

## TEST REPORT

No. : SHIN22003122ML01-1\_EN

Date : 2022-06-20

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SHIN22003122ML01-1

CUSTOMER NAME: YIXINDA INTERNATIONAL LIMITED  
ADDRESS: ROOM 1502, EASEY COMMERCIAL BUILDING, 253-261 HENNESSY ROAD, WANCHAL, HONGKONG

This test report updates Home page information, supersedes the test report No. SHIN22003122ML01\_EN dated Jun 17, 2022, original report will be invalid from today.

Sample Name : aluminum alloy 6101-T63 sheet  
Product Specification : 5mm(T)\*100mm(W)\*300mm(L)  
Manufacturer : YIXINDA INTERNATIONAL  
Material and Mark : 6101-T63

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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Test Required : Chemical Composition Analysis, Bend Test, Tensile Test  
SGS Ref. No. : CQAT2206006448MT  
Date of Receipt : 2022-06-14  
Testing Start Date : 2022-06-14  
Testing End Date : 2022-06-17  
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 (Shanghai) Co., Ltd..

Kant Xu  
Authorized signatory



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### 1. Chemical Composition Analysis

Requirement: According to ASTM B317/B317M-07(2015)

Element	Test Method	Req.(%)	Result 001 (%)	Con.
Si	ASTM E1251-17a	0.30~0.70	0.44	Pass
Fe	ASTM E1251-17a	≤0.50	0.12	Pass
Cu	ASTM E1251-17a	≤0.10	<0.01	Pass
Mn	ASTM E1251-17a	≤0.03	<0.01	Pass
Mg	ASTM E1251-17a	0.35~0.80	0.37	Pass
Cr	ASTM E1251-17a	≤0.03	<0.01	Pass
Zn	ASTM E1251-17a	≤0.10	0.02	Pass
B	ASTM E1251-17a	≤0.06	<0.001	Pass
Al	ASTM E1251-17a	Rem.	Rem.	Pass

### 2. Bend Test

Test Method: ASTM E290-14

Test item	Thickness (t) (mm)	Bend diameter (d) (mm)	Bend angle (°)	Result	Conclusion
Bend- 001	5.0	2t	90	No crack	Pass

Note: The results comply with the requirement of ASTM B317/B317M-2015 type T63.



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### 3. Tensile Test

Test Method:ASTM B557-15

Test item	Specimen type	Tensile strength (MPa)	Yield strength (0.2% offset) (MPa)	Elongation after fracture G=50mm (%)	Con.
Req.	-	≥185	≥150	-	-
Result-001	Rectangular specimen	194	169	18.0	Pass

Note: The requirement is specified in ASTM B317/B317M-2015 type 6101-T63.

### Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Stationary metal analyzer	MAXXLMM16	Metal-189	2020-07-15	2022-07-14
Universal testing machine	CMT5205	Metal-35	2021-09-10	2022-09-09
Vertical Bending Machine	HWQ-40A	Metal-191	2021-09-10	2022-09-09



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Sample Photo

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

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