財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No：L1708-251223)

This is to certify that

Super Alloy Industrial Co., Ltd.

Superalloy Laboratory

41, Yun-Ko Road Section 3, Dou-Liu City, Yun-Lin County 64064, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria	：	ISO/IEC 17025:2017；CNS 17025:2018
Accreditation Number	：	1708
Originally Accredited	：	December 19, 2007
Effective Period	：	January 04, 2026 to January 03, 2029
Accredited Scope	：	Testing Field, see described in the Appendix

Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
December 23, 2025

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

Accreditation Number ：1708

Laboratory Head ：CAI, Vincent

◤ 01. 01 Metals and Alloys Products
Ferrous Metals and Alloys Products
M002 Tensile Test
ASTM E8/E8M
ASTM B557
ASTM B557M
(1.96 to 97.00) kN
(200 to 9900) kgf

Approval Signatory: CAI, Vincent

M012 Salt Spray Test (NSS)
ASTM B117
GMW 3286
Neutral Salt Solution

Approval Signatory: CAI, Vincent

M017 Geometry Tolerance and Dimension Measurement
ISO 10360-2
CMM:
X-axis: (0 to 600) mm
Y-axis: (0 to 600) mm
Z-axis: (0 to 600) mm

Approval Signatory: CAI, Vincent

M101 Rockwell Hardness Test
ASTM E18
(40 to 100) HRBW

Approval Signatory: CAI, Vincent

M102 Brinell Hardness Test
ASTM E10
≤ 125 HBW 10/500
(125 to 225) HBW 10/3000
> 225 HBW 10/3000

Approval Signatory: CAI, Vincent

◤ 01. 02 Metals and Alloys Products
6000 Series Aluminum Alloy
C001 Elemental Analysis
ASTM E1251

Si: (0.400 to 1.470) %
Fe: (0.150 to 0.500) %
Cu: (0.030 to 1.000) %
Mn: (0.010 to 0.910) %
Mg: (0.650 to 1.210) %
Zn: (0.049 to 0.150) %
Ti: (0.018 to 0.090) %
Cr: (0.020 to 0.230) %

Approval Signatory: CAI, Vincent

◤ 01. 02 Metals and Alloys Products
Alloy and Products
M002 Tensile Test
ASTM E8/E8M
ASTM B557
ASTM B557M
(1.96 to 97.00) kN
(200 to 9900) kgf

Approval Signatory: CAI, Vincent

M012 Salt Spray Test (NSS)
ASTM B117
GMW 3286

Approval Signatory: CAI, Vincent

M012 Copper-Accelerated Acetic Acid Salt Spray (CASS) Test
ASTM B368
DIN EN ISO 9227
GMW14458

Approval Signatory: CAI, Vincent

M017 Geometry Tolerance and Dimension Measurement
ISO 10360-2
CMM:
X-axis: (0 to 600) mm
Y-axis: (0 to 600) mm
Z-axis: (0 to 600) mm

Approval Signatory: CAI, Vincent

M048 Adherence of Coating-Adhesion Test
GMW 14829
Crosshatch Test (Method A)

Approval Signatory: CAI, Vincent

M048 Stone Impact Resistance of Coatings-Gravel Impact Test
SAE J400
Method B and Method C

Approval Signatory: CAI, Vincent

M101 Rockwell Hardness Test
ASTM E18
(40 to 100) HRBW

Approval Signatory: CAI, Vincent

M102 Brinell Hardness Test
ASTM E10
≤ 125 HBW 10/500
(125 to 225) HBW 10/3000
> 225 HBW 10/3000

Approval Signatory: CAI, Vincent

M104 Filiform Corrosion Test
SAE J2635
Temperature: (60±1) °C
Humidity: (85±3) %RH

Approval Signatory: CAI, Vincent

◤ 05. 01 Coatings, Printing Ink and Pigments
Alloy and Products
M042 Humidity Resistance Test
DIN EN ISO 6270-2
Constant-humidity Condensation Atmosphere (CH)

Approval Signatory: CAI, Vincent

◤ 22. 01 Transportation Equipment
Alloy Wheel
M004 Wheel Impact Test
SAE J175
INMETRO 501
CNS 7135
ISO 7141
ABNT NBR 6752
Wheel rim diameter: (15 to 25) in.
Impact angle: 13°
The drop weight: (350 to 1745) kgf

Approval Signatory: CAI, Vincent

M006 Bi-axial Test
AK-LH 08 4.34 Betriebslasten-Nachfahrversuch (Operating Stress Fatigue test)
Vertical force: (2 to 50) kN
Axial force: (2 to 30) kN
Rim offset: (-20 to +80) mm
Camber angle: ±10°
Slip angle: ±20°
Speed: (10 to 150) km/h

Approval Signatory: CAI, Vincent

M006 Wheel Radial Fatigue Test
SAE J267
SAE J328
CNS 7135
ISO 3894
ISO 3006
INMETRO 501
ABNT NBR 6751
ABNT NBR 6752
Wheel rim diameter: (15 to 25) in.
Test speed: (40 to 80) km/h
Load: (1040 to 15000) kgf
(10.2 to 147.0) kN

Approval Signatory: CAI, Vincent

M006 Wheel Rotary Load Fatigue Test
SAE J267
SAE J328
CNS 7135
ISO 3894
ISO 3006
INMETRO 501
ABNT NBR 6751
ABNT NBR 6752
Wheel rim diameter: (15 to 25) in.
Bending Torque: (200 to 4000) kgf·m
Displacement: (0.1 to 12.0) mm

Approval Signatory: CAI, Vincent

(Null below)