

Test Report

No.: TSNPC25001663705

Date: May 19, 2025

Page 1 of 5

Client Name: SHENZHEN ESUN INDUSTRIAL CO.,LTD.

Client Address: 15A, MICROSOFT KETONG BUILDING, NO. 55 GAOXINNAN 9TH ROAD, HIGH TECH COMMUNITY, YUEHAI STREET, NANSHAN DISTRICT, SHENZHEN

Sample Name: TPU-95A

The above sample(s) and information were provided by the client.

SGS Job No.: TJPC2505000212(WHIN2505000449PL03)

Sample Receiving Date: May 09, 2025

Testing Period: May 09, 2025 ~ May 16, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EN 71-3:2019+A1:2021- Migration of certain elements (Category I:for dry, brittle, powder-like or pliable toy material)	Pass
ASTM F963-23, Clause 4.3.5.2 – Total Lead in Substrate Materials	Pass
ASTM F963-23, Clause 4.3.5.2 – Soluble Heavy Metal in Substrate Materials	Pass
CPSIA section 101(a)(2) - Lead in accessible substrate materials	Pass
CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.

Reabeca Zhou
Approved Signatory

Scan to see the report



TSNPC25001663705
Verification:
check.sgsnline.com.cn



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457

t (86-22) 65288000 www.sgsnline.com.cn
t (86-22) 65288000 sgs.china@sgs.com

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A3	TSN25-0016637-0001.C003	transparent solid

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EN 71-3:2019+A1:2021- Migration of certain elements (Category I:for dry, brittle, powder-like or pliable toy material)

Test Method: With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-MS, IC-UV, LC-ICP-MS or IC-ICP-MS.

Test Item(s)	Limit	Unit(s)	MDL	A3
Mass of trace amount	-	mg	-	/
Soluble Aluminum(Al)	2250	mg/kg	50	ND
Soluble Antimony(Sb)	45	mg/kg	1	ND
Soluble Arsenic(As)	3.8	mg/kg	0.5	ND
Soluble Barium(Ba)	1500	mg/kg	50	ND
Soluble Boron(B)	1200	mg/kg	50	ND
Soluble Cadmium(Cd)	1.3	mg/kg	0.1	ND
Soluble Chromium(III)(CrIII)	37.5	mg/kg	5.0	ND
Soluble Chromium(VI)(Cr VI)	0.02	mg/kg	0.010	ND
Soluble Cobalt(Co)	10.5	mg/kg	0.5	ND
Soluble Copper(Cu)	622.5	mg/kg	50.0	ND
Soluble Lead(Pb)	2.0	mg/kg	0.5	ND
Soluble Manganese(Mn)	1200	mg/kg	50	ND
Soluble Mercury(Hg)	7.5	mg/kg	0.5	ND
Soluble Nickel(Ni)	75	mg/kg	10	ND
Soluble Selenium(Se)	37.5	mg/kg	5.0	ND
Soluble Strontium(Sr)	4500	mg/kg	50	ND
Soluble Tin(Sn)	15000	mg/kg	0.15	ND
Soluble Zinc(Zn)	3750	mg/kg	50	ND
Soluble Organic Tin*	0.9	mg/kg	-	ND
Conclusion				Pass

Notes:

(1) According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula:

Soluble Chromium (III) = Soluble Total Chromium - Soluble Chromium (VI)

(2) *Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.

(3) /=Not Applicable

ASTM F963-23, Clause 4.3.5.2 – Total Lead in Substrate Materials



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457 t (86-22) 65288000 www.sgsgroup.com.cn
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 sgs.china@sgs.com

Test Report

No.: TSNPC25001663705

Date: May 19, 2025

Page 3 of 5

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A3
Total Lead (Pb)	100	mg/kg	20	ND
Conclusion				Pass

ASTM F963-23, Clause 4.3.5.2 – Soluble Heavy Metal in Substrate Materials

Test Method: With reference to ASTM F 963-23 (Clause 8.3), analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A3
Soluble Mercury(Hg)	60	mg/kg	5	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND
Soluble Lead(Pb)	90	mg/kg	5	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND
Soluble Selenium(Se)	500	mg/kg	10	ND
Conclusion				Pass

Notes:

(1) Results shown are of the adjusted analytical results.

CPSIA section 101(a)(2) - Lead in accessible substrate materials

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A3
Lead (Pb)	100	mg/kg	20	ND
Conclusion				Pass

CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A3
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.0050	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%	0.0050	ND
Dicyclohexyl Phthalates (DCHP)	84-61-7	0.1	%	0.0050	ND
Di(2-ethyl hexyl) Phthalate (DEHP)	117-81-7	0.1	%	0.0050	ND
Di-n-hexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%	0.0050	ND
Diisobutyl Phthalates (DIBP)	84-69-5	0.1	%	0.0050	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	0.1	%	0.0050	ND



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457

t (86-22) 65288000 www.sgsgroup.com.cn
 t (86-22) 65288000 sgs.china@sgs.com

Test Report

No.: TSNPC25001663705

Date: May 19, 2025

Page 4 of 5

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A3
Dipentyl Phthalates (DnPP)	131-18-0	0.1	%	0.0050	ND
Conclusion					Pass

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



SGS CSTC (Tianjin) Co., Ltd.
 Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457
 中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457

t (86-22) 65288000 www.sgsgroup.com.cn
 t (86-22) 65288000 sgs.china@sgs.com

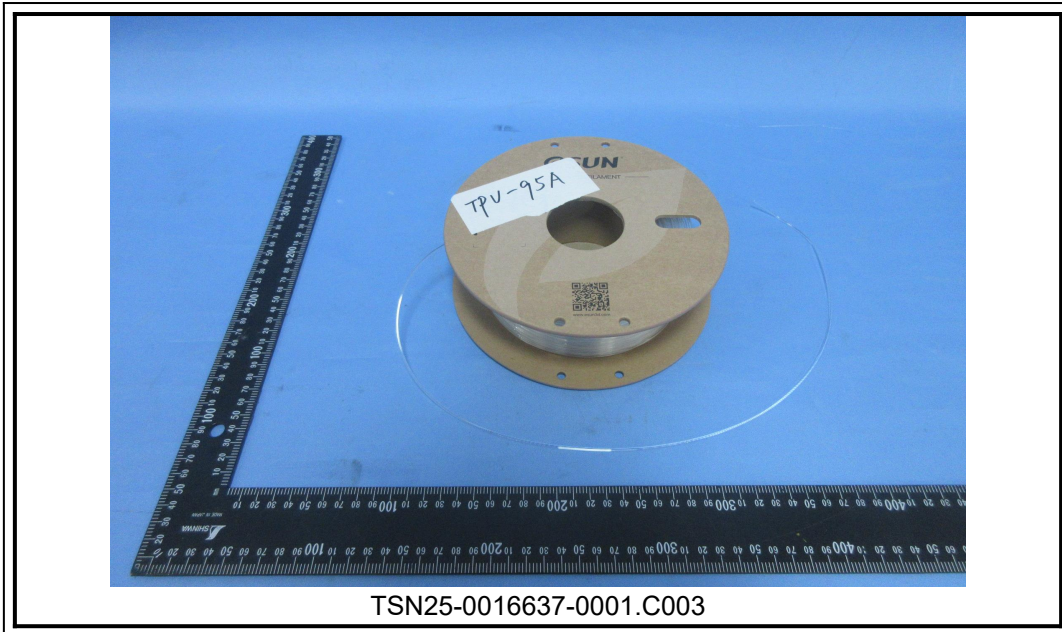
Test Report

No.: TSNPC25001663705

Date: May 19, 2025

Page 5 of 5

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.
Chemical Laboratory

SGS Mansion, No.41, The 5th Avenue TEDA, Tianjin, China 300457
中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457

t (86-22) 65288000 www.sgsgroup.com.cn
t (86-22) 65288000 sgs.china@sgs.com