



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI. a. s.

třída Tomáše Bati 299. Louky. 763 02 Zlín. Czech Republic

TESTING LABORATORY - TESTING DIVISION

issues

ATTEST

No. 472115173-01

On sample:

94044 PANTHONY Porcelain mug

Client:

Paul Stricker SA

Zona Industrial de Murte de, Lt 5, 3060-372 Murte de, Portugal

VAT: 501888640

Evaluation of the measured parameters:

Evaluated parameters of the samples mentioned on the pages 3 - 5 **meet** requirements for **products from silicate materials** given by Council Directive 84/500/EEC of 15th October 1984, relating to ceramic articles intended to come into contact with foodstuffs amended by the Commission Directive 2005/31/EC of 29th April 2005.

The evaluated samples meet requirements of the article 3 of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council on materials and articles intended to come into contact with food.

This Attest was issued on the basis of the accredited test report Ref. No. 472115173-01 issued on June 7, 2022.

Issued on: June 7, 2022
Valid till: June 30, 2025




Dipl. Ing. Jiří Samsonek. Ph.D.
Head of the testing laboratory

Conditions for use of the Attest and associated information:

1. The Attest applies only to the sample tested by our laboratory.
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ATTEST
No. 472115173-01
Submitted samples:



102- Pink



103 - black



105 - red



108 - yellow



114 - royal blue



122 - dark pink



128 - orange



139 - lime green



144 - turquoise blue



94046-106 - white



104 - blue



inner surface

Fig. No. 94044 PANTHONY Porcelain mug



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Values obtained:

Assessment of organoleptic properties

94044 PANTHONY Porcelain mug

Assessor No.	Unit	Drinking water, filled at 100 °C and to cooling down 23°C/ 2hrs	
		Odour	Flavour
1	level	0	0
2	level	1	0
3	level	1	0
4	level	0	1
5	level	0	1
6	level	0	0
Mean	level	0.5	0.5

Notes to the table:

Off-odour and off-taste scale:

0 = No perceptible off-odour or off-taste

1 = Just perceptible off-odour or off-taste (off-odour and off-taste determination is very difficult)

2 = Slightly perceptible off-odour or off-taste

3 = Clearly perceptible off-odour or off-taste

4 = Strong off-odour or off-taste

According to Regulation (EC) No. 1935/2004 of the European Parliament and of the Council the articles shall not cause deterioration in the organoleptic characteristics of food.

Evaluation of the content of selected elements in the leachate

94044 102 - PANTHONY Porcelain mug – Pink

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate: category II - articles that can be filled; filling volume: 420 ml					
Pb	mg/l	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 4.0
Cd	mg/l	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.3
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

Notes to the table:

¹⁾ Symbol „<“ means less than LOD (limit of detection) of the analytical method

²⁾ Limit values according to Council Directive 84/500/EEC.



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ATTEST

No. 472115173-01

Values obtained:

94044 103 - PANTHONY Porcelain mug – black

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

94044 105 - PANTHONY Porcelain mug – red

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

94044 108 - PANTHONY Porcelain mug – yellow

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

94044 114 - PANTHONY Porcelain mug – royal blue

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

94044 122 - PANTHONY Porcelain mug – dark pink

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

Notes to the tables:

- ¹⁾ Symbol „<“ means less than LOD (limit of detection) of the analytical method
- ²⁾ Limit values according to Council Directive 84/500/EEC.

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ATTEST
No. 472115173-01
Values obtained:

94044 128 - PANTHONY Porcelain mug – orange

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

94044 139 - PANTHONY Porcelain mug – lime green

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

94044 144 - PANTHONY Porcelain mug – turquoise blue

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

94046 106 - PANTHONY Porcelain mug – white

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

94044 104 - PANTHONY Porcelain mug – blue

Parameter	Unit	Test result ¹⁾		Uncertainty	Limit ²⁾
		Single results	Average		
Leachate from drinking rim; volume of test solution: 450 ml					
Pb	mg/article	<0.01; <0.01; <0.01; <0.01	<0.01	-	max. 2.0
Cd	mg/article	<0.001; <0.001; <0.001; <0.001	<0.001	-	max. 0.2

Notes to the tables:

- 1) Symbol „<“ means less than LOD (limit of detection) of the analytical method
- 2) Limit values according to Council Directive 84/500/EEC.

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třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic
Testing Laboratory – D2

Attest No. 472115173-01

Sample description and identification:

ITC's number	Sample received on	Sample identification by client	Description of submitted sample
		PANTHONY Porcelain mug:	
15173/1	March 18, 2022	94044 102- Pink	The submitted samples are shown in the figure No.1 on the page 2 of this attest.
15173/2	March 18, 2022	94044 103 - black	
15173/3	March 18, 2022	94044 105 - red	
15173/4	March 18, 2022	94044 108 - yellow	
15173/5	March 18, 2022	94044 114 - royal blue	
15173/6	March 18, 2022	94044 122 - dark pink	
15173/7	March 18, 2022	94044 128 - orange	
15173/8	March 18, 2022	94044 139 - lime green	
15173/9	March 18, 2022	94044 144 - turquoise blue	
15173/10	March 18, 2022	94046 106 – white	
15173/11	May 6, 2022	94044 104 - blue	

Request

The evaluation of hygienic properties of the sample is based on European legislation in the sense of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council *on materials and articles intended to come into contact with food* and Council Directive 84/500/EEC of 15th October 1984 *relating to ceramic articles intended to come into contact with foodstuffs*

Opinions and interpretations:

The evaluated products **“94044 PANTHONY Porcelain mug”** are intended to come into direct contact with foodstuffs.

The requirements for products intended to come into direct contact with foodstuffs are given by Council Directive 84/500/EEC relating to ceramic articles intended to come into contact with foodstuffs, as amended (hereinafter referred to as Directive 84/500) and by European Parliament and Council Regulation No. 1935/2004 (hereinafter referred to as Regulation 1935).

General requirements - Regulation 1935

The products intended to come into contact with foodstuffs shall be manufactured so that, under normal or foreseeable conditions of use, they do not transfer their constituents to food in quantities which could endanger human health or bring about an unacceptable change in the composition of the food or bring about deterioration in the organoleptic characteristics thereof. The performed tests verified that the evaluated samples do not influence the organoleptic properties of the food (see the tables on the page 3 of this attest). The constituent transferring is discussed further.

Requirements for the silicate products Directive 84/500

Hygienic requirements for ceramic, porcelain products and products with enamelled surface are mentioned in Directive 84/500. The submitted samples belong according to the rules specified in § 19 to category 2 (products that can be filled).

The migrations of lead and cadmium from inner surface and from the drinking rim to the 4% aqueous solution of acetic acid were performed on the submitted samples. All the test results met the requirements for lead and cadmium migration (see the tables on the pages 4 - 5 of this attest). Hygienic requirements according to the article 19 are fulfilled.

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Attest No. 472115173-01

The opinion expressed and interpretation made by:
Dipl. Ing. Ludmila Zálešáková. June 7, 2022

Conclusion:

Comparison of the obtained values of the samples with the requirements Council Directive 84/500/EEC, as amended and of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council and evaluation of the conformity with these regulations are listed on the page 1 of this Attest.

Dipl. Ing. Daniel Vít
Head of the laboratory of analytical
chemistry and microbiology

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