

Test Report No.: 158309555b1 001

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Client: **DEPESCHE VERTRIEB GMBH & CO. KG.**
Vierlander Strasse 14, 21502 Geesthacht, Germany

Test item(s): Mug

Buyer's name: **MS.BIRTE HILLMER**

Identification/ Miss Melody Mug
Model No(s): ITEM NO.: 0013554 / 0413554
ORDER NO.: 13554A

Sample Receiving date: 2025-05-02

Condition at delivery: Test item complete and undamaged

Place of testing: Chemical laboratory Hong Kong

Test specification:

Performed parameters for the compliance with the following regulations concerning materials in contact with foodstuff:

- German §31 LFGB (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch)

Test result:

PASS

Other Information:

Testing period: 2025-05-09 – 2025-05-16

Information provided by client:
Country of origin: CHINA
Export to: EUROPE

For and on behalf of
TÜV Rheinland (Hong Kong) Ltd.



2025-05-19

Charles Ng/ Technical Manager

Date

Name / Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.

This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Material List:

Material No.	Material	Color	Location
M001	Ceramic	White	Interior of mug (Item 13554)
M004	Ceramic	Multi-color	Rim of mug (Item 13554)

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Test Results

1. Release of Heavy Metals from Ceramic Ware

Test method: The test is performed reference to EN 1388-1:1995, EN 1388-2:1995 and DIN 51031:1986 respectively. The concentration of the elements is examined by means of atomic absorption spectroscopy or ICP-MS.

Limit: Pb, Cd: Directive 84/500/EEC
 Co: Working group of food chemistry experts from the federal states and the Federal Office of Consumer Protection and Food Safety (ALS), 109th Session 2017, Opinion No.2017/15
 Zn, Ba, Sb: Austrian Ceramic Ordinance

The following food simulant and condition was applied:

Food simulant	Test duration / Temperature
4% Acetic acid	24 hours at 22°C

Test No.:	T001		
Category:	2		
Internal volume	Less than one litre		
Material No.:	M001		
Parameter	Unit	Result	Limit (*1, 2)
Lead (Pb)	mg/l	< 0.2	4.0
Cadmium (Cd)	mg/l	< 0.02	0.3
Cobalt (Co)	mg/l	< 0.05	0.1
Zinc (Zn)	mg/article	< 0.5	3.0
Barium (Ba)	mg/article	< 0.5	1.0
Antimony (Sb)	mg/article	< 0.5	1.0

Abbreviations:

mg/article = Milligram per article

mg/l = Milligram per litre

< = Less than

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Remarks:

- *1 According to EU Directive 84/500/EEC, articles in contact with food should not exceed the following limits

Category	Description	Lead	Cadmium
1	Articles which can't and articles which can be filled, the internal depth of which, measured from the lowest point to the horizontal plane passing through the upper rim, does not exceed 25 mm	0.8 mg/dm ²	0.07 mg/dm ²
2	Other articles which can be filled	4.0 mg/l	0.3 mg/l
3	Cooking ware; packaging and storage vessels having a capacity of more than three litres	1.5 mg/l	0.1 mg/l

- *2 According to Austrian Ceramic Ordinance (BGBl. Nr. 893/1993 and its amendment), articles in contact with food should not exceed the following limits:

Category	Description	Zinc	Antimony	Barium
Internal volume	Less than one litre	3.0 mg/article ^(#)	1.0 mg/article ^(#)	1.0 mg/article ^(#)
	Greater than one litre	3.0 mg/l	1.0 mg/l	1.0 mg/l

(#) Calculation is based on the internal volume of the article

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2. Release of Heavy Metals from Ceramic Ware- Drinking Rim

Test method: The test is performed reference to EN 1388-1:1995, EN 1388-2:1995 and DIN 51031:1986 respectively. The concentration of the elements is examined by means of ICP-MS.

Limit: Acc. to TÜV Rheinland Test Protocol under the scope of Regulation EC 2023/2006 with reference to DIN 51032 and Austrian Ceramic Ordinance

The following food simulant and condition was applied:

Food simulant	Test duration / Temperature
4% Acetic acid	24 hours at 22°C

Test No.:	T001				
Category:	Drinking Rim				
Internal volume:	Less than one litre				
Material No.:	M004				
Parameter	Unit	RL	Result	Limit (*1, 2)	Technically preventable limit
Lead (Pb)	mg/article	0.2	< RL	2	---
Cadmium (Cd)	mg/article	0.02	< RL	0.2	---
Cobalt (Co)	mg/article	0.05	< RL	---	0.05
Zinc (Zn)	mg/article	0.5	< RL	3.0	---
Barium (Ba)	mg/article	0.5	< RL	1.0	---
Antimony (Sb)	mg/article	0.5	< RL	1.0	---

Abbreviations:

RL = Reporting Limit

mg/article = Milligram per article

< = Less than

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Remarks:

*1 According to DIN 51032, articles in contact with food should not exceed the following limits:

Category	Description	Lead	Cadmium
Drinking rim	Exterior decoration within 20 mm measured from top of rim	2.0 mg/article	0.2 mg/article

*2 According to Austrian Ceramic Ordinance (BGBl. Nr. 893/1993 and its amendment), articles in contact with food should not exceed the following limits:

Category	Description	Zinc	Antimony	Barium
Internal volume	Less than one litre	3.0 mg/article ^(#)	1.0 mg/article ^(#)	1.0 mg/article ^(#)
	Greater than one litre	3.0 mg/l	1.0 mg/l	1.0 mg/l

(#) Calculation is based on the internal volume of the article

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Sample photos:



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