

Report No.: 180342469a 001

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Client: YONGKANG SANQIANKE INDUSTRY & TRADE CO.,Ltd

Contact Information: No.99 Huanhu Rd, Jiulong Industrial Area, Yongkang City, Zhejiang, China

Buyer's name:

Identification/	QL044-20CM	strainer 20cm
Model No(s):	QL044-20CM	strainer 20cm
	QL052B-30CM	splatter screen 30cm
	QL048-8CM	strainer 8cm

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2025-08-04

Testing Period: 2025-08-05 to 2025-08-08

Place of testing: Chemical laboratory Ningbo

Test Specification:

Performed parameter(s) for the compliance with the following regulations concerning materials in contact with foodstuff :
- German §31 LFGB (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch)

Test conclusion:

PASS

Other information:

Country of Origin: CHINA

Sales Destination: GERMANY

For and on behalf of
TÜV Rheinland/CCIC (Ningbo) Co., Ltd.

Chris Wang

2025-08-12

Chris W. W. Wang / Assistant Manager

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:	QL044-20CM	strainer 20cm
	QL044-20CM	strainer 20cm
	QL052B-30CM	splatter screen 30cm
	QL048-8CM	strainer 8cm

Material No.	Material	Color	Location
M001	Whole Product	silver	strainer, refer to photo
M001A	Stainless steel 301	silver	refer to photo
M001B	Stainless steel 301	silver	refer to photo

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Overall Results:

Test No.	Tested item:	Conclusion
1	Specific Release of Metals	PASS
2	Sensorial Examination	PASS
3	Stainless Steel Composition Analysis	Please refer to result page

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1. 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 and articles" - 2nd Edition. Presence of elements were detected by means of ICP-MS.

Limit: Technical Guide on Metals and alloys used in food contact materials and articles - 2nd Edition

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					
Material No.:	M001					
Migration Ratio:	1920 / 2.83 ml/dm ²					
			Sum 1 st + 2 nd test		3 rd test	
Parameter	Unit	RL	Result	Limits* ²	Result	Limits* ¹
Silver(Ag)	mg/kg	0.05	< RL	0.56	< RL	0.08
Aluminium(Al)	mg/kg	0.1	< RL	35	< RL	5
Cobalt(Co)	mg/kg	0.01	< RL	0.14	< RL	0.02
Chromium(Cr)	mg/kg	0.01	0.02	7	< RL	1
Copper(Cu)	mg/kg	0.5	< RL	28	< RL	4
Iron(Fe)	mg/kg	5	< RL	280	< RL	40
Manganese(Mn)	mg/kg	0.1	< RL	3.85	< RL	0.55
Molybdenum(Mo)	mg/kg	0.02	< RL	0.84	< RL	0.12
Nickel(Ni)	mg/kg	0.01	< RL	0.98	< RL	0.14
Tin(Sn)	mg/kg	10	< RL	700	< RL	100
Vanadium(V)	mg/kg	0.01	< RL	0.07	< RL	0.01
Zinc(Zn)	mg/kg	1	< RL	35	< RL	5
Zirconium(Zr)	mg/kg	0.1	< RL	14	< RL	2
Arsenic(As)	mg/kg	0.002	< RL	0.014	< RL	0.002
Barium(Ba)	mg/kg	0.1	< RL	8.4	< RL	1.2
Beryllium(Be)	mg/kg	0.01	< RL	0.07	< RL	0.01
Cadmium(Cd)	mg/kg	0.002	< RL	0.035	< RL	0.005
Mercury(Hg)	mg/kg	0.003	< RL	0.021	< RL	0.003
Lithium(Li)	mg/kg	0.02	< RL	0.336	< RL	0.048
Lead(Pb)	mg/kg	0.01	< RL	0.07	< RL	0.01
Antimony(Sb)	mg/kg	0.01	< RL	0.28	< RL	0.04
Thallium(Tl)	mg/kg	0.0005	< RL	0.007	< RL	0.001
Magnesium(Mg)	mg/kg	0.1	< RL	-	< RL	-
Titanium(Ti)	mg/kg	0.1	< RL	-	< RL	-

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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.

2. 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 DIN 10955:2024 by paired comparison test:

Evaluation scheme: 0 = No perceptible difference
 1 = Just perceptible difference (still difficult to define)
 2 = Slight difference (possible to define)
 3 = Marked difference
 4 = Strong difference
 Limit: 3 (failed)

The following food simulants and conditions 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

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3. Stainless Steel Composition Analysis

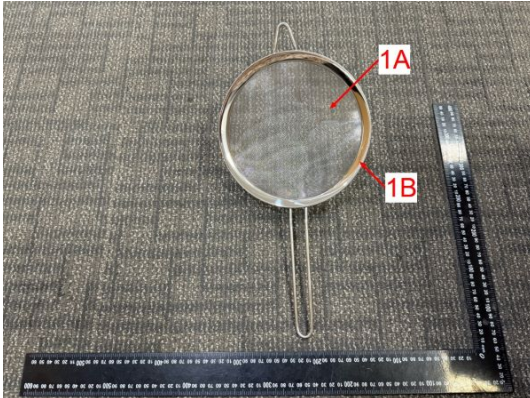
Test Method: Carbon and Sulphur: Refer to ISO 15350
 Other elements: Acid digestion, analysed by ICP-OES

Test No.:	T001		
Sample No.:	M001A		
Parameter	Unit	RL	Result
Chromium (Cr)	%	0.1	18.1
Nickel (Ni)	%	0.1	8.1
Carbon (C)	%	0.01	0.07
Silicon (Si)	%	0.1	0.5
Manganese (Mn)	%	0.1	1.2
Phosphorous (P)	%	0.005	0.017
Sulphur (S)	%	0.010	< RL
Molybdenum (Mo)	%	0.1	< RL

Test No.:	T002		
Sample No.:	M001B		
Parameter	Unit	RL	Result
Chromium (Cr)	%	0.1	18.3
Nickel (Ni)	%	0.1	8.3
Carbon (C)	%	0.01	0.05
Silicon (Si)	%	0.1	0.5
Manganese (Mn)	%	0.1	1.1
Phosphorous (P)	%	0.005	0.018
Sulphur (S)	%	0.010	< RL
Molybdenum (Mo)	%	0.1	< RL

Abbreviations: < = less than
 RL = Reporting Limit
 % = percentage

Sample Photos



Above sample which is by client's declaration made of same material as tested one.

- END -

