

Test Report No. 64.441.20.5165.01
Dated 2020-09-25



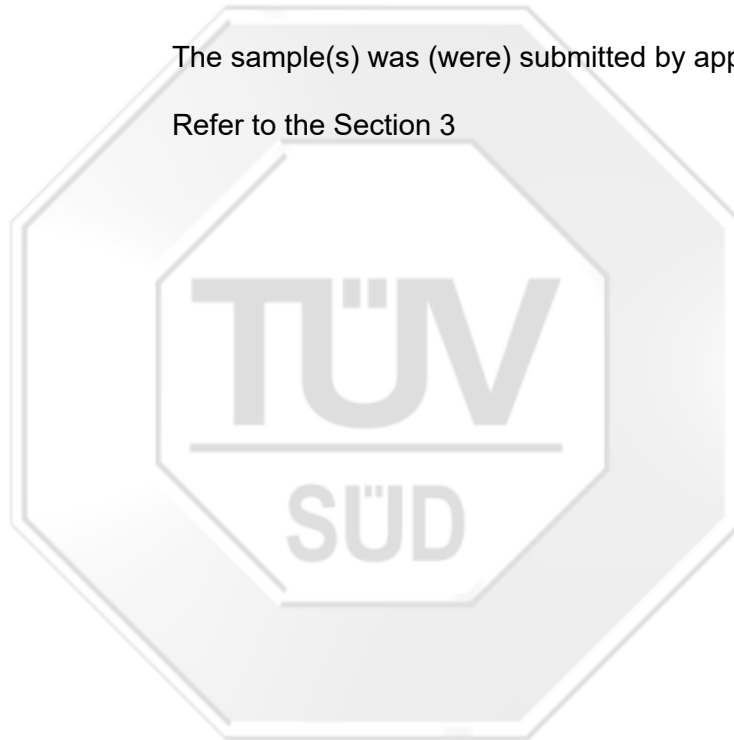
Applicant: AAB Co., Ltd
Address: 3/F Jin Xi Building No.1028, Kang Wang North Road, Li Wan District, Guangzhou, China
Contact Person: Yuki

Sample Description: Ring
Color: Steel
Model No: Steel
Country of Origin: China

Sample Received Date: 2020-09-17
Date of Testing: 2020-09-17 to 2020-09-25

Sample submitted: The sample(s) was (were) submitted by applicant and identified.

Test result(s): Refer to the Section 3



Note:

- (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied.
For full version, please visit: <http://www.tuv-sud.cn/cn-scn/terms-and-conditions>
- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory.
- (4) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

Laboratory:
TÜV SÜD Certification and Testing
(China) Co., Ltd.,
Xiamen Branch
Testing Location: Dongguan
Form No.: TC_XMN_F_24.04 E
Rev: A/0
Effective Date: 2015-03-23


Phone: +86 592 7706188
Fax: +86 592 7706288
E-mail:
report.softlines@tuv-
sud.cn
www.tuv-sud.cn

Regd. Office:
TÜV SÜD Certification and Testing (China) Co., Ltd.,
Xiamen Branch
Unit 401 No.93 Huli Industrial Park, Meixi Road, Tong'an
District, Xiamen 361100 P. R. China





1. Description of the test subject:

Sample	Description	Photo
001	Stainless steel metal ring	 A photograph showing a small, circular stainless steel metal ring placed on a light blue surface. A black ruler with white markings is positioned vertically to the right of the ring, providing a scale for its size. The ring's diameter is approximately 10-12 millimeters.



Test Report No. 64.441.20.5165.01
Dated 2020-09-25



2. Conclusion:

No.	Test Parameter(s)	Conclusion
(1)	Material Identification	#

Note: Pass= Meet Client's Requirement Fail= Below Client's Requirement

Remark: (1) The results relate only to the items tested (2) Samples are tested as received (3) "*" denotes conclusion was drawn according to the client's specification (4) The limit is not applicable to composite sample(s) in result section (5)Disclaimer Measurement Uncertainty: Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.



TÜV SÜD Certification and Testing (China) Co., Ltd. Xia Men Branch

Approved by

Nemo



Jason

Nemo Chen
Softlines Department

Jason Zhao
Softlines Department

Laboratory:
TÜV SÜD Certification and Testing
(China) Co., Ltd.,
Xiamen Branch
Testing Location: Dongguan
Form No.: TC_XMN_F_24.04 E
Rev: A/0
Effective Date: 2015-03-23

Phone: +86 592 7706188
Fax: +86 592 7706288
E-mail:
report.softlines@tuv-
sud.cn
www.tuv-sud.cn

Regd. Office:
TÜV SÜD Certification and Testing (China) Co., Ltd.,
Xiamen Branch
Unit 401 No.93 Huli Industrial Park, Meixi Road, Tong'an
District, Xiamen 361100 P. R. China





3 Test Results

3.1. Material Identification

Reference to SN/T 2718-2010 Determination of chemical composition in stainless steel. Inductively coupled plasma atomic emission spectrometric method
Reference to GB/T 20123-2006 Steel and iron-Determination of total carbon and sulfur content Infrared absorption method after combustion furnace (routine method)
Equipment: Inductively Coupled Plasmas Optical Emission Spectrometer Model No.: Optima 800
Carbon&Sulfur Analyzer, Model No.: CS-2800

Element	The requirements of 316 (wt%)	Content (wt%)
Iron(Fe)	-	Remainder
Carbon(C)	≤ 0.08	0.018
Sulfur(S)	≤ 0.030	0.0010
Silicon(Si)	≤ 1.00	0.39
Manganese(Mn)	≤ 2.00	0.96
Phosphorus(P)	≤ 0.045	0.032
Chromium(Cr)	16.0 - 18.0	16.66
Nickel(Ni)	10.0 - 14.0	10.22
Copper(Cu)	-	0.060
Molybdenum(Mo)	2.00 - 3.00	2.02

Conclusion: Compare to test results and the requirements of 316, the material recommends 316 in ASTM A276/A276M-17 (for reference only)

-- END OF THE TEST REPORT --