

Test Report

Number: GZHH00371573

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

Date: Jul 20, 2020

Attn: Beck

Sample Description:

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

Item Name : **Enamel Tea Pot**
Item No. : **CKW-379**
Date Sample Received : Jul 09, 2020
Testing Period : Jul 09, 2020 to Jul 16, 2020

GZHH00371573



Tests conducted:

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

To be continued



Page 1 of 5



Test Report

Number: GZHH00371573


Conclusion:

<u>Tested Article</u>	<u>Standard</u>	<u>Result</u>
Tested component of Submitted samples	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	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



Page 2 of 5

Intertek Testing Services Shenzhen Limited, Guangzhou Branch

深圳天祥质量技术服务有限公司广州分公司

#111 TCL Cultural Industry Park, Guangpu-west Road, Science City, High and New Technology Industrial Development Zone, Guangzhou. / Block E, No.7-2 Caipin Road, Guangzhou Science City, GETDD, Guangzhou.
广州高新技术产业开发区科学城光谱西路 69号 TCL文化产业园汇创空间 111/广州经济技术开发区科学城彩频路 7号之二 510663

Tel +8620 8213 9688
Fax +8620 3205 3537
intertek.com.cn
intertek.com



Test Report

Number: GZHH00371573

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	Leaching Volume (ml)	Result	
		Lead	Cadmium
		mg/l	mg/l
(1)	1700	ND(<0.05)	ND(<0.03)
(2)	1700	ND(<0.05)	ND(<0.03)
(3)	1700	ND(<0.05)	ND(<0.03)
(4)	1700	ND(<0.05)	ND(<0.03)
Limit (category 1/2/3) :		4/1.5	0.3/0.1

Tested Sample/ component(2):

Tested Specimen	Surface Area (dm ²)	Leaching Volume (ml)	Result			
			Lead		Cadmium	
			mg/dm ²	mg/l	mg/dm ²	mg/l
(1)	2.63	439	ND(<0.05)	ND(<0.05)	ND(<0.03)	ND(<0.03)
(2)	2.63	439	ND(<0.05)	ND(<0.05)	ND(<0.03)	ND(<0.03)
(3)	2.63	439	ND(<0.05)	ND(<0.05)	ND(<0.03)	ND(<0.03)
(4)	2.63	439	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.



Page 3 of 5



Test Report

Number: GZHH00371573

Tests Conducted

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: 100 °C

Time:

0.5 hours

II. Test Result:

Food simulant: Artificial tap water (prepare according DIN 10531 Clause 4.2.2.2)

Tested component (3) :							
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)	ND	ND	ND	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)	ND	ND	ND	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)	ND	ND	ND	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	-	-



Page 4 of 5

Intertek Testing Services Shenzhen Limited, Guangzhou Branch

深圳天祥质量技术服务有限公司广州分公司

#111 TCL Cultural Industry Park, Guangpu-west Road, Science City, High and New Technology Industrial Development Zone, Guangzhou. / Block E, No.7-2 Caipin Road, Guangzhou Science City, GETDD, Guangzhou.
广州高新技术产业开发区科学城光谱西路 69号 TCL文化产业园汇创空间 111广州经济技术开发区科学城彩频路 7号之二 510663

Tel +8620 8213 9688
Fax +8620 3205 3537
intertek.com.cn
intertek.com



Test Report

Number: GZHH00371573

Tests Conducted

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 (3) used to establish the compliance of material or article = 0.84 dm² : 140mL.

Component list :

- (1) Metal with grey enamel (body of tea pot).
- (2) Metal with grey/black enamel (lid of tea pot).
- (3) Copper color treated stainless steel (binding of body of tea pot).

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.

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch.



Page 5 of 5

Intertek Testing Services Shenzhen Limited, Guangzhou Branch

深圳天祥质量技术服务有限公司广州分公司

#111 TCL Cultural Industry Park, Guangpu-west Road, Science City, High and New Technology Industrial Development Zone, Guangzhou. / Block E, No.7-2 Caipin Road, Guangzhou Science City, GETDD, Guangzhou.

广州高新技术产业开发区科学城光谱西路 69 号 TCL 文化产业园汇创空间 111/广州经济技术开发区科学城彩频路 7 号之二 510663

Tel +8620 8213 9688
Fax +8620 3205 3537
intertek.com.cn
intertek.com

