

Test Report

No.: SHAEC24006109401

Date: Apr 11, 2024

Page 1 of 6

Client Name: HANGZHOU LEFOO INDUSTRIAL CO.,LTD.

Client Address: NO.118 CHANGDA ROAD,LINPING STREET,LINPING DISTRICT,HANGZHOU CITY,ZHEJIANG PROVINCE

Sample Name: Pressure transmitter

Model No.: LFT221

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

SGS Job No.: SHP24-009483

Sample Receiving Date: Apr 01, 2024

Testing Period: Apr 01, 2024 ~ Apr 11, 2024

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	Comment
1	US FDA 21 CFR 177.1500 - Specific Gravity at 23°C	See Results
2	US FDA 21 CFR 177.1500 - Melting Point	Pass
3	US FDA 21 CFR 177.1500 - Solubility in Boiling 4.2N HCl	Pass
4	US FDA 21 CFR 177.1500 - Maximum Extractable Fraction	Pass
5	US FDA 21 CFR 177.2600 - Total Extractives	Pass
6	US FDA CPG Sec.545.400 and CPG Sec 545.450 - Leachable Lead and Cadmium	Pass

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

Jenny Lan
Approved Signatory

scan to see the report



68AFACAC



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 (Shanghai) Co., Ltd.
Testing Center - Chemical Laboratory

3rd Building, No.889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 tHL (86-21) 61402594 fHL (86-21)61156899 e sgs.china@sgs.com

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A.C001	SHA24-0061094-0001.C001	Black solid	PA66
SN2	A.C002	SHA24-0061094-0001.C002	White solid	Ceramic
SN3	A.C003	SHA24-0061094-0001.C003	Black soft solid	EPDM

Remarks:

- (1) mg/dm² = milligram per square decimeter
 mg/inch² = milligram per square inches
 µg/cm² = microgram per square centimeter
 mg/L = milligram per litre
 mg/kg = milligram per kilogram
- (2) °C = degree Celsius
 °F = degree Fahrenheit
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

US FDA 21 CFR 177.1500 - Specific Gravity at 23°C

Test Method: With reference to US FDA 21 CFR 177.1500.

Test Item(s)	Limit	Unit(s)	A.C001
Specific Gravity at 23°C	1.125-1.155	g/cm ³	1.365#

Notes:

(1) The US FDA tests are intended for the raw/virgin polymer material. Since this was not available, the finished article was tested, and this testing included the polymer and all the other substances that were added during the manufacturing process. It is recommended that the physical parameters be tested on the raw/virgin polymer material.

US FDA 21 CFR 177.1500 - Melting Point

Test Method: With reference to US FDA 21 CFR 177.1500.

Test Item(s)	Limit	Unit(s)	A.C001
Melting Point	475-495	°F	485.9
Comment			Pass

Notes:

These tests were subcontracted to SGS Ningbo Chemical Lab.

US FDA 21 CFR 177.1500 - Solubility in Boiling 4.2N HCl

Test Method: With reference to US FDA 21 CFR 177.1500.



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com

Test Report

No.: SHAEC24006109401

Date: Apr 11, 2024

Page 3 of 6

Test Item(s)	Limit	A.C001
Solubility in Boiling 4.2N HCl	Dissolves in 1 hour	Dissolved
Comment		Pass

US FDA 21 CFR 177.1500 - Maximum Extractable Fraction

Test Method: With reference to US FDA 21 CFR 177.1500.

Simulant used	Test Condition	Limit	Unit(s)	RL	A.C001	Comment
95% Ethanol	Reflux Temperature, 8 hrs	1.5	%(w/w)	0.05	0.16	Pass
Benzene	Reflux Temperature, 8 hrs	0.2	%(w/w)	0.05	ND	Pass
Ethyl Acetate	Reflux Temperature, 8 hrs	0.2	%(w/w)	0.05	ND	Pass
Distilled water	Reflux Temperature, 8 hrs	1.5	%(w/w)	0.05	0.21	Pass

US FDA 21 CFR 177.2600 - Total Extractives

Test Method: With reference to US FDA 21 CFR 177.2600.

Simulant used	Test Condition	Limit	Unit(s)	RL	A.C003	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch ²	0.5	ND	Pass
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch ²	0.5	ND	Pass

US FDA CPG Sec.545.400 and CPG Sec 545.450 - Leachable Lead and Cadmium

Test Method: With reference to AOAC 18th Ed. (2005) Section 973.32, analysis was performed by AAS/ICP-OES.

A.C002 Flatware Pass

	Extract volume (mL)	Surface Area (dm ²)
1	53	0.32
2	53	0.32
3	53	0.32
4	53	0.32
5	53	0.32
6	53	0.32

	Leachable Lead (µg/mL)	Leachable Cadmium (µg/mL)
1	<0.05	<0.01
2	<0.05	<0.01



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 (Shanghai) Technical Services (Shanghai) Co., Ltd.
Testing Center-Chemical Laboratory

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com

Test Report

No.: SHAEC24006109401

Date: Apr 11, 2024

Page 4 of 6

	Leachable Lead (µg/mL)	Leachable Cadmium (µg/mL)
3	<0.05	<0.01
4	<0.05	<0.01
5	<0.05	<0.01
6	<0.05	<0.01
Avg	<0.05	<0.01
Limit	3.0	0.5

Notes:

Flatware-Articles which cannot be filled and articles which can be filled, the internal depth of which does not exceed 25 mm.

Small Hollowware-Articles which can be filled with the internal depth of which exceed 25 mm and capacity of less than 1.1 liter.

Large Hollowware-Articles which can be filled with the internal depth of which exceed 25 mm and capacity of 1.1 liter or more.

Remark:

= Exceed the limit.

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.



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 (Shanghai) Co., Ltd.
Testing Center-Chemical Laboratory

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com

Test Report

No.: SHAEC24006109401

Date: Apr 11, 2024

Page 5 of 6

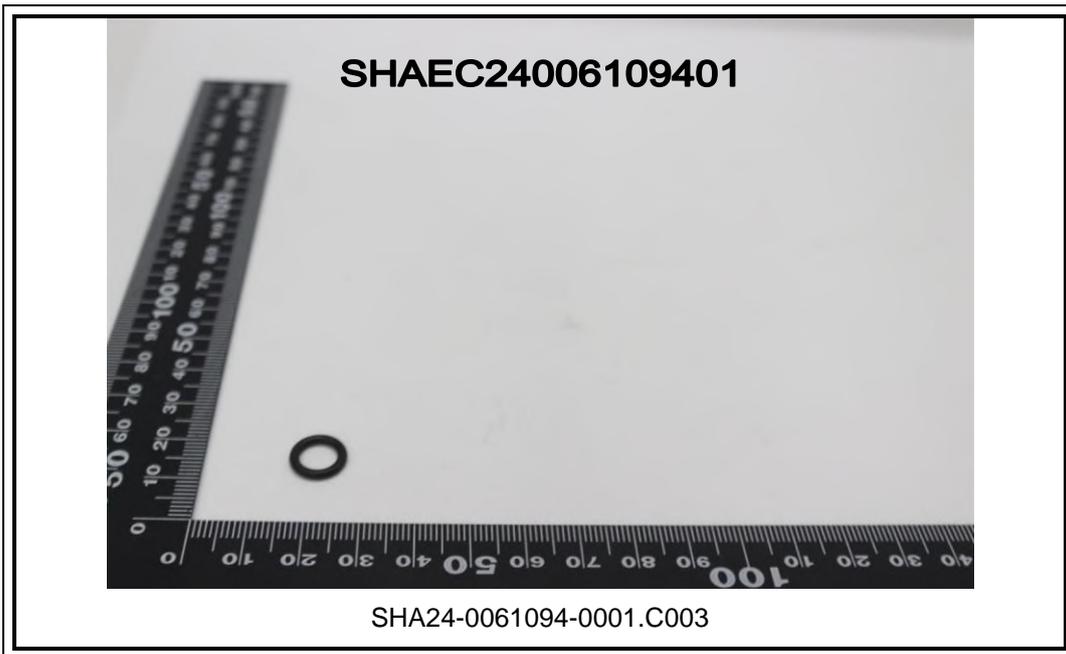
Sample Photo:



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 (Shanghai) Co., Ltd. 3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233

中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn

t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com