



LABTECH s.r.o.,
Accredited Testing Laboratory No. 1147
Hygienic Laboratory,
Pod Nemocnicí 683, 339 01 Klatovy



Protocol on accredited examination No. 8309/2024

Order No. 224012

Client : **Jizerská porcelánka, s.r.o.**

Sample received on: 30.4.2024

Údolní 138
468 61 Desná
Czech Republic

Basic statement

Work requested:	Evaluation of Hygienic properties in the sense of Regulation (EC) No.1935/2004 of the Council on materials and articles intended to come into contact with foodstuffs and Council 84/500/EEC, which relates to ceramic articles intended to come into contact with foodstuffs, as amended.
Name of product:	WHITE GLAZED LABORATORY PORCELAIN
Identification number of samples:	12289-12293/2024
detailed description	12289 – beaker, Fig. 2 12290 – combustion crucible, Fig. 1 12291 - lid on combustion crucible, Fig.1 12292 – mortar, Fig. 3 12293 – pestle, Fig. 3
Producer	Jizerská porcelánka, s.r.o.
Sample description	Products according to the customer's data are made from raw material C110 and meet the requirements of the ČSN EN 60672-3 (see Fig. 1.– 3.)
Details of test conditions: <i>The test were performed</i> on specified samples whose shapes include possible product variants. Sample testing was ensured in accordance with Decree No. 38/2001 and EN 1388-2 standard. Exposure of the simulant (4% acetic acid) was performed on the surface of the sample coming into contact with food. The method used corresponded to samples, which can be filled (beaker, cup) and also samples which cannot be filled (cap and pestle). <i>The assessment of hygienic properties</i> is based on European legislation in the sense of Regulation EC 1935/2004 of the European Parliament and of the Council on materials and articles intended to come into contact with foodstuffs.	
Test beginning: 14.6.2022	Test termination: 3.10.2022

Table 1. Results of determination of samples which can be filled, resp. serve as cooking ware

Subject of the examination: leachate of acetic acid (4% v/v, 22°C, 24h)								
Parameter	value obtained and limit value (mg/l)					method used	method type	uncertainty
	12289	12290	limit value*	12292	limit value*			
	beaker	combustion crucible	(category No. 3)	mortar	(category No.2)			
Pb	<0,001	<0,001	1,5	<0,001	4	ICP 03A, ČSN EN ISO 17294, (ICP/MS)	A	not stated
Cd	<0,0001	<0,0001	0,1	<0,0001	0,3			not stated

*specific migration limit valid for category 2 or 3, according to Decree No. 38/2001 Coll., Annex No.9;
Notes: Blank was subtracted; A.. examination within the scope of accreditation

Table 2. Results of determination of samples which cannot be filled

Subject of the examination: leachate of acetic acid (4% v/v, 22°C, 24h)						
Parameter	value obtained and limit value (mg/l)			method used	method type	uncertainty
	12291	12293	limit value*			
	lid	mortar	(category No.1)			
Pb	<0,0002	<0,0002	0,8	ICP 03A, ČSN EN ISO 17294, (ICP/MS)	A	not stated
Cd	<0,00002	<0,00002	0,07			not stated

*specific migration limit valid for category 1, according to Decree No. 38/2001 Coll., Annex No.9;
Notes: Blank was subtracted; A.. examination within the scope of accreditation

Table 3. Assessment of organoleptic properties

Subject of examination	unit	Odour difference*	Flavour difference*
Beaker – average value for 5 assessors	level	0	0
Crucible – average value for 5 assessors	level	0	0

*the articles shall not cause deterioration in the organoleptic characteristic of food:
0.. off-odour and off-taste; 1..just perceptible off-odour and off-taste ; 2..slightly perceptible off-odour and off-taste ; 3..clearly perceptible off-odour and off-taste ; 4.. strong perceptible off-odour and off-taste; value 0 - 2 are considered as satisfactory

Expert opinion and interpretation:

Requirements: According to the Decree 38/2001 Coll. (§3 and §19), relating to hygienic requirements for the articles intended to come into contact with foodstuffs, as amended, the migration limits of leads and cadmium from ceramic articles shall not exceed limits included in the Annex No.9 of this decree, as well as, in Directive 84/500/EEC.

Conclusion: The comparison of obtained results with limits of the Decree No. 38/2001 Coll., as amended, of the Council Directive 84/500/EEC, as amended, and articles 3 of European Parliament and Council Regulation No. 1935/2004, **the evaluation samples meet the migration limits for lead and cadmium** required for category 1 (articles which cannot be filled), category 2 (articles which can be filled) and category 3 (cooking ware).

The product does not affect the organoleptic properties of food.

Report elaborated by: RNDr. Svatopluk Krýsl, CSc.

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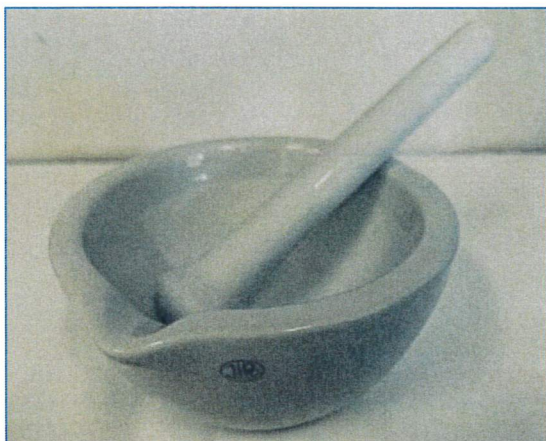


Fig. 1 Mortar with pestle



Fig. 2 Combustion crucible with lid



Fig. 3 Beaker



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Pod Nemocnicí 683, 339 01 Klatovy

ASSESSMENT OF PRODUCTS IN CONTACT WITH FOOD WHITE GLAZED LABORATORY PORCLAIN

Producer:

Jizerská porcelánka s.r.o.,
Údolní 138, 468 61 Desná, Czech Republic

According to the Decree 38/2001 Coll. (§3 and §19), relating to hygienic requirements for the articles intended to come into contact with foodstuffs, as amended, the migration limits of lead and cadmium from ceramic articles shall not exceed limits included in the Annex No.9 of this Decree, as well as in Directive 84/500/EEC and articles 3 of European Parliament and Council Regulation No. 1935/2004.

Based on the performed leaching tests - see protocol No. 8309/2024 - it can be stated that:

The evaluated samples meet the migration limits for lead and cadmium required for **category 1** (articles which cannot be filled), **category 2** (articles which can be filled) and **category 3** (cooking ware).

The product does not affect the organoleptic properties of food.

Klatovy, 19th May 2024


Mgr. Jiří Míka
Head of Accredited Labour



