



# TEST REPORT

Report No.: A2005025-C01-R20

Date: May 26, 2020

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**Applicant:** Beijing TierTime Technology Co., Ltd  
**Address:** No.2 Nanyi Street, Yanqi Economic Development Zone, Huairou District, Beijing,101407, P. R. China

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client:

Sample Name	Plastic wire
Model No.	PLA Primary
Sample Received Date	May 18, 2020
Testing Period	May 19 – 26, 2020
Test Method & Test Result	Please refer to following pages.

### Test Requested

As specified by client, according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863 to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP), Di-2-ethylhexyl phthalate(DEHP) and Diisobutyl phthalate(DIBP) in the submitted sample(s).

### Result

Pass

Tested by:

*Lee L7*

Approved by:

*Anne Zhao*

Reviewed by:

*Tony Gmy*

Date of issue:

May 26, 2020



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## Tested Sample/Part Description

Milky plastic

## Test method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates(DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

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## Test Result

Tested Item(s)	Result (mg/kg)	MDL (mg/kg)	EU RoHS Limit (mg/kg)
Lead (Pb)	N.D.	2	1000
Cadmium (Cd)	N.D.	2	100
Mercury (Hg)	N.D.	2	1000
Hexavalent Chromium (Cr(VI))	N.D.	8	1000
Monobromobiphenyl (MonoBB)	N.D.	5	/
Dibromobiphenyl (DiBB)	N.D.	5	/
Tribromobiphenyl (TriBB)	N.D.	5	/
Tetrabromobiphenyl (TetraBB)	N.D.	5	/
Pentabromobiphenyl (PentaBB)	N.D.	5	/
Hexabromobiphenyl (HexaBB)	N.D.	5	/
Heptabromobiphenyl (HeptaBB)	N.D.	5	/
Octabromobiphenyl (OctaBB)	N.D.	5	/
Nonabromobiphenyl (NonaBB)	N.D.	5	/
Decabromobiphenyl (DecaBB)	N.D.	5	/
Sum of polybrominated biphenyls (PBBs)	N.D.	/	1000
Monobromodiphenyl ether (MonoBDE)	N.D.	5	/
Dibromodiphenyl ether (DiBDE)	N.D.	5	/
Tribromodiphenyl ether (TriBDE)	N.D.	5	/
Tetrabromodiphenyl ether (TetraBDE)	N.D.	5	/
Pentabromodiphenyl ether (PentaBDE)	N.D.	5	/
Hexabromodiphenyl ether (HexaBDE)	N.D.	5	/
Heptabromodiphenyl ether (HeptaBDE)	N.D.	5	/
Octabromodiphenyl ether (OctaBDE)	N.D.	5	/
Nonabromodiphenyl ether (NonaBDE)	N.D.	5	/
Decabromodiphenyl ether (DecaBDE)	N.D.	5	/
Sum of polybrominated diphenyl ethers (PBDEs)	N.D.	/	1000
Dibutyl phthalate (DBP)	N.D.	50	1000
Benzylbutyl phthalate (BBP)	N.D.	50	1000
Di-2-ethylhexyl phthalate (DEHP)	N.D.	50	1000
Diisobutyl phthalate (DIBP)	N.D.	50	1000

**Remark:** MDL = Method Detection Limit  
N.D. = Not Detected (<MDL)  
mg/kg = ppm = parts per million

Shenzhen Alpha Product Testing Co., Ltd.

Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China



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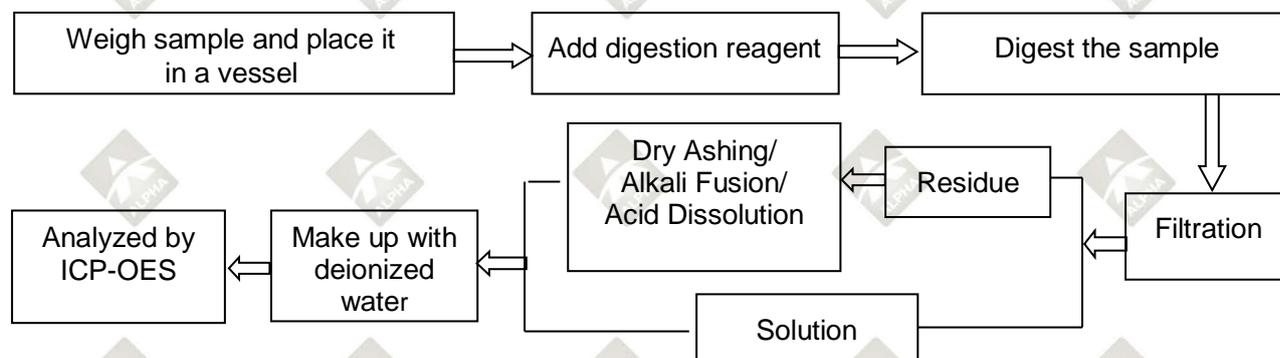
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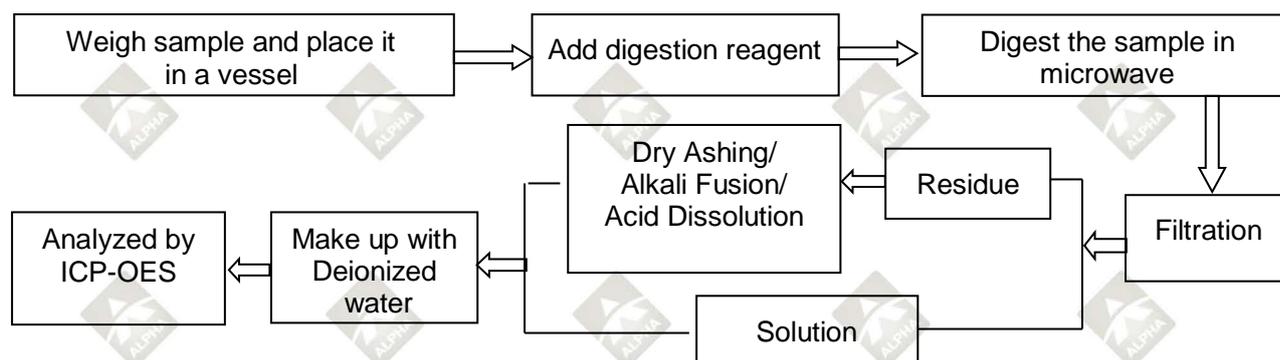
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## Test Process

### 1. Lead(Pb), Cadmium(Cd), Chromium(Cr)

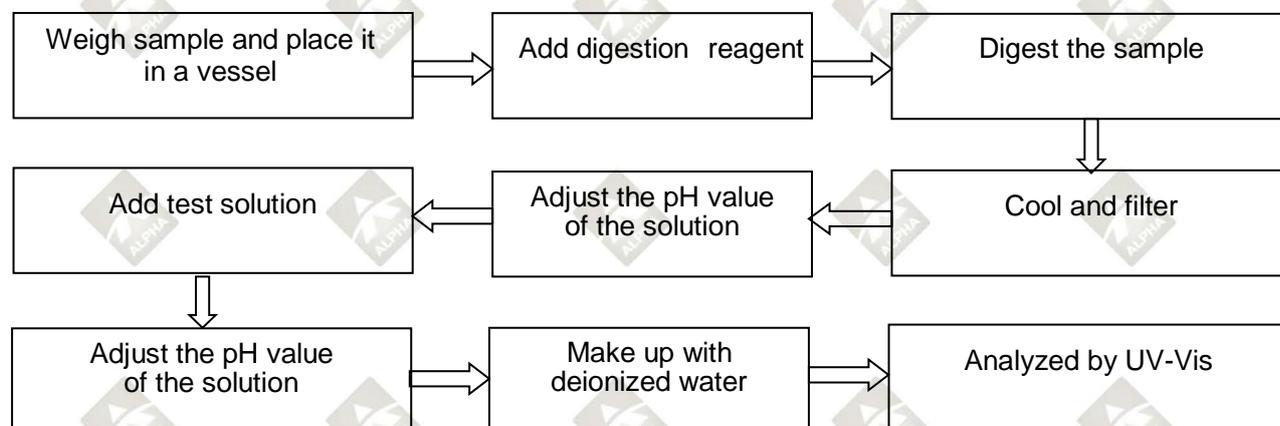


### 2. Mercury(Hg)



### 3. Hexavalent Chromium (Cr (VI))

(1) IEC 62321-7-2:2017





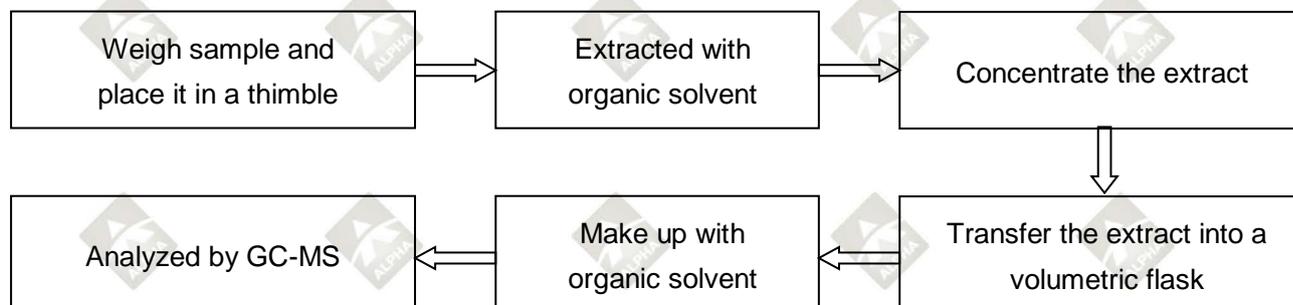
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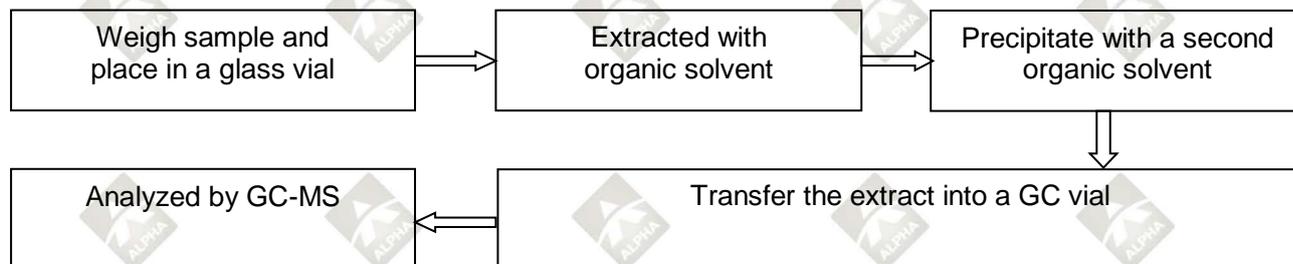
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## 4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



## 5. Phthalates(DBP/BBP/DEHP/DIBP)



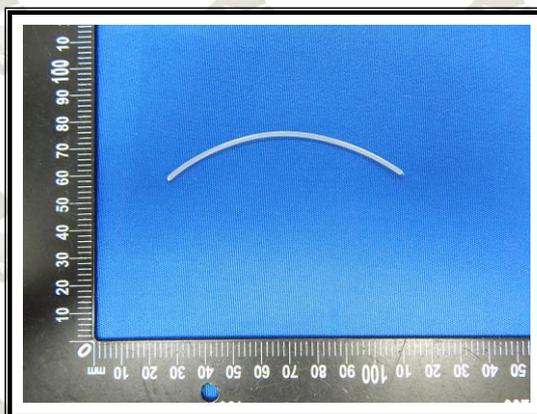
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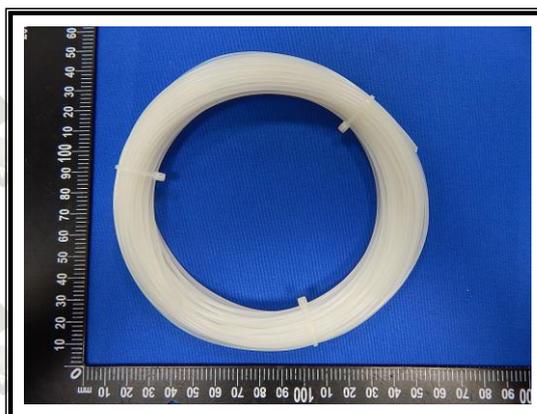
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## Tested sample photo(s)



## Reference sample photo(s)



--- End of report ---

### Statement:

1. The sample(s) and sample Information was/were provided by the client who should be responsible for the authenticity which ALPHA hasn't verified;
2. The result(s) shown in this report refer(s) only to the sample(s) tested;
3. Without written approval of ALPHA, this report can't be reproduced except in full.