



Certificate No. : L0476-210514

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

Certificate of Accreditation

This is to certify that

Yieh Phui Enterprise Co., Ltd.

Testing and Measurement Laboratory

No. 369, Yuliao Road, Qiaotou District, Kaohsiung City 82544, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018
Accreditation Number : 0476
Originally Accredited : November 01, 1998
Effective Period : May 21, 2021 to May 20, 2024
Accredited Scope : Testing Field, see described in the Appendix

Ching-Chang Lien
President, Taiwan Accreditation Foundation
Date : May 14, 2021



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Accreditation Number : 0476

Laboratory Head : HUANG, Jui-Yuan

01. 01 Metals and Alloys Products

Carbon Steel

C001 Elemental Analysis

CNS 10006

JIS G1253

ASTM E415

C: (0.0060 to 1.550) %

Si: (0.026 to 0.900) %

Mn: (0.022 to 2.00) %

P: (0.0020 to 0.0400) %

S: (0.0024 to 0.0400) %

Ni: (0.0020 to 1.990) %

Cr: (0.0015 to 1.480) %

Mo: (0.0035 to 1.280) %

Al: (0.0030 to 0.100) %

Ti: (0.0005 to 0.1730) %

B: (0.0001 to 0.0049) %

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin; LAI, Jian-An

M101 Rockwell/Rockwell Superficial Hardness

CNS 2114

JIS Z2245

ISO 6508-1

ASTM E18

(42 to 94) HRBW

(76 to 81) HR15TW

(60 to 70) HR30TW

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin; LAI, Jian-An

01. 01 Metals and Alloys Products

Metals Coated Products

C057 Solvent Resistance Tests

ASTM D5402 (Method A)

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin; LAI, Jian-An



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M004 Impact Test (Du-Pont Method)
CNS 10757
JIS K5600-5-3
ASTM D2794
ISO 6272-1 (Exclude Sec. 7.3)
CNS 10804
CNS 15298
CNS 15299

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin; LAI, Jian-An

M005 Bend Test
ISO 1519 (Type-2 Mandrel Tester)
CNS 10804
CNS 15298
CNS 15299
JIS G3312
ASTM D4145

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin; LAI, Jian-An

M009 Measurement of Dry Film Thickness of Nonmagnetic Coatings
ASTM D7091
ISO 2808 (Method 7C)
(5 to 210) μm

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

M012 Salt Spray
Neutral Salt Spray Test:
CNS 8886
CNS 11607
JIS Z2371
ASTM B117
ISO 9227
CASS Test:
CNS 8886
JIS Z2371
ISO 9227
(Pingtung Testing Site: Neutral Salt Spray Test Only)

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin; LAI, Jian-An
Testing Site: 1.Location: No. 369, Yuliao Road, Qiaotou District, Kaohsiung City 82544;
2.Location: No. 6, Gongye 6th Road, Pingtung City 90049, Taiwan



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M032 Accelerated Ageing
ASTM G154 (Exclude UVA-351)
ISO 11507 (Exclude UVA-351, Method B)
CNS 15200-7-7 (Exclude UVA-351, Method B)

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

M042 Humidity Resistance
ASTM D2247
JIS K5600-7-2
CNS 11607

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

M043 Gloss Test
ASTM D523
JIS K5600-4-7
CNS 10756-1
ISO 2813

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

M044 Blister Degree Evaluation
ASTM D714
ISO 4628-2
ASTM D714:
Blister Size: 2, 4, 6, 8
Frequency: D, MD, M, F
ISO 4628-2:
Blister Size: S2, S3, S4, S5
Density: 2, 3, 4, 5

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

M045 Color Difference
ASTM D2244
ISO 7724-3
CIELAB Scale of Illuminant D65, A, C

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

M048 Adhesion Test
CNS 10757
CNS 10804
CNS 15298



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CNS 15299
JIS K5600-5-6
ASTM D3359
ISO 2409

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

M049 Film Hardness by Pencil Test
CNS 10757
CNS 10804
CNS 15298
CNS 15299
JIS K5600-5-4
ASTM D3363
ISO 15184
6B to 6H

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

01. 01 Metals and Alloys Products
Hot-Dip Zinc, Hot-Dip 5%Al-Zn, Hot-Dip 55%Al-Zn Coated Steel Sheets and Coils
C074 Chromium VI
Reference IEC 62321-7-1, CNS 15050), In-House Method (Document No.: YP-C-129, YP-C-133,
IEC 62321-7-1:
Negative $< 0.10 \mu\text{g}/\text{cm}^2$
Positive $> 0.13 \mu\text{g}/\text{cm}^2$
CNS 15050:
Negative $< 0.02 \text{ mg}/\text{kg}$ with 50 cm^2
Positive $\geq 0.02 \text{ mg}/\text{kg}$ with 50 cm^2

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin; LAI, Jian-An

M010 Coating Weight
CNS 1247: 2015 Sec. 5.2
JIS H0401 Sec. 5.2
ISO 1460
AS 2331.2.1 Sec. 6.1
ASTM A90/A90M

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01. 01 Metals and Alloys Products
Plate-Type Metal Tension Test Specimens
M002 Tension
CNS 2111
JIS Z2241
ASTM E8/E8M
AS 1391
ISO 6892-1
980 N to 98 kN (100 to 10000) kgf

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01. 01 Metals and Alloys Products
Metals Products
M005 Bending Test
CNS 3941: 2019 (Exclue Sec. 6.1)
JIS Z2248: 2014 (Exclude Sec. 6.1)
JIS G3302
ISO 7438: 2020 (Exclude Sec. 6.2)

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin; LAI, Jian-An

05. 01 Coatings, Printing Ink and Pigments
Liquid Coatings
C044 Viscosity
CNS 9725 2.5.4
ASTM D1200
No.4 Ford Cup, (20 to 600) s at 25 °C, 20 °C

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

05. 01 Coatings, Printing Ink and Pigments
Coatings
C056 Heating Residue
CNS 10880-1
JIS K5601-1-2
Testing Temperature: 105 °C, 150 °C
(10 to 90) %

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin



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▼ 05. 01 Coatings, Printing Ink and Pigments

Liquid Coatings

M028 Density/Specific Gravity

CNS 9725 Sec. 2.6.2

JIS K5600-2-4

Specific Gravity: 1.0 to 2.5

Approval Signatory: CHANG, Tony; YU, Spin; YANG, Ping-Lin

(Null below)