



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

Certificate of Accreditation

(Certificate No : L0357-240723)

This is to certify that

Tung Ho Steel Enterprise Corp.
Miaoli Works Chemical Laboratory

No.22, Pingding, Erhu Vil.,Xihu Township, MiaoLi County 36842, Taiwan

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018

Accreditation Number : 0357

Originally Accredited : June 15, 1997

Effective Period : July 26, 2024 to July 25, 2027

Accredited Scope : Testing Field, see described in the Appendix



Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
July 23, 2024

Accreditation Number : 0357

Laboratory Head : DENQ, Kai-Ching

▼ 01. 01 Metals and Alloys Products

Carbon Steel 、 Low Alloy Steel

C001 Elemental Analysis

1.CNS 10006

2.JIS G1253

3.ASTM E415

4.In-house method:Spectrometer Standard Operating Procedures (Document No. M303-02-34) Reference: CNS 10006, JIS G1253, ASTM E415

1.

C : (0.03 to 1.00) %

Si: (0.02 to 0.60) %

Mn: (0.20 to 1.67) %

P : (0.004 to 0.060) %

S : (0.003 to 0.060) %

Cu: (0.03 to 0.69) %

Ni: (0.02 to 1.60) %

Cr: (0.06 to 3.00) %

Mo: (0.016 to 0.980) %

V : (0.002 to 0.500) %

Nb: (0.004 to 0.130) %

Al: (0.002 to 0.330) %

Sn: (0.002 to 0.090) %

Ti: (0.001 to 0.100) %

B : (0.0002 to 0.0110) %

2.

C : (0.03 to 1.00) %

Si: (0.02 to 0.60) %

Mn: (0.20 to 1.67) %

P : (0.004 to 0.060) %

S : (0.003 to 0.060) %

Cu: (0.03 to 0.69) %

Ni: (0.02 to 1.60) %

Cr: (0.06 to 3.00) %

Mo: (0.016 to 0.980) %

V : (0.002 to 0.500) %

Nb: (0.001 to 0.130) %

Al: (0.002 to 0.330) %

Sn: (0.002 to 0.090) %

Ti: (0.001 to 0.100) %

B : (0.0002 to 0.0110) %



3.

C : (0.03 to 1.00) %
Si: (0.02 to 0.60) %
Mn: (0.20 to 1.67) %
P : (0.006 to 0.060) %
S : (0.003 to 0.055) %
Cu: (0.03 to 0.50) %
Ni: (0.02 to 1.60) %
Cr: (0.06 to 3.00) %
Mo: (0.016 to 0.980) %
V : (0.003 to 0.300) %
Nb: (0.003 to 0.120) %
Al: (0.006 to 0.093) %
Sn: (0.005 to 0.061) %
Ti: (0.001 to 0.100) %
B : (0.0004 to 0.0070) %

4.

C : (0.03 to 1.00) %
Si: (0.02 to 0.60) %
Mn: (0.20 to 1.67) %
P : (0.004 to 0.060) %
S : (0.003 to 0.060) %
Cu: (0.03 to 0.69) %
Ni: (0.02 to 1.60) %
Cr: (0.06 to 3.00) %
Mo: (0.016 to 0.980) %
V : (0.002 to 0.500) %
Nb: (0.001 to 0.130) %
Al: (0.002 to 0.330) %
Sn: (0.002 to 0.090) %
Ti: (0.001 to 0.100) %
B : (0.0002 to 0.0110) %

Approval Signatory: WU, Hsin-Te ; DENQ, Kai-Ching
(Null below)

