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# Expert Opinion

## Certificate according to food law

**Certificate No.:** 2101558e **Date:** 2021-08-12

**Client:** Stoelzle Częstochowa Sp. z o.o.  
ul. Warszawska 347  
42-209 Częstochowa  
POLAND

**Product:** glass container G-100 100ml;  
Stoelzle Czestochowa Sp. z.o.o.  
  
Recipe according to message from 2021-06-28

**Description:** Glass container

**Order:** Order of 2021-06-29

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## 1 DECLARATION

The composition of the product complies with Art. 3 (1) of the Regulation (EC) No. 1935/2004 relating to materials and articles intended to come into contact with food.

The mentioned products in the announced composition and on condition of appropriate processing are permissible food contact materials according to § 16 (1) of the Austrian Law for Food Safety and Consumer Protection (LMSVG).

The results of heavy metal release testing in OFI test report no. 2101558/14857e comply with the limits that apply to lead, cadmium, zinc, antimony and barium as laid down in Directive 84/500/EEC and the Austrian Regulation No. 893 on ceramic articles. In addition, the results comply with the limits that apply to the tested elements as laid down in the Council of Europe Resolution CM / Res (2013) 9 for articles made of metal and metal alloys.

## 2 CONDITIONS

Regarding LMSVG there are no objections against the use of the products in direct contact with food, if they are manufactured in continuous and perfect quality and properly processed according to their application, so that there is no unfavorable influence to the intended food – neither directly nor indirectly; has the latter particularly applied also to the organoleptic characteristics of food.

The finished products have to meet restrictions and specifications as well as migration limits mentioned by the relevant regulations (e.g Directive 84/500/EEC, Austrian Regulation No. 893 on ceramic articles, etc.).

In the case of the products, it must be ensured that there is no contamination of any coating agents on the inside of the finished glass containers.

The assessment is based on the condition that the composition of the products was announced completely and no other substances are present.

If declarations of compliance were submitted, we assumed that they are complete with respect to the composition of the products and especially meet all the requirements of Commission Regulation (EU) No. 10/2011 (Annex IV).

All statements refer exclusively to the above mentioned products with the declared composition. Any change in the recipe shall be communicated to OFI immediately.

As defined by Art. 17 of Regulation (EC) No. 178/2002 operators shall insure by proper inspections that requirements of food law are met and - if required - that necessary measures for correction of deficiencies and minimizing risk are taken.

In addition operators at all stages of production, processing and distribution within the businesses under their control shall ensure traceability of products as defined by Art. 17 of Regulation (EC) No. 1935/2004.

The present certificate is issued by OFI Technologie & Innovation GmbH within the framework of an authorization by the Federal Ministry for Health according to § 73 LMSVG.

Following § 17 (2) LMSVG this certificate shall be valid for 5 years. In case of change of processing procedure, law or new toxicological data, this certificate loses its validity. In case of change of general conditions concerning product quality (e.g. composition, processing), statutory requirements and/or new risk assessments by the European food Safety Authority (EFSA), this certificate will cease to be valid.

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4 sheets with 0 table(s), 0 figure(s) and 0 appendix(es).

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Kirchnawy Christian  
Testing engineer

Washuettl Michael  
Authorized Expert

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# Test Report

**Report No.:** 2101558 / 14857e **Date:** 2021-08-12

**Client:** Stoelzle Częstochowa Sp. z o.o.  
ul. Warszawska 347  
42-209 Częstochowa  
POLAND

**Subject:** glass container G-100 100ml;  
Stoelzle Czestochowa Sp. z.o.o.

**Task:** Determination of heavy metal release

**Order:** Order of 2021-06-29

**Date of sampling:** —

**Location of sampling:** No samples taken by OFI staff  
Samples provided by the client

**Receipt of samples:** 2021-03-31

## **1 SCOPE OF WORK**

According to the contract, the heavy metal release from the samples submitted was tested for compliance with the respective limits.

## **2 SCOPE OF APPLICATION**

The results given in this Test Report have been obtained under the specific conditions of the individual tests. As a rule they are not the only criteria for assessing the product in question and its suitability for a specific purpose of application.

## **3 LEGAL BASIS**

- Council Directive 84/500/EEC of 15 October 1984 on the approximation of the laws of the Member States relating to ceramic articles intended to come into contact with foodstuffs (OJ L 277, 20 October 1989)
- Commission Directive 2005/31/EC of 29 April 2005 amending Council Directive 84/500/EEC as regards a declaration of compliance and performance criteria of the analytical method for ceramic articles intended to come into contact with foodstuffs (OJ L 110, 30 April 2005)
- Regulation No. 893 of the Austrian Federal Minister for Health, Sports and Consumer Protection on ceramic articles and enamel-lined articles (Regulation on ceramic articles) on behalf of the Republic of Austria (issued on 23 December 1993)
- Regulation No. 259 of the Austrian Federal Minister for Health and Women amending the Regulation on ceramic articles (issued on 12 July 2006)
- Resolution CM/Res(2013)9 - Guideline for food contact materials and articles made from metals and alloys of Council of Europe

## **4 SAMPLE MATERIAL**

Our client submitted the following samples for the purpose of testing:

- 4.1 a sufficient quantity of glass container, Bottle description: G-100 100ml, Hot End Coating: Certincoat TC100, Cold End Coating: RP40 30-40 CTU; Manufacturer: Stoelzle Czestochowa Sp. z.o.o.

### **Other documents submitted by our client:**

No (other) documents submitted.

## **5 TESTS**

Testing took place from 2021-07-13 to 2021-07-16.

The tests were carried out in the individual technical departments within the scope of competence of the authorised signatories according to the OFI QM manual.

### **5.1 Determination of heavy metal release**

The containers of sample 4.1 were filled up to 3 cm below the brim with a solution of 4% acetic acid in distilled water and stored in a dark place for 24 hours at  $(22\pm 2)$  °C. The heavy metals were determined by ICP-MS according to EN ISO 17294-2: Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 2: Determination von 62 elements; issued 02/2005, in cooperation with an accredited partner institute. Each sample was tested in duplicate.

## **6 RESULTS**

### **6.1 Determination of heavy metal release**

Results can be seen in Table 1:

**Table 1:** Results of heavy metal release testing (mean values of 2 single values)

sample	Lead [mg/L]	Cadmium [mg/L]	Zinc [mg/L]	Antimony [mg/L]	Barium [mg/L]	Aluminum [mg/L]	Tin [mg/L]	Manganese [mg/L]
Sample 4.2	< 0.001	< 0.0002	0.007	< 0.001	< 0.0005	< 0.01	< 0.002	< 0.001

*According to Directive 84/500/EEC, the following limits apply:*

lead: 1.5 mg/L; cadmium: 0.1 mg/L

According to the Austrian Regulation No. 893 on ceramic articles, the following limits apply:

zinc: 3 mg/L; antimony: 1 mg/L; barium: 1 mg/L

*According to Resolution CM/Res(2013)9, the following limits (SRL) apply:*

aluminum: 5 mg/kg; tin: 100 mg/kg

lead: 0.01 mg/kg; cadmium: 0.005 mg/kg; zinc: 5 mg/kg; antimony: 0.04 mg/kg; barium: 1.2 mg/kg

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5 sheets with 1 table(s), 0 figure(s) and 0 appendix(es).



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Krojer Peter  
Testing engineer

Washüttl Michael  
Director in charge

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