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Client: Jiangmen Weitai Surface Treatment Co., Ltd.

Contact Information: 209A, New Fortune Electroplating Base, Yamen Town, Xinhui District,
Jiangmen City, Guangdong Province, P. R. China

**Identification/
Model No(s):** 831 insulation network
BBQ2022

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2023-04-19

Testing Period: 2023-04-20 to 2023-04-25

Place of testing: Chemical laboratory Shenzhen

Test Specification:

Test conclusion:

Performed parameter(s) for the compliance with the following regulations concerning materials in contact with foodstuff :
- Regulation (EC) No 1935/2004

PASS

For and on behalf of
TÜV Rheinland (Shenzhen) Co., Ltd.


Bing Cao / Engineer

2023-04-27

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:

Item: 831 insulation network
BBQ2022

Material No.	Material	Color	Location
M001	Metal	Silvery	831 insulation network

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Overall Results:

Test No.	Tested item:	Conclusion
1	Sensorial Examination	PASS
2	Specific Release of Metals	PASS

1. Sensorial examination

Test Method: It is examined to the extent of food simulant being used, which comes into contact with the product, undergoes detectable changes in taste and smell.
 For this purpose, the food simulant was stored in the product under the below mentioned time and temperature. Afterwards, the food simulant was examined by an appropriate number of tasters with regard to any divergence in smell and taste. Another test sample, which was used as a reference, was treated by the same way except that it had no contact with the product to be tested.
Before testing, the product had been cleaned according to the product's instruction manual or in the absence of such manual, by normal household cleaning.
 The test is carried out on the basis of ISO 13302 by paired comparison test:

- Evaluation scheme:**
- 0 = No discernible deviation
 - 1 = Barely discernible deviation
 - 2 = Weak deviation
 - 3 = Clear deviation
 - 4 = Strong deviation
 - Limit: 3 (failed)

The following food simulant and condition were applied:

Food simulant	Test duration / Temperature
Water	100°C for 2 hours

Test No.:	T001
Material No.:	M001
Parameter	Result
Transfer of Smell:	0
Transfer of Taste:	0

2. Specific Release of Metals

Test method: The sample preparation is performed with reference to "*Technical Guide on Metals and alloys used in food contact materials*". The migratory behaviour is examined with reference to Chapter V, Article 18 of Commission regulation 10/2011 and its amendments. Presence of elements were detected by means of ICP-MS.

Limit: Technical Guide on Metals and alloys used in food contact materials

The following food simulant and condition was applied:

Food simulant	Test duration / Temperature
0.5% Citric acid	100°C for 2 hours

Test No.:	T001
Sample No.:	M001
Volume to surface area ratio:	167 ml/dm ²

Parameter	Unit	RL	Sum 1 st + 2 nd test		3 rd test	
			Result	Limits* ²	Result	Limits* ¹
Silver (Ag)	mg/kg	0.05	< 0.05	0.56	< 0.05	0.08
Aluminum (Al)	mg/kg	0.1	< 0.1	35	< 0.1	5
Cobalt (Co)	mg/kg	0.01	< 0.01	0.14	< 0.01	0.02
Chromium (Cr)	mg/kg	0.01	0.06	1.75	0.03	0.25
Copper (Cu)	mg/kg	0.5	< 0.5	28	< 0.5	4
Iron (Fe)	mg/kg	5	< 5	280	< 5	40
Manganese (Mn)	mg/kg	0.1	< 0.1	12.6	< 0.1	1.8
Molybdenum (Mo)	mg/kg	0.02	< 0.02	0.84	< 0.02	0.12
Nickel (Ni)	mg/kg	0.01	< 0.01	0.98	< 0.01	0.14
Tin (Sn)	mg/kg	10	< 10	700	< 10	100
Vanadium (V)	mg/kg	0.01	< 0.01	0.07	< 0.01	0.01
Zinc (Zn)	mg/kg	1	< 1	35	< 1	5
Arsenic (As)	mg/kg	0.002	< 0.002	0.014	< 0.002	0.002
Barium (Ba)	mg/kg	0.1	< 0.1	8.4	< 0.1	1.2
Beryllium (Be)	mg/kg	0.01	< 0.01	0.07	< 0.01	0.01
Cadmium (Cd)	mg/kg	0.002	< 0.002	0.035	< 0.002	0.005
Mercury (Hg)	mg/kg	0.003	< 0.003	0.021	< 0.003	0.003
Lithium (Li)	mg/kg	0.02	< 0.02	0.336	< 0.02	0.048
Lead (Pb)	mg/kg	0.01	< 0.01	0.07	< 0.01	0.01
Antimony (Sb)	mg/kg	0.01	< 0.01	0.28	< 0.01	0.04
Thallium (Tl)	mg/kg	0.0001	< 0.0001	0.0007	< 0.0001	0.0001

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Abbreviation : RL= Reporting Limit
mg/kg = Milligram per kilogram
< = Less than

Remark:

- *1 Compliance is established on the findings on the third test for products intended for repeated use.
- *2 In addition, the sum of each metal in the first and second test should not exceed the sevenfold limit.

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Sample Photo



M001

- END -

