

# Test Report

No. NGBEC1900836103

Date: 19 Mar 2019

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NINGBO LARGE STONES HARDWARE&ELECTRICAL TRADING CO.,LTD.  
NO.D-58,TIANDESHANGDU,YUYAO,NINGBO,ZHEJIANG

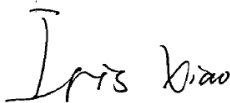
The following sample(s) was/were submitted and identified on behalf of the clients as : 304 Stainless steel fasteners

SGS Job No. : NP19-000724 - NB  
 Date of Sample Received : 11 Mar 2019  
 Testing Period : 11 Mar 2019 - 19 Mar 2019  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 –Sensorial examination odour and taste test (sample 002)	PASS
Council of Europe Resolution CM/Res(2013)9–Extractable heavy metal (sample 002)	PASS

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch



Iris Xiao  
Approved Signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Ningbo Branch Chemical Laboratory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	NGB19-008361.002	Silvery metal screw	Stainless steel

Remarks :

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected ( < MDL)

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 –Sensorial examination odour and taste test (sample 002)**

Test Method : With reference to DIN 10955:2004  
 Test media: Distilled water  
 No. of panelist: 6

Test Item(s)	Limit	002
Test time(hr)	-	24
Temperature(°C)	-	70
Sensorial examination odour (Point scale)	2.5	0
Sensorial examination taste (Point scale)	2.5	0

Notes :

- Scale evaluation:
- 0 – no perceptible difference
  - 1 – just perceptible difference
  - 2 – slight difference
  - 3 – marked difference
  - 4 – strong difference

**Council of Europe Resolution CM/Res(2013)9–Extractable heavy metal (sample 002)**

Test Method : With reference to EN 13130-1:2004, analysis was performed by ICP-MS.

**Sample 002:**



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Simulant Used : 0.5% Citric acid (W/V) aqueous solution

Test Condition : 70 °C 24.0 hr(s)

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>1st + 2nd Migration</u>
Aluminium (Al)	35	mg/kg	0.2	ND
Antimony (Sb)	0.28	mg/kg	0.02	0.15
Chromium(Cr)	1.75	mg/kg	0.1	0.949
Cobalt(Co)	0.14	mg/kg	0.01	0.01
Copper(Cu)	28	mg/kg	0.1	0.6
Iron(Fe)	280	mg/kg	0.25	10.95
Manganese(Mn)	12.6	mg/kg	0.25	1.25
Molybdenum(Mo)	0.84	mg/kg	0.02	0.04
Nickel(Ni)	0.98	mg/kg	0.05	0.21
Silver(Ag)	0.56	mg/kg	0.03	ND
Tin(Sn)	700	mg/kg	5	ND
Vanadium(V)	0.07	mg/kg	0.005	0.012
Zinc(Zn)	35	mg/kg	1	1
Arsenic(As)	0.014	mg/kg	0.001	ND
Barium(Ba)	8.4	mg/kg	0.25	0.74
Beryllium(Be)	0.07	mg/kg	0.005	ND
Cadmium(Cd)	0.035	mg/kg	0.002	ND
Lead(Pb)	0.07	mg/kg	0.005	ND
Lithium(Li)	0.336	mg/kg	0.02	ND
Mercury(Hg)	0.021	mg/kg	0.002	ND
Thallium(Tl)	0.0007	mg/kg	0.0001	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>3rd Migration</u>
Aluminium (Al)	5	mg/kg	0.2	ND
Antimony (Sb)	0.04	mg/kg	0.02	0.03
Chromium(Cr)	0.25	mg/kg	0.1	0.151
Cobalt(Co)	0.02	mg/kg	0.01	ND
Copper(Cu)	4	mg/kg	0.1	ND
Iron(Fe)	40	mg/kg	0.25	1.31
Manganese(Mn)	1.8	mg/kg	0.25	ND
Molybdenum(Mo)	0.12	mg/kg	0.02	ND
Nickel(Ni)	0.14	mg/kg	0.05	ND
Silver(Ag)	0.08	mg/kg	0.03	ND
Tin(Sn)	100	mg/kg	5	ND
Vanadium(V)	0.01	mg/kg	0.005	ND
Zinc(Zn)	5	mg/kg	1	ND
Arsenic(As)	0.002	mg/kg	0.001	ND
Barium(Ba)	1.2	mg/kg	0.25	ND
Beryllium(Be)	0.01	mg/kg	0.005	ND



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>3rd Migration</u>
Cadmium(Cd)	0.005	mg/kg	0.002	ND
Lead(Pb)	0.01	mg/kg	0.005	ND
Lithium(Li)	0.048	mg/kg	0.02	ND
Mercury(Hg)	0.003	mg/kg	0.002	ND
Thallium(Tl)	0.0001	mg/kg	0.0001	ND

Notes :

- (1) Test condition & simulant were specified by client.
- (2) Requirement for repeat use article: According to Council of Europe Resolution CM/Res(2013)9, the result from 3rd migration shall comply with the Specific Release Limit (SRL) and the sum of 1st and 2nd migration shall not exceed seven times of SRL for repeated use articles
- (3) The ratio of surface area to volume ratio was 6.0 dm<sup>2</sup> per 1 kg of foodstuff in contact with.



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