Test Report

No.: SZXEC26001343703 **Date:** Mar 23, 2026

Client Name: HUIZHOU BAIZHAO SILICON INDUSTRY CO., LTD.

Client Address: BUILDING A6, SHENGFA INDUSTRIAL PARK, CHANGBU VILLAGE HEAD, XINWEI TOWN, HUIYANG DISTRICT, HUIZHOU CITY

Sample Name: Silicone rubber

Model No.: BZ550A

Client Ref. Information: BZ5XX、BZ5XXX、BZ9XX,BZ9XXX,B-85XX、BZ95XX

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

SGS Job No.: SZP26-011988

Sample Receiving Date: Mar 16, 2026

Testing Period: Mar 16, 2026 ~ Mar 23, 2026

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
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Sensorial examination odour and taste test	Pass
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Polynuclear aromatic hydrocarbons (PAHs)	Pass
3	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Volatile Organic Matter (VOM)	Pass
4	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Total Lead and Cadmium	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Andy Ni
Approved Signatory

Scan to see the report

CDB4076C

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Member of the SGS Group (SGS SA)

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	SZX26-0013437-0001.C001	Colorless translucent silicone rubber	Silicone

Remarks:

(1) mg/dm^2 = milligram per square decimeter
$mg/inch^2$ = milligram per square inches
$\mu g/cm^2$ = microgram per square centimeter
mg/L = milligram per litre
mg/kg = milligram per kilogram
(2) ℃ = degree Celsius
℉ = degree Fahrenheit
(3) < = less than
(4) RL = Reporting Limit
(5) ND = Not Detected (< RL).

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Sensorial examination odour and taste test

Test Method: With reference to DIN 10955: 2024.
No. of panelist: 6

Test Media	Test Condition
	A1
Distilled water	100ºC, 0.5 hr

Test Item(s)	Limit	Unit(s)	A1
Area/Volume	-	dm^2/kg	10.0
Sensorial examination odour	2.5	-	0.5
Sensorial examination taste	2.5	-	0.5
Comment			**Pass**

Notes:

Intensity scale (rounded at 0.5):

0 – no perceptible difference
1 – just perceptible difference
2 – slight difference
3 – marked difference
4 – strong difference

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Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Polynuclear aromatic hydrocarbons (PAHs)

Test Method: With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
Benzo(a)pyrene(BaP)	50-32-8	0.2	mg/kg	0.2	ND
Benzo(e)pyrene(BeP)	192-97-2	0.2	mg/kg	0.2	ND
Benzo(a)anthracene(BaA)	56-55-3	0.2	mg/kg	0.2	ND
Benzo(b)fluoranthene(BbF)	205-99-2	0.2	mg/kg	0.2	ND
Benzo(j)fluoranthene(BjF)	205-82-3	0.2	mg/kg	0.2	ND
Benzo(k)fluoranthene(BkF)	207-08-9	0.2	mg/kg	0.2	ND
Chrysene(CHR)	218-01-9	0.2	mg/kg	0.2	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	0.2	mg/kg	0.2	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	0.2	mg/kg	0.2	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	0.2	mg/kg	0.2	ND
Phenanthrene(PHE)	85-01-8	0.2	mg/kg	0.2	ND
Pyrene(PYR)	129-00-0	0.2	mg/kg	0.2	ND
Anthracene(ANT)	120-12-7	0.2	mg/kg	0.2	ND
Fluoranthene(FLT)	206-44-0	0.2	mg/kg	0.2	ND
Naphthalene(NAP)	91-20-3	0.2	mg/kg	0.2	ND
Acenaphthylene(ANY)	208-96-8	0.2	mg/kg	0.2	ND
Acenaphthene(ANA)	83-32-9	0.2	mg/kg	0.2	ND
Fluorene(FLU)	86-73-7	0.2	mg/kg	0.2	ND
Comment					**Pass**

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Volatile Organic Matter (VOM)

Test Method: With reference to BfR test method-Determination of volatile compounds in silicone consumer products (09/2023).
Test condition: 200℃, 4 hrs

Test Item(s)	Limit	Unit(s)	RL	A1
Volatile organic matter (VOM)	0.5	%(w/w)	0.10	0.19
Comment				**Pass**

Notes:
(1) %w/w =percentage of weight by weight

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments and BfR recommendation - Total Lead and Cadmium

Test Method: Acidic digestion, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	RL	A1
Cadmium (Cd)	Absent	mg/kg	2	ND

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Test Item(s)	Limit	Unit(s)	RL	A1
Lead (Pb)	Absent	mg/kg	2	ND
Comment				**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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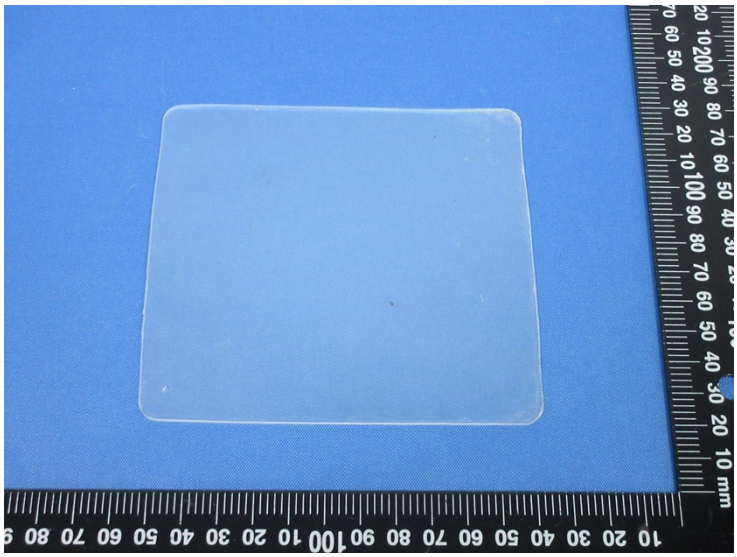
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Sample Photo:



SZX26-0013437-0001.C001

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