

## TEST REPORT

No. : GZIN2405003830ML01\_EN

Date : 2024-06-04

Page: 1 of 3



CUSTOMER NAME: GUANGZHOU BIELSTAGE TECHNOLOGY CO.,LTD  
ADDRESS: NO.6 SHAKENG SECOND INDUSTRIAL ZONE,SHAWAN  
TOWN,GUANGZHOU,CHINA

Sample Name : 50\*3mm Aluminum round tube  
Product Specification : Aluminum 6082 T6

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

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Date of Receipt : 2024-05-29  
Testing Period : 2024-05-29 ~ 2024-06-04  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co., Ltd. Guangzhou  
Branch.

Shining Chan  
Authorized signatory



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Page: 2 of 3

## 1. Chemical Composition Analysis

Element	Test Method	Req.(%)	Result 001 (%)	Con.
Si	ASTM E1251-17a	0.7~1.3	0.84	Pass
Fe	ASTM E1251-17a	≤0.50	0.13	Pass
Cu	ASTM E1251-17a	≤0.10	0.043	Pass
Mn	ASTM E1251-17a	0.40~1.0	0.50	Pass
Mg	ASTM E1251-17a	0.6~1.2	0.72	Pass
Cr	ASTM E1251-17a	≤0.25	0.029	Pass
Zn	ASTM E1251-17a	≤0.20	0.019	Pass
Ti	ASTM E1251-17a	≤0.10	0.035	Pass

Note: The results comply with the requirement of ASTM B221-21 type 6082.

## 2. Tensile test:

Test method: ASTM B557-15 (2023)

Test item	Specimen type	Tensile strength, S <sub>u</sub> (ksi)	Yield strength, YS (0.2% offset) (ksi)	Elongation after fracture, G=2in (%)	Con.
Req.	-	≥45	≥38	≥8	-
Result	Tubular Strip specimen	45.8	40.4	12.0	Pass

Note: 1. 1MPa≈0.145ksi.

2. The requirement is specified in ASTM B221-20 type 6082-T6(extruded tube).

3. The results comply with the requirement of client.



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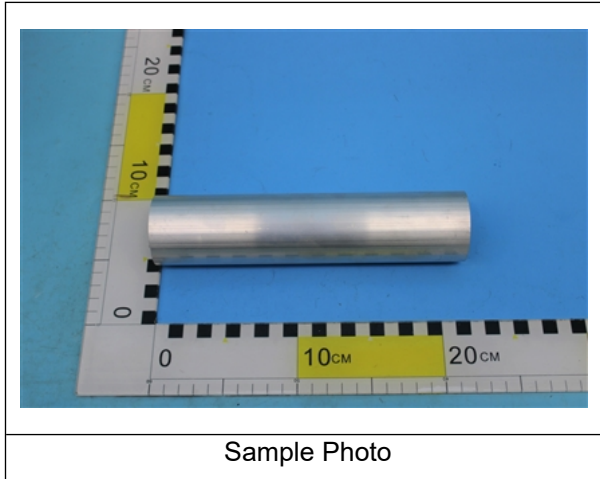
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No. : GZIN2405003830ML01\_EN

Date : 2024-06-04

Page: 3 of 3



Unless otherwise stated, this report provides a declaration of conformity according to whether the test results are within the specified limits or specifications without considering the measurement uncertainty.

\*\*\*\*\*End of report\*\*\*\*\*



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