

Test Report

No.: TSNHL26000834201

Date: Mar 12, 2026

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Client Name: HEBEI MSD GLASS TECHNOLOGY CO.,LTD.

Client Address: ECONOMIC DEVELOPMENT ZONE, HEJIAN CITY, HEBEI PROVINCE

Sample Description: HALOGLAS Energy materials

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

SGS No.: TJHL2603001649CW

Sample Receiving Date: Mar 06, 2026

Testing Period: Mar 06, 2026 ~ Mar 12, 2026

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

Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Comment
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 with amendments, DIN 51032:2017 - Leachable Lead and Cadmium	Pass
3	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, ALS Opinion Number 2017/15 - Leachable cobalt	Pass

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

Patrick Kou

Patrick Kou
Approved Signatory

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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	TSN26-0008342-0001.C001	yellow glass	HALOGLAS

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).

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	100°C, 2 hrs

Test Item(s)	Limit	Unit(s)	A1
Area/Volume	-	dm ² /kg	10.0
Sensorial examination odour	2.5	-	0
Sensorial examination taste	2.5	-	0
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 with amendments, DIN 51032:2017 - Leachable Lead and Cadmium

Test Method: With reference to EN 1388-2:1995, analysis was performed by AAS/ICP-OES.

A1 Flatware Pass

	Vol. of 4% acetic acid used (mL)	Surface Area (dm ²)
1	187	1.12

	Leachable Lead (mg/dm ²)	Leachable Cadmium (mg/dm ²)
1	<0.1	<0.01
Limit	0.8	0.07

Notes:

(1) Flatware: With an internal depth less than 25mm, measured from the lowest point to the horizontal plane passing through the overflow point.

(2) Hollowware: Those articles which do not fall into the category of Flatware.

Permissible limits for articles made from ceramics, glass and glass ceramics

Items	Flatware		Hollow-ware	
	Lead mg/dm ²	Cadmium mg/dm ²	Lead mg/L	Cadmium mg/L
Table ware and kitchen utensils made of ceramics, glass and glass ceramics	0.8 ^a	0.07 ^a	4.0 ^a	0.3 ^a
Cooking and baking equipment, packaging containers, storage containers made of ceramic, glass and glass ceramics	0.4	0.05	1.5 ^a	0.1 ^a

Note: ^a In accordance with the EU directive on ceramic objects.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, ALS Opinion Number 2017/15 - Leachable cobalt

Test Method: With reference to EN 1388-2:1995, analysis was performed by ICP-OES.

A1 Flatware Pass

	Vol. of 4% acetic acid used (mL)	Surface Area (dm ²)
1	187	1.12

	Leachable Cobalt (mg/dm ²)
1	<0.01
Limit	0.02



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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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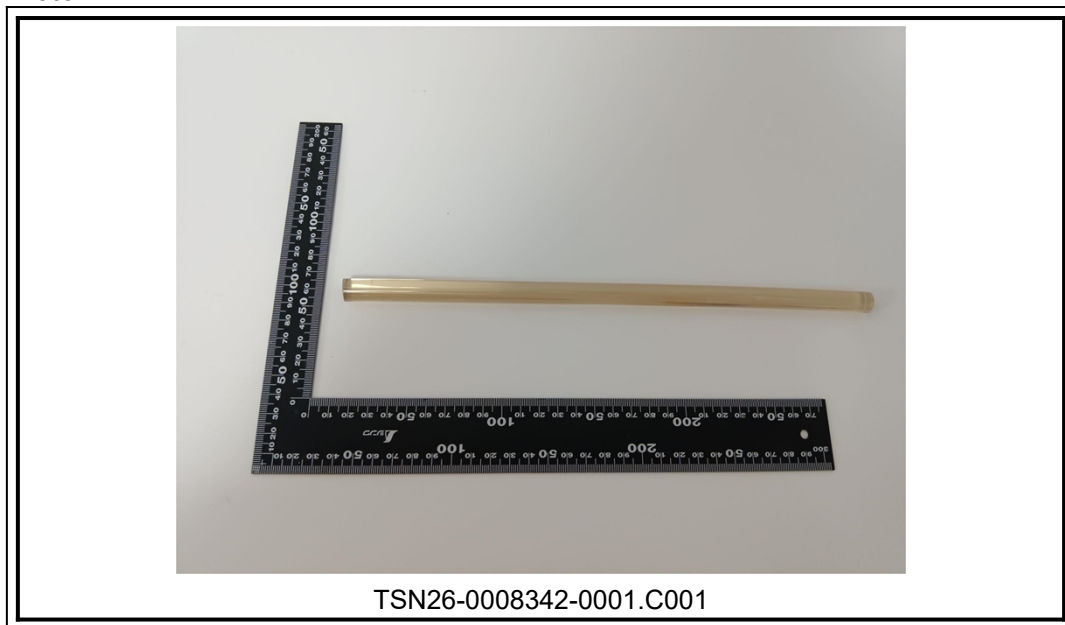
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Sample Photo:



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*** End of Report ***



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