

Test Report

Number: GZHH00370668

Applicant: BAREBONES SYSTEMS,LLC.
1215 EAST WILMINGTON AVENUE -STE.
140 SALT LAKE CITY UT 84106

Date: Jul 16, 2020

Attn: BECK YU

Sample Description:

Seven (7) pieces of submitted sample said to be :

Item Name : **Enamel Salad Plate Set**
Item No. : **CKW-374**
Date Sample Received : Jul 02, 2020
Testing Period : Jul 02, 2020 to Jul 09, 2020

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Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

To be continued



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Conclusion:

Tested Article
Tested component of
Submitted samples

Standard
European Council Directive 84/500/EEC Article 2 and
Commission Directive 2005/31/EC and Regulation
1935/2004 on leachable Lead and Cadmium released
from ceramic article intended to come into contact with
foodstuff


Result
See Comment

EU Technical Guide Council of Europe Resolution
CM/Res(2013)9 on metals and alloys Used in Food
Contact Materials and Articles on specific migration of
heavy metal

Pass

Comment: The scope of the standard was not applicable to the submitted samples. Testing was conducted with
reference to the test method and requirements as stated.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines


Victor T.J. Wang
Assistant General Manager



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Intertek Testing Services Shenzhen Limited, Guangzhou Branch

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Tests Conducted

1 Leachable Lead and Cadmium Content - Internal Surface

As per European Council Directive 84/500/EEC and Commission Directive 2005/31/EC by Atomic Absorption Spectrophotometric (AAS) analysis.

Test condition: 4% acetic acid, 20-24°C, 24 hours

Tested Sample/ component(1):

Tested Specimen	Surface Area (dm ²)	Leaching Volume (ml)	Result			
			Lead		Cadmium	
			mg/dm ²	mg/l	mg/dm ²	mg/l
(1)	3.63	420	ND(<0.05)	ND(<0.05)	ND(<0.03)	ND(<0.03)
(2)	3.63	420	ND(<0.05)	ND(<0.05)	ND(<0.03)	ND(<0.03)
(3)	3.63	420	ND(<0.05)	ND(<0.05)	ND(<0.03)	ND(<0.03)
(4)	3.63	420	ND(<0.05)	ND(<0.05)	ND(<0.03)	ND(<0.03)
Average :			ND(<0.05)	ND(<0.05)	ND(<0.03)	ND(<0.03)
Limit (category 1/3) :			0.8	1.5	0.07	0.1

ND = Not detected

Tested Components : See component list in last section of this report.

2 Release Testing on Metals and Alloys Used in Food Contact Materials and Articles

With reference to EU Technical Guide "Council of Europe Resolution CM/Res(2013)9 on metals and alloys Used in Food Contact Materials and Articles". Migration test was carried out and heavy metal content was determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and Inductively Coupled Plasma Mass Spectrometer (ICP-MS) .

I. Test Condition:

Temperature: 70 °C Time: 2 hours



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II. Test Result:

Food simulant: Citric acid (5 g/L)

Tested component (2) :							
Elements	Result 1 st test (mg/kg)	Result 2 nd test (mg/kg)	Result 1 st test+Result 2 nd test (mg/kg)	Result 3 rd test (mg/kg)	Reporting Limit (mg/kg)	7*Limit (mg/kg)	Limit (mg/kg)
Silver (Ag)	ND	ND	ND	ND	0.05	0.56	0.08
Aluminium (Al)	ND	ND	ND	ND	1	35	5
Chromium (Cr)	0.09	ND	0.09	ND	0.02	1.75	0.250
Cobalt (Co)	ND	ND	ND	ND	0.01	0.14	0.02
Copper (Cu)	ND	ND	ND	ND	0.5	28	4
Iron (Fe)	1	ND	1	ND	1	280	40
Manganese (Mn)	ND	ND	ND	ND	0.1	12.6	1.8
Molybdenum(Mo)	ND	ND	ND	ND	0.02	0.84	0.12
Nickel (Ni)	0.2	ND	0.2	ND	0.1	0.98	0.14
Tin (Sn)	ND	ND	ND	ND	10	700	100
Vanadium (V)	ND	ND	ND	ND	0.005	0.07	0.01
Zinc (Zn)	ND	ND	ND	ND	1	35	5
Antimony (Sb)	ND	ND	ND	ND	0.01	0.28	0.04
Arsenic (As)	ND	ND	ND	ND	0.001	0.014	0.002
Barium (Ba)	ND	ND	ND	ND	0.1	8.4	1.2
Beryllium (Be)	ND	ND	ND	ND	0.01	0.07	0.01
Cadmium (Cd)	ND	ND	ND	ND	0.001	0.035	0.005
Lead (Pb)	ND	ND	ND	ND	0.005	0.070	0.010
Lithium (Li)	ND	ND	ND	ND	0.010	0.336	0.048
Mercury (Hg)	ND	ND	ND	ND	0.003	0.021	0.003
Thallium (Tl)	ND	ND	ND	ND	0.0001	0.0007	0.0001
Magnesium(Mg)	ND	ND	ND	ND	1	-	-
Titanium(Ti)	ND	ND	ND	ND	1	-	-

ND = Not detected(less than reporting limit)

Remark : The submitted sample is a repeated use article. The migration test was carried out three times on the same article. The sum of the results of the first and second tests should not exceed seven times the limit (Result 1st test + Result 2nd test < 7 * limit) and the Result 3rd test shouldn't exceed the limit.

Ratio of food contact surface area to volume of component (2) used to establish the compliance of material or article = 0.18 dm² : 30 mL.

Tested component(s) : See component list in the last section of this report.



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Component list :

- (1) Metal with grey enamel (body of plate).
- (2) Copper color treated stainless steel (binding of plate).

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification.

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