

Ningbo Hanks Heating Appliance Technology Co.,Ltd

TEST REPORT

SCOPE OF WORK

Black enamel grid

REPORT NUMBER

231121049GZU-006

TEST DATE(S)

2023-11-23 ~ 2023-11-30

ISSUE DATE

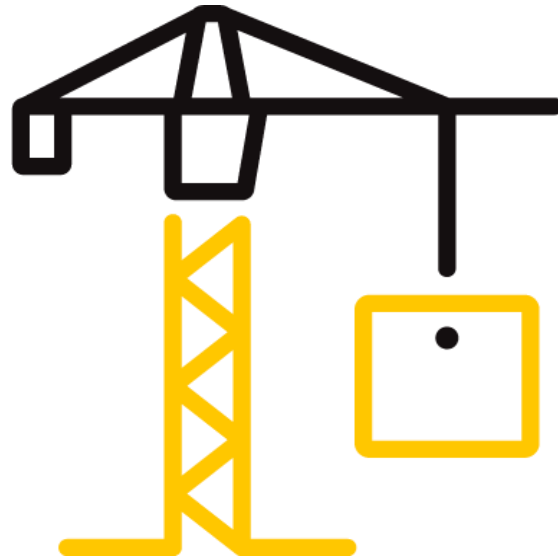
2023-12-04

[REVISED DATE]

/

PAGES

7



Intertek Testing Services Shenzhen Ltd. Guangzhou Branch



DOCUMENT CONTROL NUMBER

TTRF_Performance_02a

Effective date:2020-12-30

© 2020 INTERTEK

Test Report

Report No.: 231121049GZU-006

Report Date: 2023-12-04

Statement

- 1.This report is invalid without authorized person's signature.
- 2.This report is invalid where any unauthorized modification indicated.
- 3.Don't copy this report in partial (except full copy) without any official approval in written by our company.
- 4.This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
- 5.All the tests results give the statement of conformity refer to the decision rule of "Procedure 2 "Accuracy Method" as stated in the IEC Guide 115:2007.

Test Report

Report No.: 231121049GZU-006

Report Date: 2023-12-04

Client Information:

Applicant Name:	Ningbo Hanks Heating Appliance Technology Co.,Ltd
Address:	No. 178 Xinghuang Road, Xiexiang Village, Lanjiang Street, Yuyao City, Zhejiang Province, China
Attn:	/

Product Information:

Product Name	Black enamel grid	Sample Description	Good Condition
Model and/or type reference	/	Received Date	2023-11-21
Sample ID.	S231121049GZU.003	Sample Amount	10 pcs
Manufacturer	Ningbo Hanks Heating Appliance Technology Co.,Ltd		
Address	No. 178 Xinghuang Road, Xiexiang Village, Lanjiang Street, Yuyao City, Zhejiang Province, China		
Test Type	Performance test, samples provided by the applicant		

Test Methods And Standards:

Test Standard	Please refer to next following pages.
Specification Standard	Please refer to next following pages.
Test Conclusion	Please refer to next following pages.

Laboratory information:

Testing Laboratory	Intertek testing services Shenzhen Ltd. Guangzhou Branch
Test location	Room 401/501/601/801/901/1003, No. 8, East BaoYing Road, Huangpu District, Guangzhou, China

Report Authorized :

Approved By:

Andy Guo

Andy Guo
Project Engineer

Checked By:

Jin Liang

Jin Liang
Engineer

Noted: If you have any questions for the report, please contact: lillian.lf.he@intertek.com

Test Report

Report No.: 231121049GZU-006

Report Date: 2023-12-04

Conclusion

According to the test results of below test parameters, the submitted sample complied with the food contacting requirements for §30 and §31 LFGB and Regulation (EC) 1935/2004.

Based on the assessment of the submitted sample and the information provided, the following tests had been conducted:

Test component	Test Standard	Conclusion
Tested component (1) of submitted sample	Sensory Evaluation	Pass
Tested component (1) of submitted sample	ISO 4531:2022 on metal-ions release for vitreous and porcelain enamels	Pass

Test Report

Report No.: 231121049GZU-006

Report Date: 2023-12-04

Test Items, Method and Results:

Sensory Evaluation

With reference to §64 LFGB L00.90-6.

Sample was cleaned according to the product's instruction manual or in the absence of such manual with distilled water. Food simulant was filled in the sample under below mentioned time and temperature. Odour and taste was evaluated with 6 panelists using control sample of food simulant.

I. Test condition:

Food Simulant	Test Temperature	Test Duration
Distilled water	100°C	2 hours

II. Result:

Test Item	Result	Limit
	(1)	
Appearance of simulant	Clear and colourless	Clear and colourless
Odour of simulant	1	< 3.0 (No significant deterioration)
Taste of simulant	1	< 3.0 (No significant deterioration)

Evaluation Scale: 0= no aberration, neutral
1= very slight deterioration, barely perceivable
2= slight deterioration
3= significant deterioration
4= strong deterioration

Tested Component(s):

(1) Black enamel grid (enamel)

Test Report

Report No.: 231121049GZU-006

Report Date: 2023-12-04

Test Items, Method and Results:

Metal-ions Release

As per ISO 4531:2022 clause 10.1.2 release from enamelled articles, 3 successive release tests were taken and 3rd released test solutions were analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and Inductively Coupled Plasma Mass Spectrometer (ICP-MS) with reference to ISO 11885:2007 and ISO 17294-2:2003 respectively .

Test Condition:

Simulant : 3% acetic acid Temperature : 95 °C Time : 0.5 Hours

Test Result:

Elements	Specimen (1) (µg/L)	Specimen (2) (µg/L)	Average (µg/L)	Reporting limit (µg/L)	Limit (µg/L)
Aluminium (Al)	ND	ND	ND	100	1000
Silver (Ag)	ND	ND	ND	10	80
Arsenic (As)	ND	ND	ND	1	2
Barium (Ba)	ND	ND	ND	120	1200
Cadmium (Cd)	ND	ND	ND	1	5
Cobalt (Co)	ND	ND	ND	10	100
Chromium (Cr)	ND	ND	ND	25	250
Copper (Cu)	ND	ND	ND	400	4000
Lithium (Li)	ND	ND	ND	48	480
Manganese (Mn)	ND	ND	ND	180	1800
Molybdenum(Mo)	ND	ND	ND	10	120
Nickel (Ni)	25	13	19	10	140
Lead (Pb)	ND	ND	ND	2	10
Antimony (Sb)	ND	ND	ND	5	40
Vanadium (V)	ND	ND	ND	1	10
Zinc (Zn)	ND	ND	ND	500	5000

ND = Not Detected(less than reporting limit)

Tested Component(s):

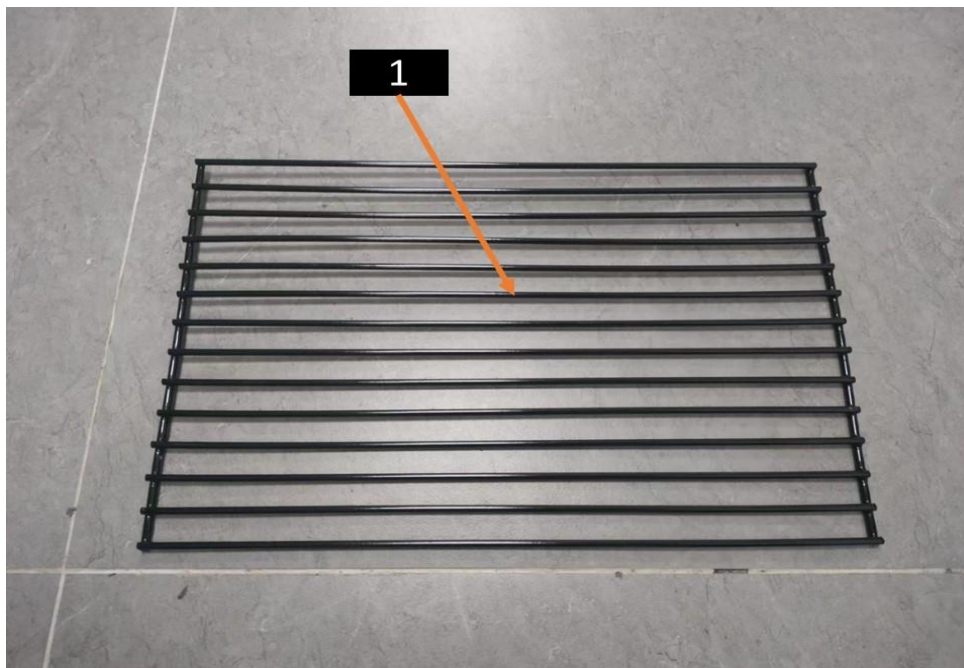
(1) Black enamel grid (enamel)

Test Report

Report No.: 231121049GZU-006

Report Date: 2023-12-04

Appendix A: Sample Received Photo



Revision:

Revision No.	Date	REVISION	Reviser	Reviewer
R0	/	Original Report Issue	/	/

*****End of Report*****