

# Test Report

No.: SHAEC23004894701

Date: May 06, 2023

Page 1 of 6

Client Name: LEFOO INDUSTRIAL CO., LTD.

Client Address: NO.118 Changda Road, Linping Street, Linping District, Hangzhou City, Zhejiang Province

Sample Name: Micro Pump

Model No.: LFP

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

SGS Job No.: SHP23-000118

Sample Receiving Date: Apr 23, 2023

Testing Period: Apr 23, 2023 ~ Apr 27, 2023

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	Stainless steel for food contact use in US - Total Chromium content	Pass
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

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

Jenny Lan  
Approved Signatory

scan to see the report



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**Test Result(s):**

**Test Part Description:**

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	SHA23-0048947-0001.C001	Black soft solid	Rubber
SN2	A2	SHA23-0048947-0001.C002	Black soft solid	Rubber
SN3	A3	SHA23-0048947-0001.C003	Beige soft solid	Rubber
SN4	A4	SHA23-0048947-0001.C004	Silvery metal	Stainless Steel
SN5	A5	SHA23-0048947-0001.C005	Black solid	PA66

**Remarks:**

- (1) mg/dm<sup>2</sup> = milligram per square decimeter  
 μg/cm<sup>2</sup> = microgram per square centimeter  
 mg/L = milligram per litre  
 mg/kg = milligram per kilogram
- (2) °C = degree Celsius
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

**Stainless steel for food contact use in US - Total Chromium content**

Test Method: Titration method.

Test Item(s)	Limit	Unit(s)	A4
Chromium(Cr)	≥10.5	%	18.3
<b>Comment</b>			<b>Pass</b>

**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)	A5
Melting Point	475-495	°F	477.2
<b>Comment</b>			<b>Pass</b>

**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.

Test Item(s)	Limit	A5
Solubility in Boiling 4.2N HCl	Dissolves in 1 hour	Dissolved
<b>Comment</b>		<b>Pass</b>



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**US FDA 21 CFR 177.1500 - Maximum Extractable Fraction**

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

Simulant used	Temperature	Time	Limit	Unit(s)	A5	Comment
95% Ethanol	Reflux Temperature	8 hrs	1.5	%(w/w)	0.25	Pass
Benzene	Reflux Temperature	8 hrs	0.2	%(w/w)	<0.05	Pass
Ethyl Acetate	Reflux Temperature	8 hrs	0.2	%(w/w)	<0.05	Pass
Distilled water	Reflux Temperature	8 hrs	1.5	%(w/w)	0.13	Pass

**US FDA 21 CFR 177.2600 - Total Extractives**

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

Simulant used	Temperature	Time	Limit	Unit(s)	A1	Comment
Distilled water	Reflux Temperature	7.0 hrs	20	mg/inch <sup>2</sup>	<0.5	Pass
Distilled water Succeeding extraction	Reflux Temperature	2.0 hrs	1	mg/inch <sup>2</sup>	<0.5	Pass

Simulant used	Temperature	Time	Limit	Unit(s)	A2	Comment
Distilled water	Reflux Temperature	7.0 hrs	20	mg/inch <sup>2</sup>	0.9	Pass
Distilled water Succeeding extraction	Reflux Temperature	2.0 hrs	1	mg/inch <sup>2</sup>	<0.5	Pass

Simulant used	Temperature	Time	Limit	Unit(s)	A3	Comment
Distilled water	Reflux Temperature	7.0 hrs	20	mg/inch <sup>2</sup>	<0.5	Pass
Distilled water Succeeding extraction	Reflux Temperature	2.0 hrs	1	mg/inch <sup>2</sup>	<0.5	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.

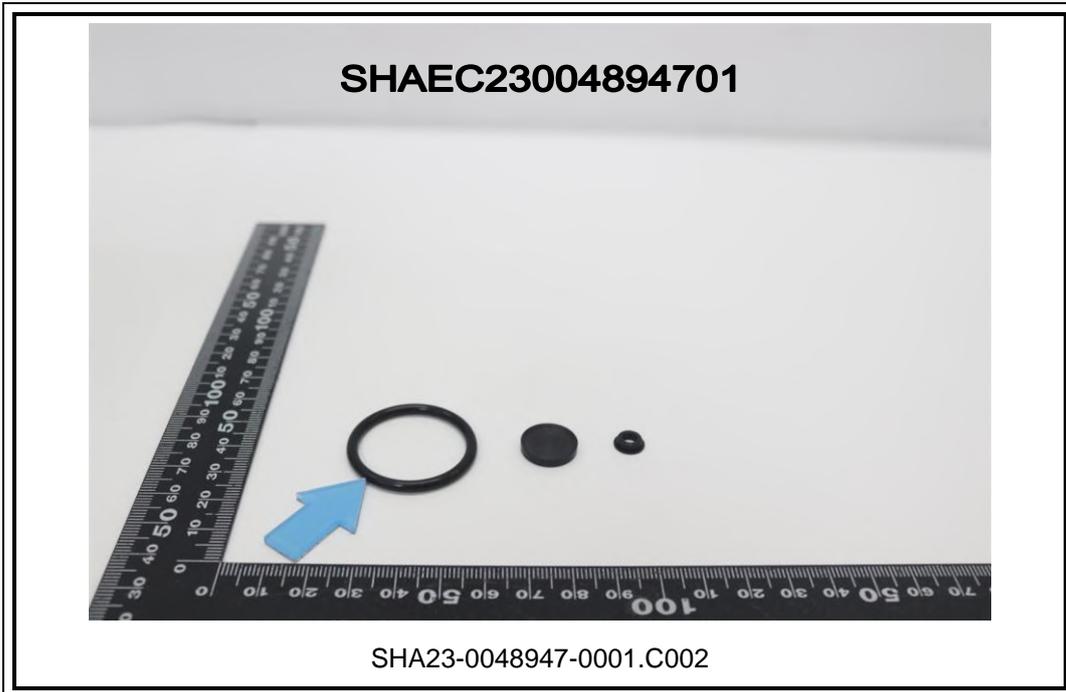
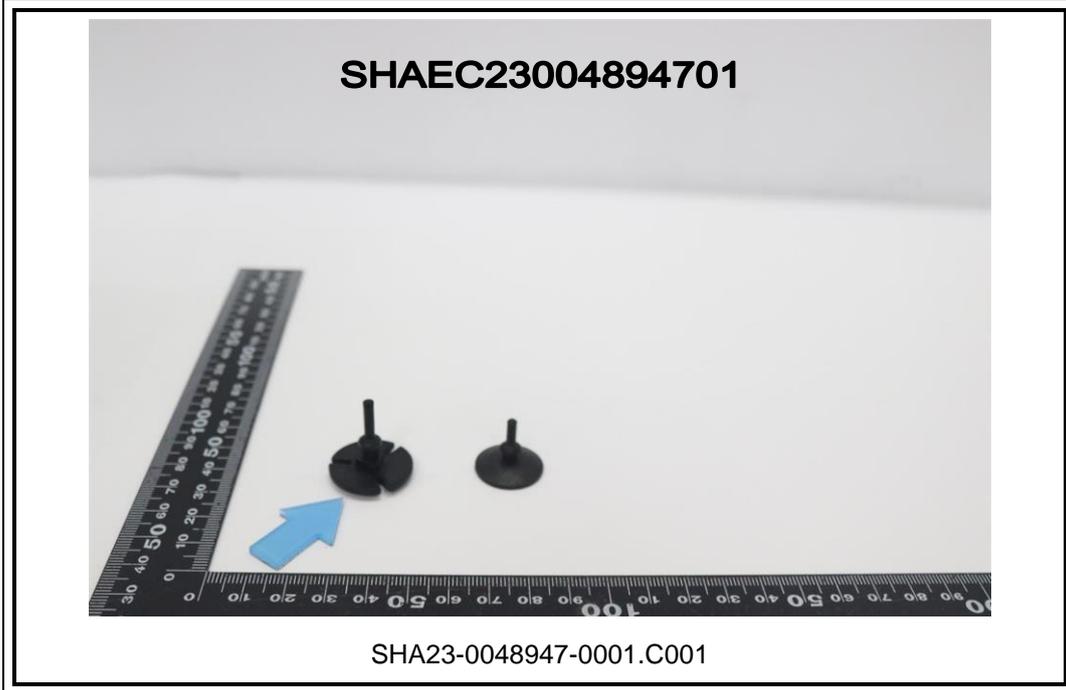


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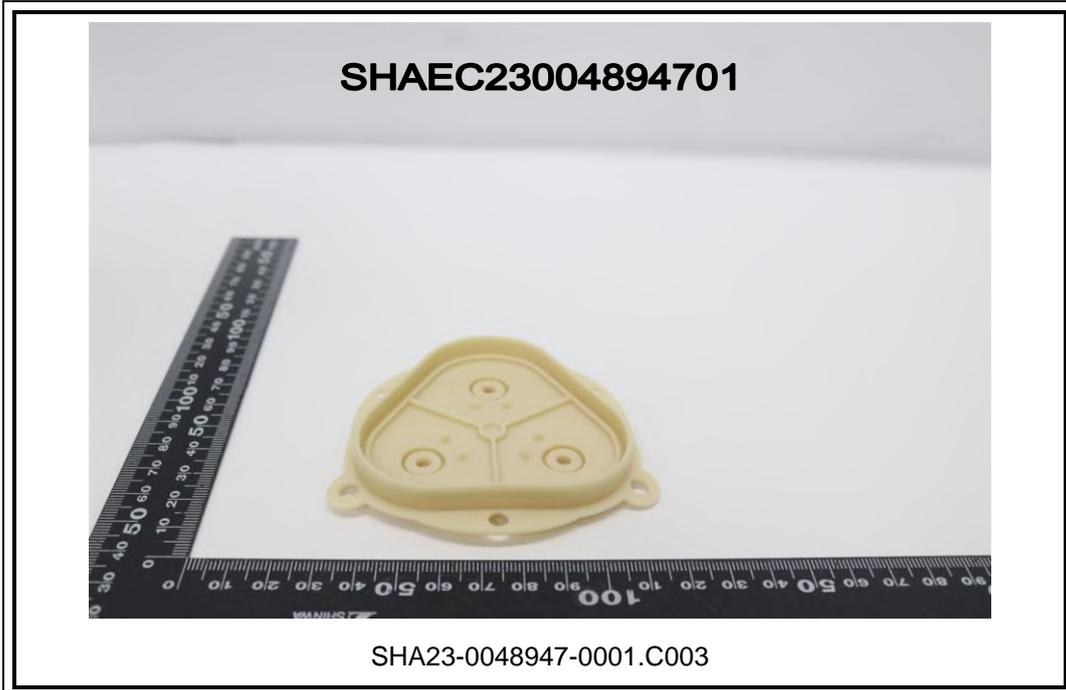
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