



**TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**  
**Technical and Test Institute for Construction Prague**  
Akreditovaná zkušební laboratoř, Autorizovaná osoba, Notifikovaná osoba, Certifikační orgán, Inspekční orgán  
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**Odštěpný závod ZKUŠEBNÍ ÚSTAV LEHKÉHO PRŮMYSLU**  
**Branch Office Test Institute of the Light Industries**  
Nemanická 441/8, 370 10 České Budějovice

Certificate Body

issues

# PROTOCOL

on product certification result

No.: 100-065012

Product name:

Utility porcelain decorated and undecorated, colored and white  
Utility ceramics

to the applicant

G. Benedikt Karlovy Vary s. r. o.

ID: 49711989  
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order: Z100210189

Number of protocol pages incl. the title one: 6

Person responsible for content and correctness of this Protocol:



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České Budějovice, 3<sup>rd</sup> June 2021

Note: This protocol can be copied as the whole only, otherwise a written approval of the Deputy Head of Certification Body is necessary.

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## 1. General data

### 1.1 Data about the applicant

- G. Benedikt Karlovy Vary s. r. o., 1. máje 30, 360 06 Karlovy Vary
- ID: 49711989

### 1.2 Data about product

- Utility porcelain decorated and undecorated, colored and white
- Utility ceramics

Samples tested in 2021:

Sample no.	Sample name
293/2021	<b>White plate with fragments of decorative colors</b> – decor M305, 12855, M709, 14191, M303, 15856, 1667.02, 172203, M514, 15850, 121901, 121918, 13856, M507, M704, IN42, M201, M106, M212, 11857, M711, M307, 12868, 824, 1569, M415, H7025, B18, B03, H7074, M115, M210, M306, M107, H7074, M118, M603, M610, H7075, M710, 1772.02, M213, 11858
294/2021	<b>White plate with fragments of decorative colors</b> – decor M 101, M 102, M 103, M 104, M 105, M 106, M 107, M 109, M 110, M 111, M 112, M 113, M 114, M 115, M 116, M 117, M 118, M 119, M 120, M 201, M 202, M 204, M 205, M 206, M 207, M 209, M 210, M 211, M 212, M 301, M 304, M 305, M 306, M 307, M 310, M 311, M 312, M 405, M 407, M 409, M 411, M 412, M 413, M 414, M 415, M 501, M 502, M 503, M 504, M 505, M 506, M 507, M 508, M 509, M 510, M 511, M 512, M 513, M 514, M 517, M 601, M 602, M 603, M 604, M 605, M 606, M 607, M 608, M 609, M 610, M 611, M 612, M 613, M 701, M 702, M 703, M 704, M 705, M 707, M 708, M 709, M 710, M 711, M 712, M 713, M 714
295/2021	<b>White plate with fragments of decorative colors</b> – decor H 55031, H 7009, 19850, M 303, M 305, M 206, M 709, M 602, M 703, M 702, M 606, M 614, 18852, H 7069, H 7023, 1761.02, 1762.02, 16855, 16856, M 412, M 404, M 405, M 408, M 415, M 514, M 507, 15850, 15856, 141900, 14850
296/2021	<b>White plate with fragments of decorative colors</b> – decor M 210, M 209, M 202, M 201, 121916, 121901, 12855, 12856, 1569, H 7014, 122200, 12868, 12862, 12861, M 510, M 509, M 508, M 213, 1472.02, M 103, M 107, M 106, M 112, M 118, M 115, H 7048, 11861, 11859, 11858, 11857
297/2021	<b>White plate with fragments of decorative colors</b> – decor A 01, A 02, A 023, A 03, A 031, A 032, A 04, A 041, A 042, A 05, A 06, A 07, A 08, A 081, A 09, A 10, A 101, A 11, A 12, A 13, A 14, A 15, A 16, A 17, A 18, A 20, A 21, A 211, A 22, A 23, A 24, A 25, A 26, A 27, A 273 D, A 28, A 29, A 30, A 301 D, A 31, A 311 D, A 32, A 33, A 34, A 35, A 351, A 36, A 37, A 38, A 39, A 393, A 40, A 41, A 42, A 43, A 44, A 45, A 46, A 47, A 48, A 49, A 50, A 51, A 52, A 53, A 54
298/2021	<b>White plate with fragments of decorative colors</b> – decor B 01, B 02, B 03, B 04, B 05, B 06, B 07, B 08, B 09, B 10, B 11, B 12, B 13, B 14, B 15, B 16, B 17, B 18, B 19, B 20, B 21, B 22, B 23, B 24, B 25, B 26, B 27, B 28/2101, B 291, B 30, B 31, B 32, B 33, B 331, B 334, B 34, B 35, B 36, B 37, B 38, B 39, B 40, B 41, B 412, B 42, B 43, B 44, B 45, B 46, B 461, B 47, B 48, B 49, B 50, B 51, B 52, 230
299/2021	<b>White plate with fragments of decorative colors</b> – decor 172203, 171455, 16855, 18852, 16856, 15850, 14850, 15856, 19850, 121916, 141910, 131917, 17856, 171918, 13856, 132203, 13855, 171456, M 405, M 202, M 209

Sample no.	Sample name
300/2021	<b>White plate with fragments of shiny and matt gold and platinum (glaze / fusible decor)</b>
301/2021	<b>Bowl with glaze – utility ceramics - low-melting porcelain mass (type Granite)</b>
302/2021	<b>Bowl without glaze – utility ceramics – low-melting porcelain mass (type Granite)</b>
303/2021	<b>White mug with fragments of decorative colors over the drinking edge (yellow-red)</b>
304/2021	<b>White mug with fragments of decorative colors over the drinking edge (blue-green)</b>
305/2021	<b>White mug</b>

Samples tested in 2018:

Sample no.	Sample name
237/2018	<b>Reactive glaze – color modifications (bowl)</b>
238/2018	<b>Modification of colored glazes with and without pigment (baking dish)</b>
239/2018	<b>Modification of colored glazes (mug with colored rim)</b>

### 1.3 Data list submitted by the applicant for the product certification

- Application from 2021-05-21.

### 1.4 List of other documents used by the product certification

- Affidavit dated May 18, 2021 that there have been no changes in production since the last certification in 2018.

### 1.5 Technical specification, technical standards relating to the product certification

- Act No. 258/2000 Coll., on the protection of public health
- Decree of the Ministry of Health No. 38/2001 Coll., on hygienic requirements for products intended for contact with food and foodstuffs, as amended
- Commission Directive 2005/31/EC 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
- The Regulation (EC) No. 1935/2004 of the European Parliament and of the European Council, on materials and subjects intended for contact with foodstuffs and about cancellation of directives No. 80/590/EEC and 89/109/EEC.

## 2. Result of data review submitted by the applicant

- Data submitted were checked on 2021-05-18.

## 3. Product checking

### 3.1. Technical requirements

The product was evaluated according to Act No. 258/2000 Coll., On the protection of public health, to the Decree of the Ministry of Health No. 38/2001 Coll., On hygienic requirements for products intended for contact with food and foodstuffs, as amended, in the monitored properties:

- Determination of hazardous metals Pb and Cd in acetic acid extract - § 19, Annex No. 9, point No. 1.1 – category No. 1, point No. 1.2 – category No. 2, point No. 1.4 – drinking edge
- Assessment of organoleptic properties of a sample - § 3 (1)

### 3.2. List of Test and checking reports:

- The Test Report No.100-065011 dated 2021-06-01, issued by TZÚS Prague, s.p. – Branch Office ZÚLP Test Institute of Light Industries České Budějovice
- The Protocol on product certification result No.100-061801 dated 2018-05-31, issued by TZÚS Prague, s.p. – Branch Office ZÚLP Test Institute of Light Industries České Budějovice

### 3.3. Evaluation of test results and product checking

#### Evaluation of cadmium and lead in leachate:

The stated Pb and Cd values were determined, when measuring the acetic acid extract by the AAS method on the CONTRAA 800D instrument.

The extract was prepared according to the standards ČSN EN 1388-1, ČSN EN 1388-2 under the following migration conditions:

- 4% acetic acid, at 22 ° C (± 2 ° C), for 24 hours (± 0.5 hours)

#### Category 1

Sample no.	Sample name	Units	Pb	Cd
293/2021	White plate with fragments of decorative colors	mg/dm <sup>2</sup>	<0.05	<0,01
295/2021	White plate with fragments of decorative colors	mg/dm <sup>2</sup>	<0.05	<0,01
296/2021	White plate with fragments of decorative colors	mg/dm <sup>2</sup>	<0.05	<0,01
297/2021	White plate with fragments of decorative colors	mg/dm <sup>2</sup>	<0.05	<0,01
298/2021	White plate with fragments of decorative colors	mg/dm <sup>2</sup>	<0.05	<0,01
299/2021	White plate with fragments of decorative colors	mg/dm <sup>2</sup>	<0.05	<0,01
300/2021	White plate with fragments of shiny and matte gold and platinum	mg/dm <sup>2</sup>	<0.05	<0,01
<b>Requirements of the Decree</b>		<b>mg/dm<sup>2</sup></b>	<b>&lt; 0,8</b>	<b>&lt; 0.07</b>

Samples No. 293, 295–300 / 2021 meet the requirements of the Decree of the Ministry of Health No. 38/2001 Coll.:

Determination of hazardous metals Pb and Cd in acetic acid extract - § 19, Annex No. 9, point No. 1.1 – category No. 1.

Category 2

Sample no.	Sample name	Units	Pb	Cd
294/2021	White plate with fragments of decorative colors	mg/l	<0.05	<0.01
301/2021	Bowl with glaze – utility ceramics	mg/l	<0.05	<0.01
302/2021	Bowl without glaze – utility ceramics	mg/l	<0.05	<0.01
237/2018	Reactive glaze - color modifications (bowl)	mg/l	<0.05	<0.01
238/2018	Modification of colored glazes with and without pigment (baking dish)	mg/l	<0.05	<0.01
239/2018	Modification of colored glazes (mug with colored rim)	mg/l	<0.05	<0.01
<b>Requirements of the Decree</b>		<b>mg/l</b>	<b>&lt; 4.0</b>	<b>&lt; 0.3</b>

Samples No. 294. 301–302 / 2021 and 237–239 / 2018 meet the requirements of the Decree of the Ministry of Health No. 38/2001 Coll.:

Determination of hazardous metals Pb and Cd in acetic acid extract - § 19. Annex No. 9. point No. 1. 2 – category No. 2.

Edge for drinking

Sample no.	Sample name	Units	Pb	Cd
303/2021	White mug with fragments of decorative colors over the drinking edge (yellow-red)	mg/subject	<0.05	<0.01
304/2021	White mug with fragments of decorative colors over the drinking edge (blue-green)	mg/subject	<0.05	<0.01
<b>Requirements of the Decree</b>		<b>mg/subject</b>	<b>&lt;2.0</b>	<b>&lt;0.20</b>

Samples No. 303–304 / 2021 meet the requirements of the Decree of the Ministry of Health No. 38/2001 Coll.:

Determination of hazardous metals Pb and Cd in acetic acid extract - § 19. Annex No. 9. point No. 1. 4 – drinking edge.

Evaluation of assessment of organoleptic properties under test conditions:

- Evaluation was carried out on the sample of the boiled drinking water after a period of 48 hours infusing at room temperature

0 Taste intensity - without undesirable odour or taste

1 Taste intensity - slight odour or taste or small differences between tested samples and control ones

2 Taste intensity – perceptible odour or taste

3 Taste intensity – strong odour or taste

Sample No. 305 – White mug				
Property monitored	Test procedure	Test result	Required/ declared level	Evaluation
Organoleptic determination	non accredited test	0	0 - 1	compliant

#### 4. Conclusion

The submitted samples of “Utility porcelain decorated and undecorated, colored and white” and of “Utility ceramics” **complied** in the monitored parameters with the requirements of:

- Act No. 258/2000 Coll., on the protection of public health
- Decree of the Ministry of Health No. 38/2001 Coll., on hygienic requirements for products intended for contact with food and foodstuffs, as amended
- Commission Directive 2005/31/EC 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
- The Regulation (EC) No. 1935/2004 of the European Parliament and of the European Council. on materials and subjects intended for contact with foodstuffs and about cancellation of directives No. 80/590/EEC and 89/109/EEC.

Findings and conclusions given in this protocol are valid provided that no change of conditions occurs which the conformity checking was carried out under and if this change can influence products properties (e.g. change of technical standards. technical specification. manufacturing technology. input raw materials and manufacturing equipment).

- END OF THE PROTOCOL ON PRODUCT CERTIFICATION RESULT -