

# Test Report

Report No.: U10208251211607-4E

Query Password: QW4634

Date: Dec. 17, 2025

Page 1 of 7

**Applicant:** Dongguan Puyao plastic and Electronic Materials Co., Ltd.**Contact information:** 1 Su Hang Market Road, so hang, Changping, new Dongguan**The following sample(s) was (were) submitted and identified by client as:**

Sample Name : PE pipe  
Received Date : Dec. 11, 2025  
Testing Period : From Dec. 15, 2025 to Dec. 17, 2025  
Test Request : Please refer to next page(s).  
Test Result(s) : Please refer to next page(s).

Shen Zhen UONE Test Co., LTD.

Approved by



Mars Dong

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Report No.: U10208251211607-4E

Query Password: QW4634

Date: Dec. 17, 2025

Page 2 of 7

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**Summary of test results:****TEST REQUEST**

- (1) RoHS Directive 2011/65/EU and its subsequent amendments Directive (EU) 2015/863  
Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)),  
Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs),  
Phthalates (DBP, BBP, DEHP, DIBP)

**CONCLUSION****PASS**

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# Test Report

Report No.: U10208251211607-4E

Query Password: QW4634

Date: Dec. 17, 2025

Page 3 of 7

## Test Material List

Material No.	Description (Location)
1	Transparent soft plastic

## Test Result(s):

**(1) Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP)**

**(1.1) Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI))**

Test Method: With reference to IEC 62321-5: 2013, IEC62321-4: 2013+A1:2017, IEC 62321-7-1: 2015 or IEC 62321-7-2: 2017, was analyzed by ICP-OES & UV-Vis.

Test Items	Unit	MDL	Limit	Test result
				1
Lead (Pb)	mg/kg	2	1000	N.D.
Cadmium (Cd)	mg/kg	2	100	N.D.
Mercury (Hg)	mg/kg	2	1000	N.D.
Hexavalent Chromium(Cr(VI))	mg/kg	8	1000	N.D.
<b>Conclusion</b>				PASS

**(1.2) Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs)**

Test Method: With reference to IEC 62321-6:2015, was analyzed by Gas Chromatographic - Mass Spectrometer (GC-MS).

Test Items	Unit	MDL	Limit	Test result
				1
Mono-bromobiphenyl	mg/kg	5	/	N.D.
Di-bromobiphenyl	mg/kg	5	/	N.D.
Tri-bromobiphenyl	mg/kg	5	/	N.D.
Tetra-bromobiphenyl	mg/kg	5	/	N.D.
Penta-bromobiphenyl	mg/kg	5	/	N.D.
Hexa-bromobiphenyl	mg/kg	5	/	N.D.
Hepta-bromobiphenyl	mg/kg	5	/	N.D.

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Report No.: U10208251211607-4E

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Date: Dec. 17, 2025

Page 4 of 7

Test Items	Unit	MDL	Limit	Test result
				1
Octa-bromobiphenyl	mg/kg	5	/	N.D.
Nona-bromobiphenyl	mg/kg	5	/	N.D.
Deca-bromobiphenyl	mg/kg	5	/	N.D.
<b>Polybrominated Biphenyls (PBBs)</b>	mg/kg	/	1000	N.D.
Mono-bromodiphenyl ether	mg/kg	5	/	N.D.
Di-bromodiphenyl ether	mg/kg	5	/	N.D.
Tri-bromodiphenyl ether	mg/kg	5	/	N.D.
Tetra-bromodiphenyl ether	mg/kg	5	/	N.D.
Penta-bromodiphenyl ether	mg/kg	5	/	N.D.
Hexa-bromodiphenyl ether	mg/kg	5	/	N.D.
Hepta-bromodiphenyl ether	mg/kg	5	/	N.D.
Octa-bromodiphenyl ether	mg/kg	5	/	N.D.
Nona-bromodiphenyl ether	mg/kg	5	/	N.D.
Deca-bromodiphenyl ether	mg/kg	5	/	N.D.
<b>Polybrominated DiphenylEthers (PBDEs)</b>	mg/kg	/	1000	N.D.
<b>Conclusion</b>				PASS

### (1.3) Phthalates (DBP, BBP, DEHP, DIBP)

Test Method: With reference to IEC 62321-8: 2017, was analyzed by Gas Chromatographic - Mass Spectrometer (GC-MS).

Test Substances	CAS No.	Unit	MDL	Limit	Test result
					1
Dibutyl phthalate (DBP)	84-74-2	mg/kg	20	1000	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	mg/kg	20	1000	N.D.
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	20	1000	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	20	1000	N.D.
<b>Conclusion</b>					PASS

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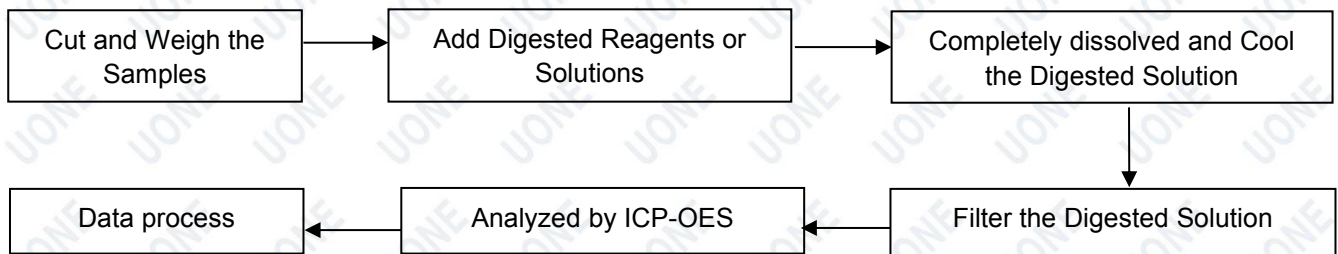
Date: Dec. 17, 2025

Page 5 of 7

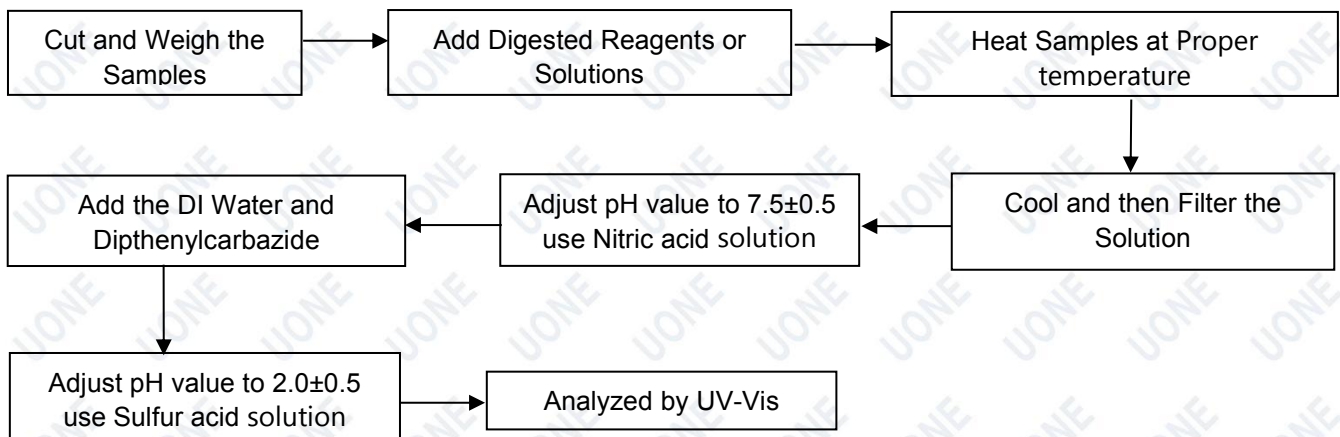
- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. MDL= method detection limit.
  3. N.D.=not detected (<MDL).
  4. “/”=Not regulated, NA = Not Applicable.

### Test Process Flow

1. Lead, Cadmium, Mercury



2. Hexavalent Chromium (Non-metal)



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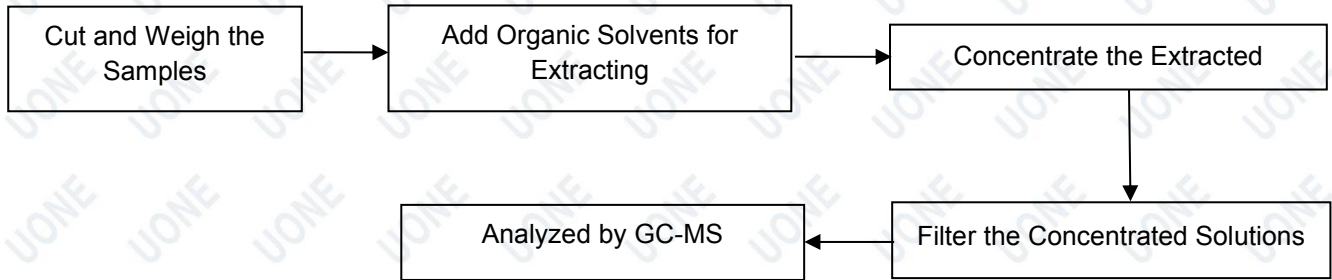
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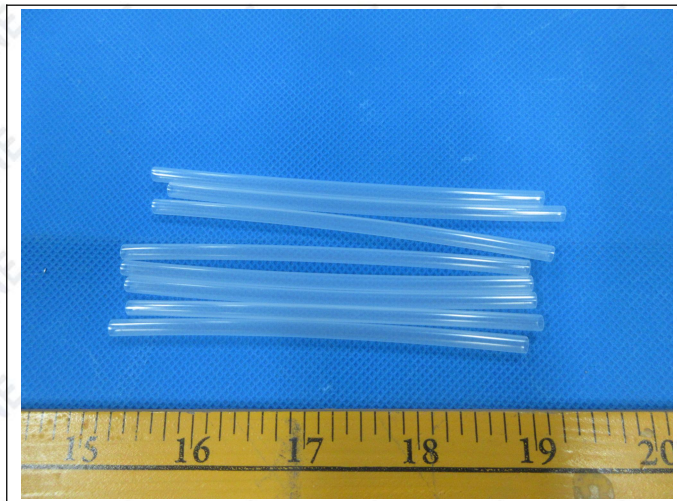
Date: Dec. 17, 2025

Page 6 of 7

### 3. PBBs & PBDEs, Phthalates



#### Photo(s) of Sample:



\*\*\*End of Report\*\*\*

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Report No.: U10208251211607-4E

Query Password: QW4634

Date: Dec. 17, 2025

Page 7 of 7

## Statement

1. The information listed on the first page of this test report, except the date of receipt, test date, test result and test conclusion, is provided by the client. The client shall be responsible for the representativeness of sample and authenticity of materials, for which UONE shall bear no responsibilities.
2. The test conclusion of this report are only applicable to the test samples submitted for inspection, and the samples submitted for inspection are only kept for 30 days, and the company does not bear other joint and several liabilities other than the test results.
3. The test report shall take effect only with the seal of the company, and this report shall not be deleted or modified.
4. This report shall not be reproduced in whole or in part without the written authorization of the Company.
5. Objection should be issued in 15 days upon receiving the report, overdue opinion is inadmissible.
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