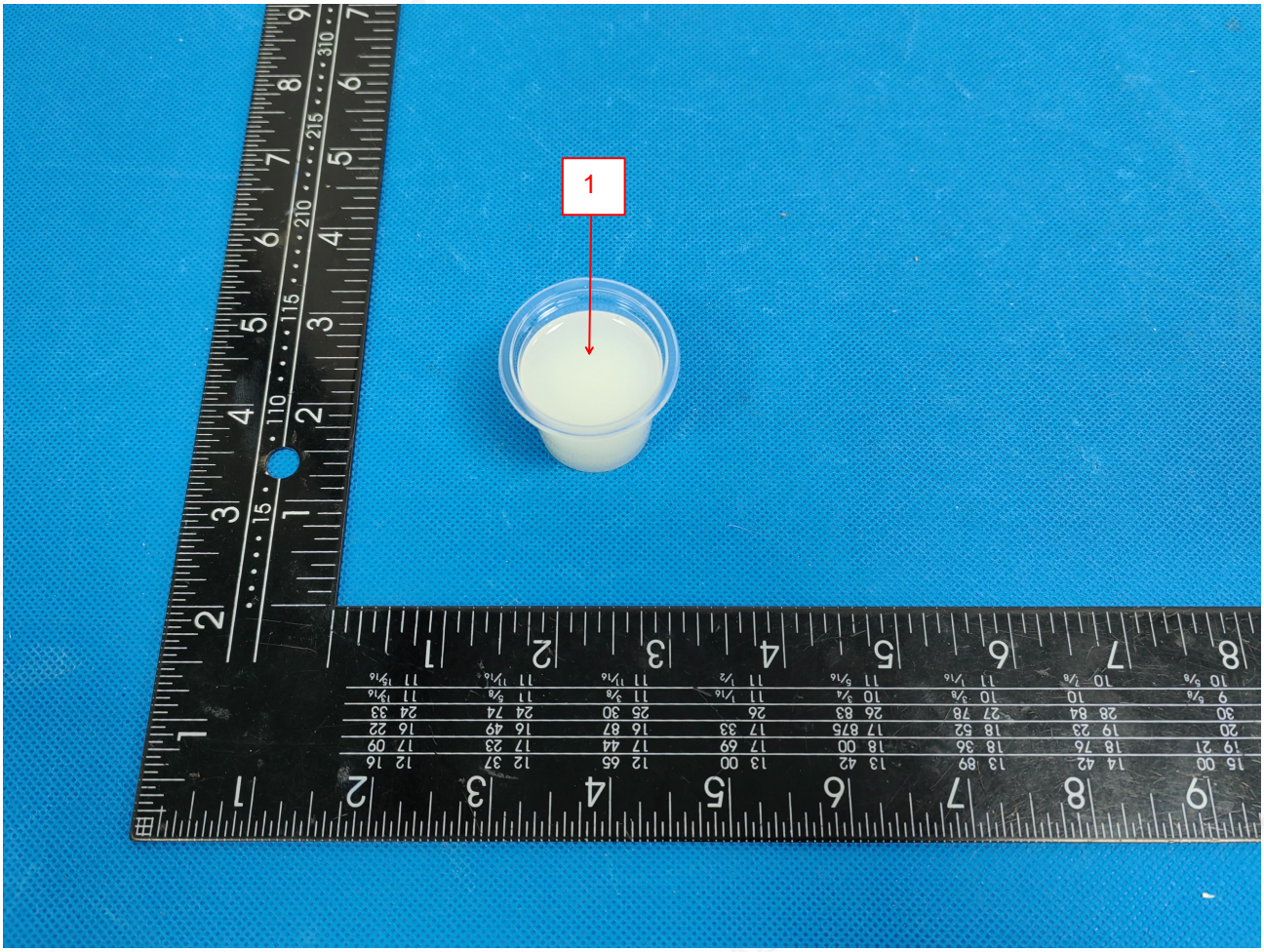
PBBs/PBDEs Testing Flow Chart
多溴联苯/多溴二苯醚 测试流程图



Phthalates Testing Flow Chart
邻苯二甲酸酯 测试流程图



The photo of the sample
样品图片



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