

**Könitz Porzellan GmbH**  
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**07333 Könitz**  
**DEUTSCHLAND**

Fürth, October 27/2021

## TEST REPORT No. FUFDCP2021-07899

Date sample received: September 09/2021  
Period of testing: September 14/2021 - October 27/2021  
Technical Director: Kerstin Scharrer  
Food contact testing according to client's request  
Testing according to: Reg(EC)1935/2004, LFGB

### Abbreviations

\* = Test method is not part of the accreditation scope  
\*\* = Outsourcing  
n.a. = not applicable  
n.t. = not tested  
n.d. = not determinable (< LoQ)  
LoQ = limit of quantification  
CS = Combined sample  
P = passed  
F = failed

<b><u>Sample description:</u></b>	<b>Flow</b>	<b>Item No.: 11 1 242 2673</b>
	<b>Flow</b>	<b>Item No.: 11 5 162 2673</b>
	<b>Teaherbs</b>	<b>Item No.: 11 7 268 2677</b>
	<b>GHMILY Better together</b>	<b>Item No.: 11 2 016 2683</b>
	<b>GHMILY -little Valentine</b>	<b>Item No.: 11 2 057 2682</b>
	<b>Little Prince – pattern</b>	<b>Item No.: 11 2 057 2648</b>
	<b>Koi</b>	<b>Item No.: 11 5 255 2684</b>
	<b>Oriental</b>	<b>Item No.: 11 5 255 2687</b>
	<b>Ornaments</b>	<b>Item No.: 11 5 255 2688</b>



No. 2	No. 5	No. 4	No. 7	No. 8	No. 3	No. 9	No. 6	No. 1
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Sample No.	Sample description	
1	Flow (11 1 242 2673)	cup with big colorful paint flecks
2	Flow (11 5 162 2673)	To go cup with big colorful paint flecks
3	Teaherbs	cup with herbs and flowers
4	GHMILY Better together	big cup with rabbits and lettering
5	GHMILY – little Valentine	small cup with rabbits in a heart of flowers
6	Little Prince – pattern	cup with colorful small dots
7	Koi	cup with Koi fish pattern
8	Oriental	cup with copper, green, dark and light blue pattern
9	Ornaments	cup with gold, green, light blue and grey pattern

## 1. Metal migration of ceramic - Hollow ware

Method: DIN EN 1388-1/-2: 1995-11 / ICP-OES: DIN EN ISO 11885: 2009-09

Test conditions: 4% acetic acid (24h / 20-22°C), filled

Filling volume: Sample No. 1: 350 ml Sample No. 2: 250 ml Sample No. 3: 150 ml  
Sample No. 4: 500 ml Sample No. 5: 380 ml Sample No. 6: 380 ml  
Sample No. 7: 450 ml Sample No. 8: 500 ml Sample No. 9: 450 ml

Sample	No. 1	No. 2	No. 3	LOQ
Cadmium mg/l	n.d.	n.d.	n.d.	0.005
Lead mg/l	0.053	0.025	0.011	0.010
Cobalt mg/l	n.d.	n.d.	n.d.	0.010
Status	passed	passed	passed	

Sample	No. 4	No. 5	No. 6	LOQ
Cadmium mg/l	n.d.	0.021	n.d.	0.005
Lead mg/l	n.d.	n.d.	n.d.	0.010
Cobalt mg/l	n.d.	n.d.	n.d.	0.010
Status	passed	passed	passed	

Sample	No. 7	No. 8	No. 9	LOQ
Cadmium mg/l	n.d.	n.d.	n.d.	0.005
Lead mg/l	0.019	n.d.	0.040	0.010
Cobalt mg/l	n.d.	n.d.	n.d.	0.010
Status	passed	passed	passed	

**Requirements:**

Cadmium: max. 0.3 mg /l  
Lead: max. 4.0 mg /l  
Cobalt: max. 0.05 mg/l

**2. Metal migration of ceramic – Drinking rim**

Method: DIN 51032: 2017-07\* - ICP-OES: DIN EN ISO 11885: 2009-09

Test conditions: 4% acetic acid (24h / 20-22°C)

Filling volume: Sample No. 1: 180 ml Sample No. 2: 120 ml Sample No. 3: 100 ml  
Sample No. 4: 230 ml Sample No. 5: 200 ml Sample No. 6: 180 ml  
Sample No. 7: 200 ml Sample No. 8: 200 ml Sample No. 9: 500 ml

Drinking rim: 20 mm

Measurement insecurity: 20%

Sample	No. 1	No. 2	No. 3	LOQ
Cadmium mg/article	0.005	n.d.	n.d.	0.005
Lead mg/article	0.058	0.054	0.018	0.010
Cobalt mg/l	0.020	0.019	n.d.	0.010
Status	passed	passed	passed	

Sample	No. 4	No. 5	No. 6	LOQ
Cadmium mg/article	n.d.	n.d.	n.d.	0.005
Lead mg/article	n.d.	n.d.	n.d.	0.010
Cobalt mg/l	n.d.	n.d.	0.022	0.010
Status	passed	passed	passed	

Sample	No. 7	No. 8	No. 9	LOQ
Cadmium mg/article	n.d.	n.d.	0.016	0.005
Lead mg/article	n.d.	0.020	0.265	0.010
Cobalt mg/l	n.d.	0.043	n.d.	0.010
Status	passed	inconclusive <sup>#</sup>	passed	

<sup>#</sup>considering a measurement insecurity of 20%

**Requirements:**

Cadmium: max. 0.2 mg /article  
Lead: max. 2.0 mg /article  
Cobalt: max. 0.05 mg/l

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