



Czech

TÜV SÜD Czech s.r.o.
Novodvorská 994/138
142 21 Prague 4

INSPECTION REPORT

issued in accordance with ČSN EN ISO/IEC 17020

File number: 15.315.930

Purpose of inspection: Assessment of product conformity with the requirements of European Parliament and Council Regulation (EC) No. 1935/2004 on materials and articles intended for contact with food; European Parliament and Council Regulation (EC) No. 10/2011 on plastic materials and articles intended to come into contact with food; and Decree No. 38/2001 Coll., Hygienic requirements for products intended for contact with foodstuffs, as amended

Customer (Importer): **Vigour International s.r.o**
Terronská 813/31
160 00 Praha, Bubeneč
IČO: 29051452, DIČ: CZ 29051452,

Contact person of customer:
Ihor Kucheruk
tel.: +420608201041, obchod@teploceramic.cz
2023-04-10
5402302711.1000

Order No. of:
TÜV SÜD Czech s.r.o order.:

Inspected device

Name: **Glass straws**

Manufacturer: "Armiglass" LLC,
Address: 35113, Ukraine, Rivne region, Ostrozhets,
Nezalezhnosity str. 3/5, Code 44073104

Type (or description of the sample): Product No.: -

Material: Glass

Picture: see Appendix 1

For assessing the conformity, the following standards and regulations have been used as a specification:

European Parliament and Council Regulation (EC) No. 1935/2004 on materials and articles intended for contact with food; European Parliament and Council Regulation (EC) No. 10/2011 on plastic materials and articles intended to come into contact with food; Act No. 258/2000 Coll., Public Health Protection, as amended; and Decree No. 38/2001 Coll. Hygienic requirements for products intended for contact with foodstuffs, as amended.



Czech

Inspection Report file no. 15.315.930

And these attached documents:

Test report no. 22460/2023 dated 10 May 2023 issued by the Institute of Public Health in Ostrava - Centre of Hygienic Laboratories, Testing Laboratory accredited by ČIA, No. 1393.

Performed steps

Test parameters of the sample "**Glass straws**" in accordance with requirements of European Parliament and Council Regulation (EC) No. 10/2011 and the Regulation No. 38/2001 Coll. as amended:

A. Glass straws – Armiglass – 4% acetic acid

- 1) Lead content
- 2) Cadmium content

B. Glass straws – Armiglass – 0,2% citric acid

- 1) Sensory evaluation using 0,2% citric acid as a simulator

The methodologies for determining analytes and for the sensory analysis are listed in Test Report no. 22460/2023, which is Appendix 2 of this Inspection Report.



Czech

Inspection Report file no. 15.315.930

On the basis of conducted inspection, we submit the following inspection

conclusion:

The evaluation of the test results was based on the requirements of European Parliament and Council Regulation (EC) No. 1935/2004 on materials and articles intended for contact with food; Act No. 258/2000 Coll., Public Health Protection; as amended, and Decree No. 38/2001 Coll. Hygienic requirements for products intended for contact with foodstuffs, as amended.

Based on the test results given in Test Report no. 22460/2023, the product

Glass straws
Manufacturer: "Armiglass" LLC

COMPLY in scope of these parameters with the requirements of European Parliament and Council Regulation (EC) No. 1935/2004 on materials and articles intended for contact with food; Act No. 258/2000 Coll., Public Health Protection, as amended; and Decree No. 38/2001 Coll. Hygienic requirements for products intended for contact with foodstuffs, as amended.

Appendices:

Appendix 1: Picture – **Glass straws** (total 1 page)

Appendix 2: Test Report no. 22460/2023 dated 10 May 2023 issued by the Institute of Public Health in Ostrava - Centre of Hygienic Laboratories, Testing Laboratory accredited by ČIA, No. 1393 (Total 4 pages, including appendices).

The above listed inspection conclusion shall apply under the following conditions:

The outcomes of inspection presented in this inspection report are related only to the inspected device. The inspection report may not be reproduced otherwise than as a whole unless agreed to by TÜV SÜD Czech s.r.o. and the customer. The appendices above are an integral part of this Inspection Report.

On the basis of this inspection report the inspection certificate has not been issued.

In Prague, 15 May 2023

TÜV SÜD Czech s.r.o. Inspector


Ing. Milan Kroutil, Ph.D.

TÜV SÜD Czech s.r.o. Business Unit Manager


Ing. Petr Navrátil





Czech

Inspection Report file no. 15.315.930

Test results

Summary:

A. Glass straws – Armiglass - 4% acetic acid

Order	Parameter	Result	Evaluation
1)	Lead content	<0,000015 mg/dm ²	PASS
2)	Cadmium content	<0,0000060 mg/dm ²	PASS

B. Glass straws – Armiglass – 0,2% citric acid

Order	Parameter	Result	Evaluation
1)	Sensory evaluation using 0,2% citric acid as a simulator	<i>Taste of simulator: acidic, no foreign flavours, no changes.</i> <i>Appearance of simulator: clear colourless liquid, no sediments, no changes.</i> <i>Appearance of the sample after exposure: no changes.</i> <i>Odor of simulator: no foreign odour, no changes</i>	PASS

Note: Uncertainties in measurements and indicative limit values are given in Test Report no. 22460/2023, which is Appendix 2 of this Inspection Report.

Appendix 1 of Inspection Report no. 15.315.930

Glass straws



**Institute of Public Health in Ostrava**

Centre of Hygienic Laboratories

CAI Accredited Testing Laboratory No.1393 according to ČSN EN ISO/IEC 17025:2018

Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava

L 1393

TEST REPORT No. 22460/2023

Customer : TÜV SÜD Czech s.r.o.
Novodvorská 994/138
142 21 Praha 4

Set No. : 11702
Sample Received : 19.4.2023 7:00
Sample Analyzed : 19.4.2023 - 5.5.2023
Ref. No. : ZU/10228/2020
File No. : S-ZU/10228/2020
File code : 2.0.4

Sample information

Sample No.: 38659
Sampling date: not mentioned **Sampling time:** not mentioned
Sample name: glass straws – Armiglass - 4% acetic acid
Sample Type: materials for contact with foodstuffs, cosmetic products, toys, products for children up to three years, products coming into direct contact with human organism
Sampled by: customer
Mode of sampling: not mentioned
Purpose: on the request customers

Results - chemical analysis

Parameter	Value	Unit	*Limit	Type	Method used	Uncertainty
lead	<0,000015	mg/dm ²	max.0,8	A	SOP OV 201	¹ -
cadmium	<0,0000060	mg/dm ²	max.0,07	A	SOP OV 201	¹ -

* Limit (source for the reporting statements of conformity), uncertainty of measurements not included in the assessment:
Decree of the Ministry of Health of the Czech Republic No. 38/2001 Coll. as amended, appendix 9, paragraph 1

Notice to sampling: The sampling itself is not a subject of accreditation.

Notice to analysis:

Before analysis the sample was cleaned with detergent and rinsed with demineralized water.

Conditions of leaching: 4% acetic acid, for 24 hours., at temperature 22±2°C. Simulant volume of 242,4 ml was in contact with area of 242,4 cm².

Appendix is an inseparable part of the test report.

Sample information

Sample No.: 38660
Sampling date: not mentioned **Sampling time:** not mentioned
Sample name: glass straws – Armiglass - 0,2% citric acid
Sample Type: materials for contact with foodstuffs, cosmetic products, toys, products for children up to three years, products coming into direct contact with human organism
Sampled by: customer
Mode of sampling: not mentioned
Purpose: on the request customers

Results - sensoric and qualitative analysis

Parameter	Description	*Limit	Type	Method used
odour	simulant: no foreign odour, without changes	without changes	A	SOP OV 124 ¹

Results - sensoric and qualitative analysis				
Parameter	Description	*Limit	Type	Method used
appearance	simulant: clear colourless liquid, no sediments, without changes sample after exposure: without changes	without changes	A	SOP OV 124 ¹
taste	simulant: acidic, no foreign flavours, without changes	without changes	A	SOP OV 124 ¹

*** Limit (source for the reporting statements of conformity), uncertainty of measurements not included in the assessment:**
Regulation (EC) No 1935/2004 of the European Parliament and of the Council as amended, Article 3

Statements of conformity:

The sample No. 38659 (in the range of analysed parameters) meet Decree of the Ministry of Health of the Czech Republic No. 38/2001 Coll. as amended.

The sensory analysis of the sample No. 38660 did not show any odor and taste changes, they are not influenced by organoleptic Properties. This is in line with the requirements of Regulation (EC) No 1935/2004 of the European Parliament and of the Council as amended, Article 3.

Notice to sampling: The sampling itself is not a subject of accreditation.

Notice to analysis:

Before analysis, the sample was washed with detergent and rinsed with demineralized water.

Sensoric assessment: Sample was in contact with simulant of foodstuffs - 0,2% citric acid, for 2 hours., at temperature 70±2°C. Analysis was performed repeatedly (3x consecutive). 3. leaching (III.interval) was evaluated.

Appendix is an inseparable part of the test report.

Method specification :

SOP OV 124 (ČSN ISO 6658, ČSN 58 0120, AHEM 24/1986 , AHEM 13/1982)

SOP OV 201 (ČSN EN ISO 17294-1, ČSN EN ISO 17294-2)

Laboratory workplace:

⁽¹⁾ - analyses performed at Ostrava (Partyzánské náměstí 2633/7, Moravská Ostrava, 702 00 Ostrava)

Methods in TYPE column: "A" within the scope of accreditation

< the result is below the detection limit, > the result is higher than the value presented

Results deal with tested samples only.

If the laboratory is not responsible for the sampling phase, the results refer to the sample as received.

Without a written consent of the laboratory, this Report can be reproduced only complete.

These expanded uncertainties of measurement are obtained by multiplying of standard uncertainty of measurement by extending coefficient k=2 (for confidence level 95%). Uncertainty of sampling not included.

If the sampling is not subject to accreditation, information about the sample, except the sample number, was provided by the customer and the laboratory is not responsible for this information.

Checked by: Kohutová Hana, Ing., Ph.D.
Completed by: Kohutová Hana, Ing., Ph.D.
Number of pages: 3
Date: 10.5.2023

Mgr. Ivona Smolová
Deputy Head of Hygienic Laboratories Center

Mgr. Ivona Smolová
11.05.2023 09:11:15

Digitálně podepsal

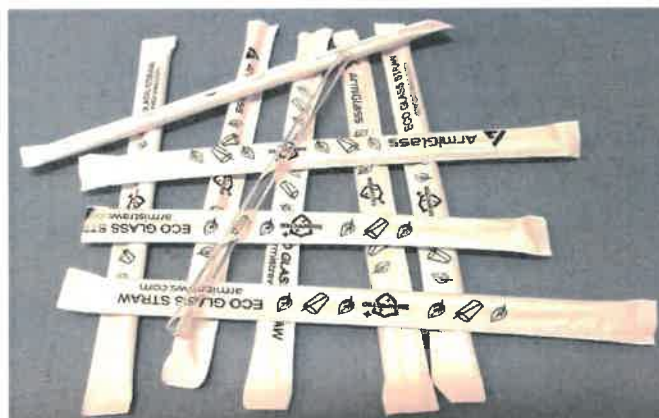
Mgr. Ivona Smolová
Zdravotní ústav se sídlem v Ostravě



End of protocol

SET NO.: 11702/2023

APPENDIX OF TEST REPORT NO. 22460/2023



Sample No. 38659, 38660

