



Test Report

Report No. ESTC-250617021

Date: 24 Jun 2025

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APPLICANT : **Shenzhen Anycubic Technology Co., Ltd**
Room 101-501, Building No.11, Yinhai Industrial Park, Yinhe Community, Yuanshan Street, Longgang District, Shenzhen, Guangdong Province, China

DATE OF SUBMISSION : 17 Jun 2025

TEST PERIOD : 17 Jun 2025 to 20 Jun 2025

SAMPLE DESCRIPTION : PETG Filament

Model No: PETG Filament
Black, White, Yellow, Blue, Translucent Purple, Translucent Brown, Translucent Orange, Translucent Pink, Translucent Olive, Texture grey, Dark Grey, Brown, Beige, Peanut Brown, Cream, Lake Blue, Forest Green, Lime Green

Manufacturer: Shenzhen Anycubic Technology Co., Ltd
Room 101-501, Building No.11, Yinhai Industrial Park, Yinhe Community, Yuanshan Street, Longgang District, Shenzhen, Guangdong Province, China

Trade name: ANYCUBIC

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Heavy Metals and Flame Retardants Content – European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)	PASS	-
Phthalates Content – European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments up to EU No. 2015/ 863 Annex II	PASS	-

EST TECHNOLOGY CO., LTD.

Spark Zhang
Manager, Chemical Department



RT/ZH

REMARK

If there are questions or concerns on this report, please contact the following persons:

Report Enquiry: (86-769) 83081888 Ext. 618 E-mail: gdest@gdest.cn

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1. Test part Description

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
001	Black plastic	-	-
002	White plastic	-	-
003	Yellow plastic	-	-
004	Blue plastic	-	-
005	Translucent purple plastic	-	-
006	Translucent brown plastic	-	-
007	Translucent orange plastic	-	-
008	Translucent pink plastic	-	-
009	Translucent green plastic	-	-
010	Texture gray plastic	-	-
011	Dark gray plastic	-	-
012	Brown plastic	-	-
013	Beige plastic	-	-
014	Peanut brown plastic	-	-
015	Cream plastic	-	-
016	Lake blue plastic	-	-
017	Forest green plastic	-	-
018	Lime green plastic	-	-

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2. Test result :

RoHS Directive 2011/65/EU

Test Methods: See Appendix.

See Analytes (Parameter) and their corresponding Maximum Allowable Limit (Req.) in Result Table	Type I	Metallic material
	Type II	Glass or ceramic material
	Type III	Other non-metallic material except Type II

Test Item(s)	Unit	Limit	Result			
			001	002	003	004
Type	-	I/II/III	III	III	III	III
Parameter	-	-	-	-	-	-
Lead (Pb)	mg/kg	1000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	100	ND	ND	ND	ND
Mercury (Hg)	mg/kg	1000	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	1000	ND	ND	ND	ND
PBBs	mg/kg	1000	ND	ND	ND	ND
MonoBB	mg/kg	-	ND	ND	ND	ND
DiBB	mg/kg	-	ND	ND	ND	ND
TriBB	mg/kg	-	ND	ND	ND	ND
TetraBB	mg/kg	-	ND	ND	ND	ND
PentaBB	mg/kg	-	ND	ND	ND	ND
HexaBB	mg/kg	-	ND	ND	ND	ND
HeptaBB	mg/kg	-	ND	ND	ND	ND
OctaBB	mg/kg	-	ND	ND	ND	ND
NonaBB	mg/kg	-	ND	ND	ND	ND
DecaBB	mg/kg	-	ND	ND	ND	ND
PBDEs	mg/kg	1000	ND	ND	ND	ND
MonoBDE	mg/kg	-	ND	ND	ND	ND
DiBDE	mg/kg	-	ND	ND	ND	ND
TriBDE	mg/kg	-	ND	ND	ND	ND
TetraBDE	mg/kg	-	ND	ND	ND	ND
PentaBDE	mg/kg	-	ND	ND	ND	ND
HexaBDE	mg/kg	-	ND	ND	ND	ND
HeptaBDE	mg/kg	-	ND	ND	ND	ND
OctaBDE	mg/kg	-	ND	ND	ND	ND
NonaBDE	mg/kg	-	ND	ND	ND	ND
DecaBDE	mg/kg	-	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

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Test Item(s)	Unit	Limit	Result			
			005	006	007	008
Type	-	I/II/III	III	III	III	III
Parameter	-	-	-	-	-	-
Lead (Pb)	mg/kg	1000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	100	ND	ND	ND	ND
Mercury (Hg)	mg/kg	1000	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	1000	ND	ND	ND	ND
PBBs	mg/kg	1000	ND	ND	ND	ND
MonoBB	mg/kg	-	ND	ND	ND	ND
DiBB	mg/kg	-	ND	ND	ND	ND
TriBB	mg/kg	-	ND	ND	ND	ND
TetraBB	mg/kg	-	ND	ND	ND	ND
PentaBB	mg/kg	-	ND	ND	ND	ND
HexaBB	mg/kg	-	ND	ND	ND	ND
HeptaBB	mg/kg	-	ND	ND	ND	ND
OctaBB	mg/kg	-	ND	ND	ND	ND
NonaBB	mg/kg	-	ND	ND	ND	ND
DecaBB	mg/kg	-	ND	ND	ND	ND
PBDEs	mg/kg	1000	ND	ND	ND	ND
MonoBDE	mg/kg	-	ND	ND	ND	ND
DiBDE	mg/kg	-	ND	ND	ND	ND
TriBDE	mg/kg	-	ND	ND	ND	ND
TetraBDE	mg/kg	-	ND	ND	ND	ND
PentaBDE	mg/kg	-	ND	ND	ND	ND
HexaBDE	mg/kg	-	ND	ND	ND	ND
HeptaBDE	mg/kg	-	ND	ND	ND	ND
OctaBDE	mg/kg	-	ND	ND	ND	ND
NonaBDE	mg/kg	-	ND	ND	ND	ND
DecaBDE	mg/kg	-	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

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Test Item(s)	Unit	Limit	Result			
			009	010	011	012
Type	-	I/II/III	III	III	III	III
Parameter	-	-	-	-	-	-
Lead (Pb)	mg/kg	1000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	100	ND	ND	ND	ND
Mercury (Hg)	mg/kg	1000	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	1000	ND	ND	ND	ND
PBBs	mg/kg	1000	ND	ND	ND	ND
MonoBB	mg/kg	-	ND	ND	ND	ND
DiBB	mg/kg	-	ND	ND	ND	ND
TriBB	mg/kg	-	ND	ND	ND	ND
TetraBB	mg/kg	-	ND	ND	ND	ND
PentaBB	mg/kg	-	ND	ND	ND	ND
HexaBB	mg/kg	-	ND	ND	ND	ND
HeptaBB	mg/kg	-	ND	ND	ND	ND
OctaBB	mg/kg	-	ND	ND	ND	ND
NonaBB	mg/kg	-	ND	ND	ND	ND
DecaBB	mg/kg	-	ND	ND	ND	ND
PBDEs	mg/kg	1000	ND	ND	ND	ND
MonoBDE	mg/kg	-	ND	ND	ND	ND
DiBDE	mg/kg	-	ND	ND	ND	ND
TriBDE	mg/kg	-	ND	ND	ND	ND
TetraBDE	mg/kg	-	ND	ND	ND	ND
PentaBDE	mg/kg	-	ND	ND	ND	ND
HexaBDE	mg/kg	-	ND	ND	ND	ND
HeptaBDE	mg/kg	-	ND	ND	ND	ND
OctaBDE	mg/kg	-	ND	ND	ND	ND
NonaBDE	mg/kg	-	ND	ND	ND	ND
DecaBDE	mg/kg	-	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

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Test Item(s)	Unit	Limit	Result			
			013	014	015	016
Type	-	I/II/III	III	III	III	III
Parameter	-	-	-	-	-	-
Lead (Pb)	mg/kg	1000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	100	ND	ND	ND	ND
Mercury (Hg)	mg/kg	1000	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	1000	ND	ND	ND	ND
PBBs	mg/kg	1000	ND	ND	ND	ND
MonoBB	mg/kg	-	ND	ND	ND	ND
DiBB	mg/kg	-	ND	ND	ND	ND
TriBB	mg/kg	-	ND	ND	ND	ND
TetraBB	mg/kg	-	ND	ND	ND	ND
PentaBB	mg/kg	-	ND	ND	ND	ND
HexaBB	mg/kg	-	ND	ND	ND	ND
HeptaBB	mg/kg	-	ND	ND	ND	ND
OctaBB	mg/kg	-	ND	ND	ND	ND
NonaBB	mg/kg	-	ND	ND	ND	ND
DecaBB	mg/kg	-	ND	ND	ND	ND
PBDEs	mg/kg	1000	ND	ND	ND	ND
MonoBDE	mg/kg	-	ND	ND	ND	ND
DiBDE	mg/kg	-	ND	ND	ND	ND
TriBDE	mg/kg	-	ND	ND	ND	ND
TetraBDE	mg/kg	-	ND	ND	ND	ND
PentaBDE	mg/kg	-	ND	ND	ND	ND
HexaBDE	mg/kg	-	ND	ND	ND	ND
HeptaBDE	mg/kg	-	ND	ND	ND	ND
OctaBDE	mg/kg	-	ND	ND	ND	ND
NonaBDE	mg/kg	-	ND	ND	ND	ND
DecaBDE	mg/kg	-	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

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Test Item(s)	Unit	Limit	Result			
			017	018	-	-
Type	-	I/II/III	III	III	-	-
Parameter	-	-	-	-	-	-
Lead (Pb)	mg/kg	1000	ND	ND	-	-
Cadmium (Cd)	mg/kg	100	ND	ND	-	-
Mercury (Hg)	mg/kg	1000	ND	ND	-	-
Chromium VI (Cr VI)	mg/kg	1000	ND	ND	-	-
PBBs	mg/kg	1000	ND	ND	-	-
MonoBB	mg/kg	-	ND	ND	-	-
DiBB	mg/kg	-	ND	ND	-	-
TriBB	mg/kg	-	ND	ND	-	-
TetraBB	mg/kg	-	ND	ND	-	-
PentaBB	mg/kg	-	ND	ND	-	-
HexaBB	mg/kg	-	ND	ND	-	-
HeptaBB	mg/kg	-	ND	ND	-	-
OctaBB	mg/kg	-	ND	ND	-	-
NonaBB	mg/kg	-	ND	ND	-	-
DecaBB	mg/kg	-	ND	ND	-	-
PBDEs	mg/kg	1000	ND	ND	-	-
MonoBDE	mg/kg	-	ND	ND	-	-
DiBDE	mg/kg	-	ND	ND	-	-
TriBDE	mg/kg	-	ND	ND	-	-
TetraBDE	mg/kg	-	ND	ND	-	-
PentaBDE	mg/kg	-	ND	ND	-	-
HexaBDE	mg/kg	-	ND	ND	-	-
HeptaBDE	mg/kg	-	ND	ND	-	-
OctaBDE	mg/kg	-	ND	ND	-	-
NonaBDE	mg/kg	-	ND	ND	-	-
DecaBDE	mg/kg	-	ND	ND	-	-
Conclusion	-	-	PASS	PASS	-	-

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Note / key:

ND = Not detected

NR = Not requested

NA = Not Applicable

Each (Pb, Cd, Hg & Cr VI) 10

Cr VI for leather: 3

Each (PBBs & PBDEs): 50

“>” = Greater than

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

10000 mg/kg = 1 %

Req. = Requirement

% = percent

Remark:

- The test method of heavy metals and flame retardants content is listed in table of Appendix.
- * Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Council Directive 2011/65/EU, Article 4(1).
- According to European Council Directive 2011/65/EU, Article 5 “Adaptation of the Annexes to scientific and technical progress”, exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.



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APPENDIX :

List of Analytes and their Corresponding Test Methods [European Council Directive 2011/65/EU] :		
No.	Name of Analytes	Test Method(s)
1	Lead (Pb)	With reference to International Standard IEC 62321-5: 2013.
2	Cadmium (Cd)	
3	Mercury (Hg)	With reference to International Standard IEC 62321-4: 2013+ AMD1: 2017.
4	Chromium VI (Cr VI)	Metal : With reference to International Standard IEC 62321-7-1: 2015[a]. Polymers and Electronics : With reference to IEC 62321-7-2: 2017. Leather : International Standard ISO 17075-1: 2017. Other than Metal, Leather, Polymers and Electronics: With reference to International Standard ISO 17075-1: 2017
5	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	With reference to International Standard IEC 62321-8:2017.
6	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	
[a] The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples.		



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BBP/DBP/DEHP/DIBP Content – European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments up to EU No. 2015/ 863 Annex II

Test Methods:

With reference to International Standard IEC 62321-8:2017, Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Parameter:	BBP	DBP	DEHP	DiBP	-
Limit (%):	0.1	0.1	0.1	0.1	-
Test Item(s)	Result (%)				Conclusion
001	ND	ND	ND	ND	PASS
002	ND	ND	ND	ND	PASS
003	ND	ND	ND	ND	PASS
004	ND	ND	ND	ND	PASS
005	ND	ND	ND	ND	PASS
006	ND	ND	ND	ND	PASS
007	ND	ND	ND	ND	PASS
008	ND	ND	ND	ND	PASS
009	ND	ND	ND	ND	PASS
010	ND	ND	ND	ND	PASS
011	ND	ND	ND	ND	PASS
012	ND	ND	ND	ND	PASS
013	ND	ND	ND	ND	PASS
014	ND	ND	ND	ND	PASS
015	ND	ND	ND	ND	PASS
016	ND	ND	ND	ND	PASS
017	ND	ND	ND	ND	PASS

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Test Parameter:	BBP	DBP	DEHP	DiBP	-
Limit (%):	0.1	0.1	0.1	0.1	-
Test Item(s)	Result (%)				Conclusion
018	ND	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate (CAS No: 85-68-7)

DEHP = Di(2-ethylhexyl) phthalate (CAS No: 117-81-7)

ND = Not detected % = percent

mg/kg = milligram(s) per kilogram

Detection Limit (%) : Each 0.005

DBP = Dibutyl phthalate (CAS No: 84-74-2)

DiBP = Diisobutyl phthalate (CAS No: 84-69-5)

10000 mg/kg = 1 %



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3. Photo of the Submitted Sample



EST Technology authenticate the photo on original report only

**** End of Report ****

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