Ningbo Hanks Heating Appliance Technology Co.,Ltd

TEST REPORT

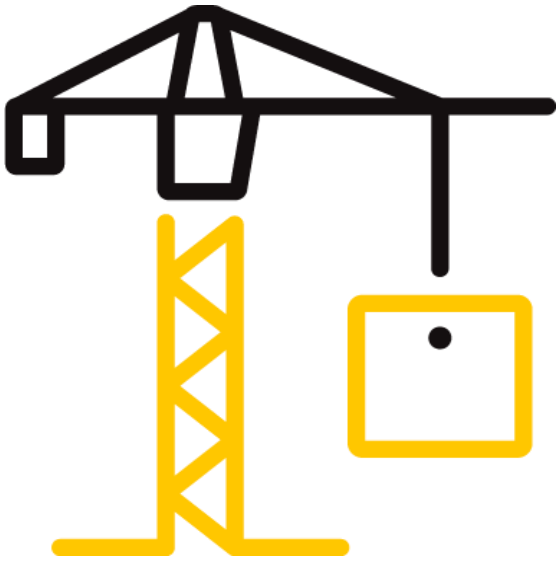
SCOPE OF WORK
Electroplated warming grid

REPORT NUMBER
231121049GZU-005

TEST DATE(S)
2023-11-23 ~ 2023-11-30

ISSUE DATE **[REVISED DATE]**
2023-12-04 /

PAGES
8



Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

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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.

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Client Information:

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

Product Information:

Product Name	Electroplated warming grid	Sample Description	Good Condition
Model and/ or type reference	/	Received Date	2023-11-21
Sample ID.	S231121049GZU.002	Sample Amount	7 pcs
Manufacturer	Ningbo Hanks Heating Appliance Technology Co.,Ltd		
Address	No. 178 Xinghuang Road， Xiaxiang 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

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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	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

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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) Silver electroplated warming grid (Cr-plated)

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Test Items, Method and Results:

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: 2 hours

II. Test Result:

Food simulant: Citric acid (5 g/L)

Tested component (1) :

Elements	Result 1st test (mg/kg)	Result 2nd test (mg/kg)	Result 1st test+Result 2nd test	Result 3rd 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)	0.04	0.02	0.06	ND	0.02	1.75	0.25
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	0.24	0.24	0.1	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	0.01
Lithium (Li)	ND	ND	ND	ND	0.01	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	-	-

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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 (1) used to establish the compliance of material or article = 0.6 dm^2: 100 mL.

Tested Component(s):
(1) Silver electroplated warming grid (Cr-plated)

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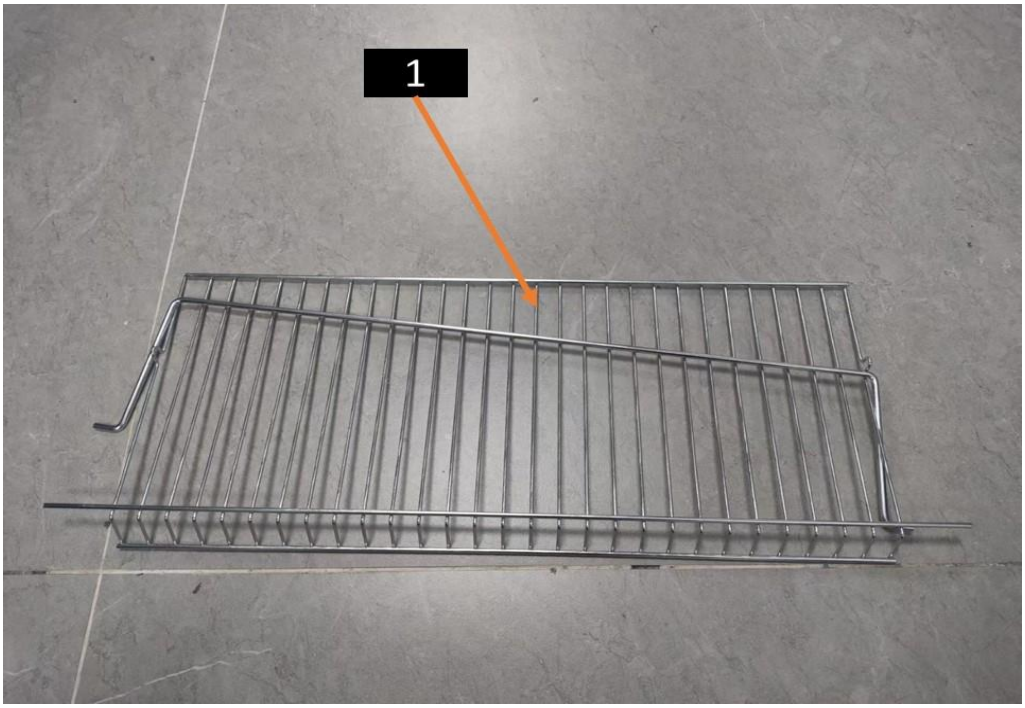
Appendix A: Sample Received Photo



Revision:

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

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