

Test Report

No. TSNHG2001883601

Date: 28 Oct 2020

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XI'AN CHANGXIN HARDWARE CO.,LTD.

ROME 517,TAIHE EAST BUILDING,NO.1,YOUYI STREET,CHANG'AN DISTRICT,XI'AN,SHAANXI,CHINA.

The following sample(s) was/were submitted and identified on behalf of the clients as : 304 STAINLESS STEEL SHEET

SGS Job No. : TJHL2009005941CW - TJ
 Date of Sample Received : 14 Oct 2020
 Testing Period : 14 Oct 2020 - 28 Oct 2020
 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
Italian Decree of Ministry of Health of 21/03/1973 with Amendments, Italian Decree of Ministry 11/11/2013, No 140 - Overall migration	PASS
Italian Decree of Ministry of Health of 21/03/1973 with Amendments, Italian Decree of Ministry 11/11/2013, No 140 - Specific Migration of Nickel, Chromium (III) and Manganese	PASS
Italian Decree of Ministry of Health of 21/03/1973 with Amendments, Italian Decree of Ministry 9 May 2019, No 72 - Composition of Stainless Steel	PASS

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.



Reabeca Zhou
 Approved Signatory

scan to see the report



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	TSN20-018836.001	silver gray metal board	304 STAINLESS STEEL

Remarks :

- (1) mg/dm² = 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)

Italian Decree of Ministry of Health of 21/03/1973 with Amendments, Italian Decree of Ministry 11/11/2013, No 140 - Overall migration

Test Method : With reference to Italian Decree of Ministry of Health of 21/03/1973 with amendments.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall Migration</u>
3% Acetic Acid (W/V) Aqueous Solution	240.0hr(s)	40°C	8mg/dm ²	<3.0mg/dm ²

Notes :

- (1) Analytical tolerance of aqueous simulants is 2mg/dm²

Italian Decree of Ministry of Health of 21/03/1973 with Amendments, Italian Decree of Ministry 11/11/2013, No 140 - Specific Migration of Nickel, Chromium (III) and Manganese

Test Method : With reference to Italian Decree of Ministry of Health of 21/03/1973 with amendments. Analysis was performed by ICP-OES.

Sample 001

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 40 °C 10 days

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
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Migration times	-	-	-	First
Specific migration of Nickel	0.1	mg/kg	0.05	ND
Specific migration of Chromium (III) (as Chromium)	0.1	mg/kg	0.05	ND
Specific migration of Manganese	0.1	mg/kg	0.05	ND

Notes :

(1) The grade of stainless steel is found in the Table A of Italian Decree of Ministry 11/11/2013, No 140 and the grade information provided by the client

Italian Decree of Ministry of Health of 21/03/1973 with Amendments, Italian Decree of Ministry 9 May 2019, No 72 - Composition of Stainless Steel

Test Method : C and S were determined by carbon sulfur analyzer, N by oxygen-nitrogen analyzer, Cr by titration method, Ni by colorimetric analysis, others by acid digestion followed by ICP-OES analysis.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Cu	% (w/w)	0.01	0.02
Ti	% (w/w)	0.01	ND
Al	% (w/w)	0.01	ND
Mo	% (w/w)	0.01	ND
Nb	% (w/w)	0.01	ND
C	% (w/w)	-	0.04*
S	% (w/w)	-	0.006*
N	% (w/w)	-	0.070*
Cr	% (w/w)	-	18.18
Ni	% (w/w)	0.01	8.02*
Si	% (w/w)	0.01	0.43*
Mn	% (w/w)	0.01	0.96*
P	% (w/w)	0.01	0.03*
Sn	% (w/w)	0.01	<0.01*
V	% (w/w)	0.01	0.11*
W	% (w/w)	0.01	<0.01*
Conclusion			PASS

Notes :

(1) The composition result is not found in the Part B of Italian Decree of Ministry 9 May 2019, No 72 and According to ASTM A 959-16/ ASTM A312/312M-17/ BS EN 10088-1, the grade of stainless steel that the composition correspond to is found in the Part A of Italian Decree of Ministry 9 May 2019, No 72.
 (2) *Testing location of this item : The 11th building, No. 69 Kangqiao Industrial Park, Block 1159, East Kangqiao Road, Pudong District, Shanghai, China.

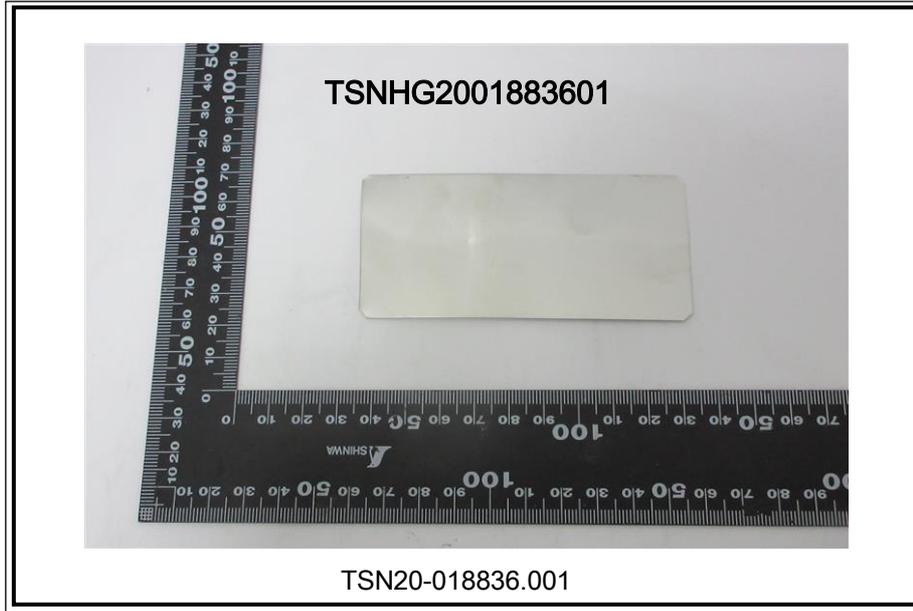


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(3) The test was subcontracted to SGS Shanghai chemical lab.

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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