



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

Certificate of Accreditation

(Certificate No : L2624-241012)

This is to certify that

Taiwan Testing and Certification Center Product Safety Testing Laboratory

No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan R.O.C

is accredited in respect of laboratory

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

Accreditation Number : 2624

Originally Accredited : October 22, 2012

Effective Period : October 22, 2024 to October 21, 2027

Accredited Scope : Testing Field, see described in the Appendix
Accreditation Program for Designated Testing Laboratory
for Commodities Inspection

Specific Accreditation Program : Accreditation Program for Environmental protection
product certification Testing Laboratory
Accreditation Program for BSMI Mutual Recognition
Arrangement with Foreign Authorities
Accreditation Program for Energy Efficiency testing
Laboratory
Accreditation Program for Laboratory of U.S. EPA
ENERGY STAR

Yi-Ling Chen



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

Yi-Ling Chen
President, Taiwan Accreditation Foundation
October 12, 2024

Accreditation Number : 2624

Laboratory Head : LIN, Vincent

■ 15. 03 Medical Devices

Endoscopic equipment

E001 Safety

IEC 60601-2-18

EN 60601-2-18

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

3 Ø, 440 V max., 50 Hz to 60 Hz, 50 A max.

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

■ 15. 03 Medical Devices

Electrocardiographs

E001 safety

IEC 60601-1

IEC 60601-2-25

EN 60601-1

EN 60601-2-25

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz or 60 Vdc, 35 A

(except ch.201.8.5.5.1, ch.201.12.1)

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

■ 15. 03 Medical Devices

Electrocardiographic monitoring equipment

E001 safety

IEC 60601-1

IEC 60601-2-27

EN 60601-1

EN 60601-2-27

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz or 60 Vdc, 35 A

Approval Signatory: PAN, Andre; PAN, Jason

■ 15. 03 Medical Devices

Programmable electrical medical systems

E001 safety

IEC 60601-1-4

EN 60601-1-4

IEC 62304

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PAN, Andre



15.03 Medical Devices

Surgical luminaires and luminaires for diagnosis

E001 safety

IEC 60601-2-41

EN 60601-2-41

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PAN, Andre; PAN, Jason

15.03 Medical Devices

Multifunction patient monitoring equipment

E001 safety

IEC 80601-2-49

EN IEC 80601-2-49

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PAN, Andre

15.03 Medical Devices

Automated non-invasive sphygmomanometers

E001 safety

IEC 80601-2-30

EN 80601-2-30

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max., 300 mmHg max.

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

15.03 Medical Devices

Blood-Glucose monitoring system for self testing

E001 safety

ISO 15197

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

excluded clinical test

Approval Signatory: PAN, Andre

15.03 Medical Devices

Respiratory equipment-Nebulizing systems and their components

E001 safety

EN 13544-1

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PAN, Andre

15.03 Medical Devices

Medical electrical equipment and medical electrical systems used in the home healthcare environment

E001 safety

IEC 60601-1-11

EN 60601-1-11

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

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15. 03 Medical Devices

Nerve and muscle stimulators (excluding AP, APG)

E001 safety

IEC 60601-2-10

EN 60601-2-10

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PENG, Vicky; PAN, Andre

15. 03 Medical Devices

Ambulatory electrocardiographic systems

E001 safety

IEC 60601-1

EN 60601-1

IEC 60601-2-47

EN 60601-2-47

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 35 A max.

Approval Signatory: PAN, Andre; PAN, Jason

15. 03 Medical Devices

Operating table

E001 safety

IEC 60601-2-46

EN 60601-2-46

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PENG, Vicky; PAN, Andre

15. 03 Medical Devices

Electrically operated hospital beds

E001 safety

IEC 60601-2-52

EN 60601-2-52

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PENG, Vicky; PAN, Andre

15. 03 Medical Devices

Medical device and Medical system intended for use in the emergency medical services environment

E001 Safety

IEC 60601-1-12

EN 60601-1-12

1 Ø, 250 Vac max, 20 A max, 50 Hz/60 Hz; 60 Vdc max, 5 A max

3 Ø, 440 V max., 50 Hz to 60 Hz, 50 A max.

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

15. 03 Medical Devices

Medical oximeter

E001 safety

ISO 80601-2-61

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max., excluded clinical test

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

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15. 03 Medical Devices

Medical suction equipment

E001 Safety

ISO 10079-4

EN ISO 10079-4

BS EN ISO 10079-4

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz or

60 Vdc, 35 A

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

15. 03 Medical Devices

Medical electrical equipment

E001 safety

IEC 60601-1

EN 60601-1

ANSI/AAMI ES60601-1

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

3 Ø, 440 V max., 50 Hz to 60 Hz, 50 A max.

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

15. 03 Medical Devices

Blankets, pads and mattresses intended for heating in medical use (excluding AP, APG)

E001 safety

IEC 60601-2-35

EN 60601-2-35

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PAN, Andre

15. 03 Medical Devices

Medical suction equipment –

Part 1:

Electrically power suction equipment-Safety requirements

E001 safety

ISO 10079-1

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

15. 03 Medical Devices

Alarm systems in medical electrical equipment and medical electrical systems

E001 Safety

IEC 60601-1-8

EN 60601-1-8

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 Ø, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PENG, Vicky; PAN, Andre



■ 15. 03 Medical Devices

Clinical thermometers for body temperature measurement

E001 Safety

ISO 80601-2-56

EN ISO 80601-2-56

BS EN ISO 80601-2-56

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz or 60 Vdc, 35 A

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

■ 15. 03 Medical Devices

Medical equipment

E023 Usability testing

IEC 62366-1

EN 62366-1

IEC 60601-1-6

EN 60601-1-6

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PAN, Andre

■ 16. 99 Machine and Equipment

Safety of machinery-Electrical equipment of machines

E001 Safety

IEC 60204-1

EN 60204-1

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;

3 Ø, 440 Vac max., 50 Hz/60 Hz, 150 kW max.;

60 Vdc max., 5 A max., IP68 max.

Approval Signatory: PENG, Vicky; PAN, Andre; PAN, Jason

■ 16. 99 Machine and Equipment

Industrial robots

M207 Safety - Industrial robots

ISO 10218-1

CNS 14490-1

Exclude Ch 5.10.4 "Speed and separation monitoring testing" and Ch 5.10.5 "Power and Force limiting by inherent design or control testing".

Approval Signatory: CHEN, Hsin-Chi

■ 16. 99 Machine and Equipment

Safety-related parts of control systems of machinery

M996 Performance level of safety-related parts of control systems

ISO 13849-1

CNS 16068-1

Approval Signatory: CHEN, Hsin-Chi



17.04 Metrical Instrument

Electrical equipment for measurement, control, and laboratory use

E001 safety

IEC 61010-1

EN 61010-1

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;

3 Ø, 440 V max., 50 Hz/60 Hz, 150 kW max.;

60 Vdc max., 5 A max., IP68 max.

Approval Signatory: CHEN, Jason; PENG, Vicky; PAN, Andre

17.04 Metrical Instrument

in vitro diagnostic medical equipment

E001 safety

IEC 61010-2-101

EN 61010-2-101

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max., IP68 max.

Approval Signatory: CHEN, Jason; PENG, Vicky; PAN, Andre

18.01 Commodity

5G Smart pole

E001 Safety

5G Smart pole system technical specification - Part 5: Electrical Safety Requirements

5G Smart pole system technical specification - Part 1: General requirements

1 Ø, 300 Vac max., 60 Hz, 30 A max.

3 Ø, 440 V max., 60 Hz, 30 A max.

(Include on site testing, but on site test exclude the test for Degree of protection provided by enclosure (IP code) and humidity testing)

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Andre

E001 Safety-Power supply systems requirements

5G Smart pole system technical specification - Part 8: Power supply systems requirements

5G Smart pole system technical specification - Part 1: General requirements

(Include on site testing, On site test only for clause 4.2 - uninterruptible power system)

Approval Signatory: WU, Chris; LIN, Jimmy

18.01 Commodity

G5/G13 Double-capped integrated LED lamps

E001 Safety

CNS 15983

1 Ø, 250 Vac max., 125 W max., 50 Hz/60 Hz;

150 Vdc max., 125 W max.

Approval Signatory: WU, Chris; LIN, Jimmy

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.



18.01 Commodity

DC or AC supplied electronic control gear for LED module

E001 Electrical Characteristics

CNS 15174

IEC 62384

300 Vac max., 40 A max.,

380 Vdc max., 10 A max.

Excluded Capacitive load requirement, Impedance at audio-frequencies

Approval Signatory: WU, Chris; LIN, Jimmy

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity

Portable general purpose luminaires

E001 safety

CNS 14335

CNS 14335-2-4

IEC 60598-1

IEC 60598-2-4

EN 60598-1

EN 60598-2-4

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity

LED modules for general lighting

E001 safety

CNS 15357

IEC 62031

EN 62031

1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz;

250 Vdc max., 20 A max.

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity

Luminaires with built-in transformers for filament lamps

E001 safety

CNS 14335

CNS 14335-2-6

IEC 60598-1

IEC 60598-2-6

EN 60598-1

EN 60598-2-6

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

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18.01 Commodity

Aquarium luminaires

E001 safety

CNS 14335

IEC 60598-1

IEC 60598-2-11

EN 60598-1

EN 60598-2-11

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity

Double-capped LED lamps designed to retrofit linear fluorescent lamps

E001 Safety

CNS 15829

IEC 62776

EN 62776

1 Ø, 250 Vac max., 125 W max., 50 Hz/60 Hz;

150 Vdc max., 125 W max.

Approval Signatory: WU, Chris; LIN, Jimmy

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity

d.c. or a.c. supplied electronic controlgear for LED modules

E001 safety

CNS 61347-1

CNS 61347-2-13

IEC 61347-1

IEC 61347-2-13

EN 61347-1

EN 61347-2-13

J 61347-1

J 61347-2-13

JIS C 8147-1

JIS C 8147-2-13

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;

150 Vdc max., 20 A max.

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity

Miscellaneous electronic circuits used with luminaires

E001 safety

IEC 61347-1

IEC 61347-2-11

EN 61347-1

EN 61347-2-11

1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz;

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300 Vdc max., 20 A max.

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Self-ballasted LED-lamps for general lighting services
E001 safety
IEC 62560
CNS 15436
JIS C 8156
1 Ø, 250 Vac max., 60 W max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Luminaires for road and street lighting
E001 safety
CNS 14335
CNS 14335-2-3
IEC 60598-1
IEC 60598-2-3
EN 60598-1
EN 60598-2-3
1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Fixed general purpose luminaires
E001 safety
CNS 14335
CNS 14335-2-1
IEC 60598-1
IEC 60598-2-1
EN 60598-1
EN 60598-2-1
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Flood light
E001 safety
CNS 14335
IEC 60598-1
IEC 60598-2-5
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EN 60598-1
EN 60598-2-5
1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

■ 18.01 Commodity

Recessed luminaires
E001 safety
CNS 14335
CNS 14335-2-2
IEC 60598-1
IEC 60598-2-2
EN 60598-1
EN 60598-2-2
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

■ 18.01 Commodity

Mains socket-outlet mounted nightlights
E001 safety
CNS 14335
IEC 60598-1
IEC 60598-2-12
EN 60598-1
EN 60598-2-12
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

■ 18.01 Commodity

Lighting chain
E001 safety
CNS 14335
IEC 60598-1
IEC 60598-2-20
EN 60598-1
EN 60598-2-20
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.



18.01 Commodity
Extra low-voltage lighting systems for filament lamps
E001 safety
CNS 14335
IEC 60598-1
IEC 60598-2-23
EN 60598-1
EN 60598-2-23
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Double-capped LED tubular lamps
E001 safety
CNS 15438
1 Ø, 250 Vac max., 125 W max., 50 Hz/60 Hz;
150 Vdc max., 125 W max.

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
LED lamp
E005 Energy efficiency
The power efficiency and indicative method for energy label of LED lamp
300 Vac max., 20 A max.

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

18.01 Commodity
Indoor Light Luminaire
E005 Energy efficiency
The power efficiency and indicative method for energy label of Indoor Light Luminaire
300 Vac max., 20 A max.,
600 Vdc max., 15 A max.

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

18.01 Commodity
Fixtures of roadway lighting
E005 Energy efficiency
Fixtures of roadway lighting Energy efficiency Criteria and Labeling Method for Energy
Label
300 Vac max., 20 A max.,
600 Vdc max., 15 A max.

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

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



18.01 Commodity
Lighting Products
0001 Candlepower Distribution Curve
CIE 70

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

0008 Luminous flux
CIE 84

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

0010 Illuminance
CNS 5065
Illuminance range: 25 lx to 1, 500 lx

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

0014 Chromaticity
Correlated Color Temperature
Color Rendering Index
LM-16
LM-58
CIE 15
ANSI C78.377
CIE 13.3
Chromaticity: CIE 1931/1976 within color gamut
Correlated color temperature: 2000 K to 10000 K
Color rendering index: Ra = 0 to 100

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

0016 Unified Glare Ratio
CIE 117

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

0995 Zonal Lumen Distribution, Color Angular Uniformity, Luminaire Photometry,
Efficacy, Light Output, CCT, CRI
IES LM-79-08
300 Vac max., 20 A max.,
600 Vdc max., 15 A max.

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

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



18.01 Commodity
Lamps and lamp systems
0024 Photobiological safety
CNS 15592
IEC 62471
IEC TR 62471-2
IEC TR 62778
EN 62471
1 Ø, 300 Vac max., 30 A max., 50 Hz/60 Hz;
300 Vdc max., 30 A max.

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

18.01 Commodity
Self-ballasted LED lamps for general lighting services with supply voltage > 50 V
0995 Optical and Electrical Inspection
CNS 15630
1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz
Excluded Electromagnetic noise and Surge Protection Test

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

18.01 Commodity
LED Fixtures of roadway lighting
0995 Optical and Electrical Characteristics
CNS 15233
1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz
Excluded Surge, Electromagnetic noise, Vibration test

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

18.01 Commodity
Recessed LED luminaires for T-bar ceiling systems
0995 Optical and Electrical Characteristics
CNS 15437
1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz
Excluded Surge, Electromagnetic noise

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

18.01 Commodity
Double-capped LED lamps
0995 Optical and Electrical Inspection
CNS 16027
1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz
Excluded Electromagnetic noise and Surge Protection Test

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

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



18.02 Commodity
Electrical appliances for use with aquariums and garden ponds
E001 safety
CNS 60335-1
CNS 60335-2-55
IEC 60335-1
IEC 60335-2-55
EN 60335-1
EN 60335-2-55
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Heated tobacco device
E001 safety
CNS 60335-1
CNS 60335-2-120
JIS C 9335-2-120
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 20 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Appliances for heating liquid
E001 safety
CNS 60335-1
CNS 60335-2-15
IEC 60335-1
IEC 60335-2-15
EN 60335-1
EN 60335-2-15
PNS IEC 60335-1
PNS IEC 60335-2-15
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Floor treatment machines and wet scrubbing machines
E001 safety
CNS 60335-1
CNS 60335-2-10
IEC 60335-1
IEC 60335-2-10
EN 60335-1
EN 60335-2-10
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu



18.02 Commodity
refrigerating appliances, ice-cream appliances and ice-makers
E001 safety
CNS 60335-1
CNS 60335-2-24
IEC 60335-1
IEC 60335-2-24
EN 60335-1
EN 60335-2-24
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

18.02 Commodity
Foot warmers and heating mats
E001 safety
CNS 60335-1
CNS 60335-2-81
IEC 60335-1
IEC 60335-2-81
EN 60335-1
EN 60335-2-81
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Electrically operated adjustable bed for home use
E001 safety
CNS 15521
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz, 60 Vdc max., 5 A max.

Approval Signatory: CHEN, Jason; PAN, Andre

18.02 Commodity
Deep fat fryers, frying pan and similar appliances
E001 safety
CNS 60335-1
CNS 60335-2-13
IEC 60335-1
IEC 60335-2-13
EN 60335-1
EN 60335-2-13
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
air-cleaning appliances
E001 safety
CNS 60335-1
CNS 60335-2-65
P16, total 63 pages



IEC 60335-1
IEC 60335-2-65
EN 60335-1
EN 60335-2-65
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.
No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Except clause 32.102
No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Only for clause 32.102

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre; YEN, Ko-Chu

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

■ 18.02 Commodity

Warming plates and similar appliances

E001 safety
CNS 60335-1
CNS 60335-2-12
IEC 60335-1
IEC 60335-2-12
EN 60335-1
EN 60335-2-12
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Room heaters

E001 safety
CNS 60335-1
CNS 60335-2-30
IEC 60335-1
IEC 60335-2-30
EN 60335-1
EN 60335-2-30
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Massage appliances

E001 safety
CNS 60335-1
CNS 60335-2-32
IEC 60335-1
IEC 60335-2-32
EN 60335-1
EN 60335-2-32
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu



18.02 Commodity

Washing machines

E001 safety

CNS 60335-1

CNS 60335-2-7

IEC 60335-1

IEC 60335-2-7

EN 60335-1

EN 60335-2-7

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

18.02 Commodity

Dishwashers

E001 safety

CNS 60335-1

CNS 60335-2-5

IEC 60335-1

IEC 60335-2-5

EN 60335-1

EN 60335-2-5

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity

Fans

E001 safety

CNS 60335-1

CNS 60335-2-80

IEC 60335-1

IEC 60335-2-80

EN 60335-1

EN 60335-2-80

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;

60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity

Toasters, grills, roasters, hob, cooking ranges, cooking tables, oven, cooking stove and similar appliances

E001 safety

CNS 60335-1

CNS 60335-2-6

CNS 60335-2-9

IEC 60335-1

IEC 60335-2-6

IEC 60335-2-9

EN 60335-1

EN 60335-2-6

EN 60335-2-9

PNS IEC 60335-1

P18, total 63 pages



PNS IEC 60335-2-9
1 Ø, 250 Vac max., 50 A max., 50 Hz/60 Hz
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Vacuum cleaners and water-suction cleaning appliances
E001 safety
CNS 60335-1
CNS 60335-2-2
IEC 60335-1
IEC 60335-2-2
EN 60335-1
EN 60335-2-2
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Toilets appliances
E001 Safety
IEC 60335-1
IEC 60335-2-84
EN 60335-1
EN 60335-2-84
CNS 60335-1
CNS 60335-2-84
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity
Clothes dryers and towel rails
E001 safety
CNS 60335-1
CNS 60335-2-43
IEC 60335-1
IEC 60335-2-43
EN 60335-1
EN 60335-2-43
1 Ø, 250 Vac max., 50 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Range hood
E001 safety
CNS 60335-1
CNS 60335-2-31
IEC 60335-1
IEC 60335-2-31
P19, total 63 pages



EN 60335-1
EN 60335-2-31
CNS 3805
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz
CNS 3805 only for clause 3.7 「 Air volume 」

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Spin extractors
E001 safety
CNS 60335-1
CNS 60335-2-4
IEC 60335-1
IEC 60335-2-4
EN 60335-1
EN 60335-2-4
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

■ 18.02 Commodity

UV disinfection (sterilization) electrical appliances
E001 safety
CNS 60335-1
Bureau of Standards, Metrology and Inspection, M.O.E.A.
Relevant inspection regulations of mandatory inspection for UV disinfection (sterilization) electrical appliances
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 20 A max.
No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Except clause 32 - Measurement for photobiological safety of lamps and lamp systems
No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Only for clause 32 - Measurement for photobiological safety of lamps and lamp systems

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

■ 18.02 Commodity

Storage water heaters
E001 safety
CNS 60335-1
CNS 60335-2-21
IEC 60335-1
IEC 60335-2-21
EN 60335-1
EN 60335-2-21
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu



18.02 Commodity
microwave ovens, including combination microwave ovens
E001 safety
CNS 60335-1
CNS 60335-2-25
IEC 60335-1
IEC 60335-2-25
EN 60335-1
EN 60335-2-25
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Battery chargers
E001 safety
CNS 60335-1
CNS 60335-2-29
IEC 60335-1
IEC 60335-2-29
EN 60335-1
EN 60335-2-29
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Shavrs, hair clippers and similar appliances
E001 safety
CNS 60335-1
CNS 60335-2-8
IEC 60335-1
IEC 60335-2-8
EN 60335-1
EN 60335-2-8
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Motor-compressors
E001 safety
CNS 3765
CNS 3765-34
CNS 60335-1
IEC 60335-1
IEC 60335-2-34
EN 60335-1
EN 60335-2-34
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre



18.02 Commodity

Insect killers

E001 safety

CNS 60335-1

CNS 60335-2-59

IEC 60335-1

IEC 60335-2-59

EN 60335-1

EN 60335-2-59

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;

60 Vdc max., 35 A max.

No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Except clause 32

No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Only for clause 32

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity

Electrical heat pumps, air-conditioners and dehumidifiers

E001 safety

CNS 3765

CNS 60335-1

CNS 60335-2-40

IEC 60335-1

IEC 60335-2-40

EN 60335-1

EN 60335-2-40

PNS IEC 60335-1

PNS IEC 60335-2-40

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz; 3 Ø, 380 Vac max., 45 kVA max., 50 Hz/60 Hz

No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: CNS 3765,

CNS/IEC/EN/PNS IEC 60335-1 and CNS/IEC/EN/PNS IEC 60335-2-40 except 3 Ø for clause 10, 11 and 19;

No.2-1, Nan-Yuang Rd, Zhongli Dist, Taoyuan City: CNS 3765, CNS/IEC/EN/PNS IEC 60335-1 and CNS/IEC/EN/PNS IEC 60335-2-40 only for clause 10, 11 and 19

No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Except 3 Ø; CNS 3765,

CNS/IEC/EN/PNS IEC 60335-1 and CNS/IEC/EN/PNS IEC 60335-2-40 Only for clause 10, 11 and 19

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan,

R.O.C.; 3.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity

Blankets, pads, clothing and similar flexible heating appliances

E001 safety

CNS 60335-1

CNS 60335-2-17

IEC 60335-1

IEC 60335-2-17

EN 60335-1

EN 60335-2-17

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1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Electric irons
E001 safety
CNS 60335-1
CNS 60335-2-3
IEC 60335-1
IEC 60335-2-3
EN 60335-1
EN 60335-2-3

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Tumbler dryers
E001 safety
CNS 60335-1
CNS 60335-2-11
IEC 60335-1
IEC 60335-2-11
EN 60335-1
EN 60335-2-11

1 Ø, 250 Vac max., 50 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

■ 18.02 Commodity

Kitchen machines
E001 safety
CNS 60335-1
CNS 60335-2-14
IEC 60335-1
IEC 60335-2-14
EN 60335-1
EN 60335-2-14

1 Ø, 250 V max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Thermal-storage room heaters
E001 safety
CNS 60335-1
CNS 60335-2-61
IEC 60335-1
IEC 60335-2-61
EN 60335-1
EN 60335-2-61

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

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■ 18.02 Commodity
Instantaneous water heaters
E001 safety
CNS 60335-1
CNS 60335-2-35
IEC 60335-1
IEC 60335-2-35
EN 60335-1
EN 60335-2-35
1 Ø, 250 Vac max., 50 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Water purifier or Water filter
E001 Safety
IEC 60335-1
CNS 60335-1
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity
Fabric steamers
E001 safety
CNS 60335-1
CNS 60335-2-85
IEC 60335-1
IEC 60335-2-85
EN 60335-1
EN 60335-2-85
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity
Portable immersion heaters
E001 safety
CNS 60335-1
CNS 60335-2-74
IEC 60335-1
IEC 60335-2-74
EN 60335-1
EN 60335-2-74
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Appliances for skin or hair care
E001 safety
CNS 60335-1
CNS 60335-2-23
P24, total 63 pages



IEC 60335-1
IEC 60335-2-23
EN 60335-1
EN 60335-2-23
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity

Refrigerators appliances and ice-makers

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Refrigerators

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Freezers

EPA announced EP labeling "Details of specification of standard management" No.28

(content 2.0)

CNS 2062

1 Ø, 250 Vac max., 30 A max., 60 Hz

1 Ø, 250 Vac max., 20 A max., 60 Hz, for CNS 2062

CNS 2062 only for clause 5.2, 5.3, 5.10 and 7

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

18.02 Commodity

Air conditioners (Non-ducted type)

E005 Energy efficiency

Energy Conservation Labeling Program Requirements for Non-ducted Air Conditioners,

EPA announced EP labeling "Details of specification of standard management" No.29

(contents 4.1, 4.2)

CNS 3615

ISO 5151

PNS 396-1

ISO 16358-1

ISO 16358-2

No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City, 33383, Taiwan, R.O.C: 1

Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.: 1 Ø,

250 Vac max., 30 A max., 50 Hz/60 Hz; 3 Ø, 380 Vac max., 45 kVA max., 50 Hz/60 Hz

No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.: 1 Ø, 250

Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C.; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan,

R.O.C.; 3.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity

Hairdryers

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Hair dryers,

EPA announced EP labeling "Details of specification of standard management" No.69

(content 3.1)

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

P25, total 63 pages



18.02 Commodity

Air source heat pump water heaters

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Label Qualified Air Source Heat Pump Water Heaters

EPA announced EP labeling "Details of specification of standard management" No.132 (content 2.1, 2.2)

CNS 15466

1 Ø, 250 Vac max., 30 A max., 60 Hz;

3 Ø, 380 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

Testing Site: 1.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.

18.02 Commodity

Clothes washer

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Washing Machines

EPA announced EP labeling "Details of specification of standard management" No.23 (contents 3.1, 3.2)

Product specification of water conservation label for washing machines.

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

18.02 Commodity

Ventilating fans for bath room use

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Ventilating Fans for Bathroom Use

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C.; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan,

R.O.C.; 3.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity

Dehumidifier

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Dehumidifiers

EPA announced EP labeling "Details of specification of standard management" No.48 (content 3.1)

CNS 12492

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; YEN, Ko-Chu

18.02 Commodity

Clothes dryer

E005 Energy efficiency

Energy Conservation Labeling Program Requirements for Clothes Dryers

P26, total 63 pages



EPA announced EP labeling "Details of specification of standard management" No.70
(contents 2.0)

1 Ø, 250 Vac max., 50 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

■ 18.02 Commodity

Electric storage tank boiling water heaters

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Electric Storage Tank Boiling Water Heaters,

EPA announced EP labeling "Details of specification of standard management" No.111
(content 2.1)

CNS 12623

1 Ø, 250 Vac max., 30 A max., 60 Hz

CNS 12623 only for clause 10.7, and 10.8

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Electric storage tank water heaters

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Electric Storage Tank Water Heaters

EPA announced EP labeling "Details of specification of standard management" No.101
(content 2.0)

CNS 11010

1 Ø, 250 Vac max., 30 A max., 60 Hz

CNS 11010 only for clause 8.11 and 8.14

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Drinking Water Dispensers

E005 energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified for Cold/Warm/Hot Water Dispensers

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified for Warm and Hot Water Dispensers

EPA announced EP labeling "Details of specification of standard management" No.87
(content 4.1)

CNS 13516

CNS 15929

1 Ø, 250 Vac max., 30 A max., 60 Hz

1 Ø, 250 Vac max., 20 A max., 60 Hz, for CNS 13516, CNS 15929

CNS 13516 only for clause 6.3, 6.7, 6.9, 6.11 and 7.1 (i)

CNS 15929 only for clause 6.3, 6.8 and 6.10

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Water fountain machines

E005 energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified for Cold/Warm/Hot Water Dispensers

P27, total 63 pages



Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Warm-hot Water Dispensers

EPA announced EP labeling "Details of specification of standard management" No.91 (content 3.0)

CNS 3910

1 Ø, 250 Vac max., 30 A max., 60 Hz

1 Ø, 250 Vac max., 20 A max., 60 Hz, for CNS 3910)

CNS 3910 only for clause 5, 8.3, 10 and 13

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity

Microwave oven

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Label Qualified Microwave Oven

EPA announced EP labeling "Details of specification of standard management" No.52 (contents 2.0)

CNS 60705

CNS 62301

1 Ø, 250 Vac max., 20 A max., 60 Hz

CNS 60705 only for clause 6, 8 and 9

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity

Electric fan

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Electric Fans

EPA announced EP labeling "Details of specification of standard management" No.81 (content 3.1)

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity

Electric ovens

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Electric Ovens

EPA announced EP labeling "Details of specification of standard management" No.145 (content 3.1 and 3.2)

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity

Electric pots

E005 Energy efficiency

Energy Conservation Labeling Program Requirements for Electrical Hot Water Pots

EPA announced EP labeling "Details of specification of standard management" No.117 (content 3.1)

CNS 12625

1 Ø, 250 Vac max., 30 A max., 60 Hz

1 Ø, 250 Vac max., 20 A max., 60 Hz, for CNS 12625

CNS 12625 only for clause 5.4, 5.7 and 11

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

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18.02 Commodity

Electric cookers

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Electric Cookers

EPA announced EP labeling "Details of specification of standard management" No.102 (content 3.1)

CNS 2518

1 Ø, 250 Vac max., 30 A max., 60 Hz

1 Ø, 250 Vac max., 20 A max., 60 Hz, for CNS 2518

CNS 2518 only for clause 6.5, and 7 (g)

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity

Ventilating fans for window type

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Ventilating Fans for Window type

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C.; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan,

R.O.C.; 3.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity

Household and Similar Electrical Appliances

E023 Software Evaluation

IEC 60335-1 Annex R

EN 60335-1 Annex R

CNS 60335-1 Annex R

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

18.04 Commodity

Audio/video, information and communication technology equipment

A001 Sound Pressure Level Measurement

CNS 15027-1

EN 50332-1

(Exclude Analogue Recorder)

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

A001 Sound pressure Level Measurement

CNS 15027-2

EN 50332-2

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Jason



A001 Sound Pressure Level Measurement
CNS 15027-3
EN 50332-3
Frequency range: 20 Hz to 20 kHz
Sound Pressure: (15 to 140) dB (A)

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

■ 18.04 Commodity
Audio/video, information and communication technology equipment (including Drones)
E001 safety
IEC 62368-1
EN 62368-1
CNS 15598-1
1 Ø, 600 Vac max., 47 Hz to 63 Hz, 50 A max.
3 Ø, 440 V max., 50 Hz to 60 Hz, 50 A max.
60 Vdc max, 35 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Andre; PAN, Jason

■ 18.04 Commodity
Audio, video and similar electronic apparatus Safety requirements
E001 safety
IEC 60065
EN 60065
CNS 14408
AS/NZS 60065
UL 60065
J60065
GB8898
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz; 60 Vdc max, 35 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Jason

■ 18.04 Commodity
Audio and Video Equipment (TV)
E005 Energy efficiency
TV-Energy Efficiency Criteria and Labeling Method
EPA announced EP labeling "Details of specification of standard management" No.60
(content 3.1)
1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Jason

■ 18.04 Commodity
Household and Similar Equipment (Integrated Stereo)
E005 Energy efficiency
Integrated Stereo-Energy Efficiency Criteria and Labeling Method
1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

P30, total 63 pages

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



18.07 Commodity

Water Closet

M996 Performance/Function Test (Water Consumption, Residual Urine, Drain Line Transport Characterization, Trap Seal Depth Determination, Gas Leakage, Water Leakage, Flushing, Drainage)

Regulations for Management of Water Efficiency Label, Appendix, Test Method 1

Regulations for Management of Water Efficiency Label, Appendix, Test Method 2

Regulations for Management of Water Efficiency Label, Appendix, Test Method 3

ASME A112.19.2

CNS 3220

CNS 3221

Length of Tube 18 m (60 ft)

Jet Water Closet: 53 mm Wooden Ball

Other Water Closet: 38 mm Wooden Ball

Approval Signatory: WU, Chris; LI, Yueh-Feng; LIN, Jimmy

18.07 Commodity

Faucets

M996 Performance/Function Test (Stopping, Operability, Discharging, Durability)

CNS 8088

Approval Signatory: WU, Chris; LI, Yueh-Feng; LIN, Jimmy

18.07 Commodity

Auto-stop Faucet

M996 Supplying Time Test

Regulations for Management of Water Efficiency Label, Appendix, Test Method 8

Approval Signatory: WU, Chris; LI, Yueh-Feng; LIN, Jimmy

18.07 Commodity

Flush Urinals

M996 Ink Test

Residual Urine Test

Performance/Function Test (Discharging)

Regulations for Management of Water Efficiency Label, Appendix, Test Method 9

CNS 3221

CNS 8088

Water Pressure: 0.1 MPa (1.0 kgf/cm²)

Approval Signatory: WU, Chris; LI, Yueh-Feng; LIN, Jimmy

18.07 Commodity

Flush Tank Parts

M996 Flush Valve Leakage and Durability Test

Fill Valve Anti-siphon Test

Flush Valve Discharging Test

Water Closet Tank Leakage Test

Float Ball of Water Closet Durability Test

Regulations for Management of Water Efficiency Label, Appendix, Test Method 4

Regulations for Management of Water Efficiency Label, Appendix, Test Method 5

Regulations for Management of Water Efficiency Label, Appendix, Test Method 7

ASSE 1002

P31, total 63 pages



CNS 3220-1
CNS 8088
Volume \leq 9 L

Approval Signatory: WU, Chris; LI, Yueh-Feng; LIN, Jimmy

18.07 Commodity

Shower Head

M996 Performance/Function Test (Operability, Discharging, Leakage)

CNS 15167

Water Pressure: (0.1 to 0.5) MPa, (1.0 to 5.0) kgf/cm²

Approval Signatory: WU, Chris; LI, Yueh-Feng; LIN, Jimmy

19.06 Electronic and Electric

Uninterruptible power supply

E001 safety

IEC 62040-1

CNS 14843-1

CNS 14843-2

1 \emptyset , 300 Vac max., 47 Hz to 63 Hz, 30 A max.

3 \emptyset , 440 V max., 50 Hz to 60 Hz, 150 kW max.

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Jason

19.08 Electronic and Electric

Portable air-cooled air conditioners

E005 energy efficiency

CNS 18326

1 \emptyset , 250 Vac max., 30 A max., 50 Hz/60 Hz

only for clause 5.1, clause 5.3 and clause 9

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

Testing Site: 1.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

19.11 Electronic and Electric

Hand-held motor-operated electric tools

E001 safety

CNS 14905

IEC 60745-1

1 \emptyset , 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

19.11 Electronic and Electric

Portable Electric Circular Saws

E001 safety

CNS 9811

CNS 9812

1 \emptyset , 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

P32, total 63 pages



19.11 Electronic and Electric
Hand-held or Portable or Desktop Electric Grinders
E001 Safety
CNS 3265
CNS 10609
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

19.11 Electronic and Electric
Hand-held or Portable or Desktop Electric Disk-type Sanders
E001 Safety
CNS 3266
CNS 10610
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

19.11 Electronic and Electric
Drills
E001 safety
CNS 14905
CNS 14905-1
CNS 3264
IEC 60745-1
IEC 60745-2-1
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

19.11 Electronic and Electric
Grinders, polishers and disk-type sanders
E001 safety
CNS 14905
CNS 14905-3
CNS 3265
CNS 3266
CNS 10609
CNS 10610
IEC 60745-1
IEC 60745-2-3
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

19.99 Electronic and Electric
Electrical appliances, Degree of protection provided by enclosure (IP code)
E003 safety
CNS 14165
IEC 60529
ISO 20653
MIL-STD-810E Method 512.3
MIL-STD-810F Method 512.4
a) IP1X to IP6X
P33, total 63 pages



b) IPX1 to IPX9 (Max. 1.4 m immersion depth for IPX8)
ISO 20653 only for IPX9K
On-Site Testing Included (Only for IP1X to IP4X and IPX3 to IPX6)

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy

19.99 Electronic and Electric
Electric & electronic products
E003 Composite Temperature/Humidity Cyclic Test
CNS 12566

Approval Signatory: LI, Yueh-Feng; LIN, Jimmy

20.21 Information Technology and Communication
Information and communication technology equipment
E001 Safety
CNS 15321
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
3 Ø, 440 V max., 50 Hz to 60 Hz, 50 A max.
60 Vdc max, 35 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Andre; PAN, Jason

20.21 Information Technology and Communication
Information technology equipment – Safety –Part 1: General requirements, 3C Li-ion
Power Bank & 3C Battery Charger
E001 safety
IEC 60950-1
EN 60950-1
CNS 14336-1
AS/NZS 60950.1
UL 60950-1
J60950-1
GB4943
CAN/CSA-C22.2 No.60950-1
1 Ø, 300 Vac max., 47 Hz to 63 Hz, 50 A max.
3 Ø, 440 V max., 47 Hz to 63 Hz, 50 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Jason

20.21 Information Technology and Communication
Printers
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.19
(content 3.1)
250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Andre; PAN, Jason



20. 21 Information Technology and Communication

Scanner

E005 Energy efficiency

EPA announced EP labeling "Details of specification of standard management" No.88
(content 3.1)

250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Andre; PAN, Jason

20. 21 Information Technology and Communication

Information Technology and Office Equipment (Computer)

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method;

EPA announced EP labeling "Details of specification of standard management" No.17
(contents 3.1)

1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

20. 21 Information Technology and Communication

Electric Paper Shredders

E005 Energy efficiency

EPA announced EP labeling "Details of specification of standard management" No.146
(content 3.1, 3.2)

1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Andre; PAN, Jason

20. 21 Information Technology and Communication

Computers

E005 Energy efficiency

ENERGY STAR® Program Requirements Product Specification for Computers

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

20. 21 Information Technology and Communication

Imaging Equipment including Digital Duplicator and Printer

E005 Energy efficiency

Imaging Equipment including Digital Duplicator and Printer-Energy Efficiency Criteria
and Labeling Method

EPA announced EP labeling "Details of specification of standard management" No.19
(content 3.1)

EPA announced EP labeling "Details of specification of standard management" No.78
(content 4.1)

1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason



20. 21 Information Technology and Communication
Information Technology and Office Equipment (Display)
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.18
(content 3.1)
1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method
1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

20. 21 Information Technology and Communication
Laser Products
O024 safety
CNS 15016-1
CNS 15527
IEC 60825-1
EN 60825-1
2 mW max., 200 nm to 1100 nm;
CNS 15527 only for clause 3.1.3 and 5

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

22. 05 Transportation Equipment
Electric vehicle AC conductive charging system
E001 Safety
CNS 15511-1
IEC 61851-1
1 Ø, 250 Vac max., 50 Hz/60 Hz, 30 kVA max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Andre

22. 05 Transportation Equipment
Electric vehicle DC conductive charging system
E001 Safety
CNS 15511-1
IEC 61851-1
CNS 15511-23
IEC 61851-23
No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan R.O.C.:
Input: 3 Ø, 380 Vac max., 50 Hz/60 Hz, (L-L) 175 A max., 250 kVA max.
Output: 1000 Vdc max., 250 A max., 250 kW max.
No.195, Sec. 4, Chung Hsing Rd., Chutung: Township, Hsinchu County 31040, Taiwan
(R.O.C.):
Input: 3 Ø, 380 Vac max., 50 Hz/60 Hz, (L-L) 350 A max., 400 kVA max.
Output: 1000 Vdc max., 400 A max., 400 kW max.
Excluded Ch12.4 IP testing, Ch12.9 Damp Heat functional test and Ch12.10 (Minimum
temperature functional test
P36, total 63 pages



Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Andre
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.Bldg.56, No.195, Sec. 4, Chung Hsing Rd., Chutung Township, Hsinchu County
31040, Taiwan (R.O.C.)

■ 22.05 Transportation Equipment
Electric motorcycles conductive charging system
E001 safety
CNS 15425-1
1 Ø, 300 Vac max., 47 Hz to 63 Hz, 30 A max.
3 Ø, 440 V max., 50 Hz to 60 Hz, 30 A max.
120 Vdc max, 30 A max.

Approval Signatory: LI, Yueh-Feng; CHANG, Matt; CHEN, Jason; PENG, Vicky

■ 22.05 Transportation Equipment
Electric motorcycles conductive charging system – Part 2: The safe connection
requirements
E001 safety
CNS 15425-2
1 Ø, 300 Vac max., 47 Hz to 63 Hz, 30 A max.
3 Ø, 440 V max., 50 Hz to 60 Hz, 30 A max.
120 Vdc max, 30 A max.

Approval Signatory: LI, Yueh-Feng; CHANG, Matt; CHEN, Jason; PENG, Vicky

■ 22.05 Transportation Equipment
Electric vehicle DC conductive charging system
E019 Digital communication between a d.c. EV charging station and an electric vehicle
for control of d.c. charging
CNS 15511-24
IEC 61851-24

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Andre

Accreditation Program for Designated Testing Laboratory for Commodities Inspection

■ 18.01 Commodity
5G Smart pole
E001 Safety
5G Smart pole system technical specification - Part 1: General requirement
5G Smart pole system technical specification - Part 5: Electrical Safety Requirements
1 Ø, 300 Vac max., 60 Hz, 30 A max.
3 Ø, 440 V max., 60 Hz, 30 A max.
(Include on site testing, On site test exclude the test for Degree of protection provided by
enclosure (IP code) and humidity testing)

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Andre

E001 Safety-Power supply systems requirements
5G Smart pole system technical specification - Part 1: General requirements
5G Smart pole system technical specification - Part 8: Power supply systems requirements
On-site testing only for clause 4.2

Approval Signatory: WU, Chris; LIN, Jimmy

P37, total 63 pages

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



18.01 Commodity
G5/G13 Double-capped integrated LED lamps
E001 Safety
CNS 15983 (2019)
1 Ø, 250 Vac max., 125 W max., 50 Hz/60 Hz;
150 Vdc max., 125 W max.

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Portable general purpose luminaires
E001 safety
CNS 14335 (1999)
IEC 60598-2-4 (1997)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Luminaires with built-in transformers for filament lamps
E001 safety
CNS 14335 (1999)
IEC 60598-2-6 (1994) (1996)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Aquarium luminaires
E001 safety
CNS 14335 (1999)
IEC 60598-2-11 (2005)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Double-capped LED lamps designed to retrofit linear fluorescent lamps
E001 Safety
CNS 15829 (2015)
1 Ø, 250 Vac max., 125 W max., 50 Hz/60 Hz;
150 Vdc max., 125 W max.

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.
P38, total 63 pages



18.01 Commodity
Self-ballasted LED-lamps for general lighting services
E001 safety
CNS 15436 (2012)
1 Ø, 250 Vac max., 60 W max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Fixed general purpose luminaires
E001 safety
CNS 14335 (1999)
IEC 60598-2-1 (1979) (1987)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Recessed luminaires
E001 safety
CNS 14335 (1999)
IEC 60598-2-2 (1979) (1997-01)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Lighting chain
E001 safety
CNS 14335 (1999)
IEC 60598-2-20 (1998)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Extra low-voltage lighting systems for filament lamps
E001 safety
CNS 14335 (1999)
IEC 60598-2-23 (1996) (2001)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.



18.01 Commodity
Double-capped LED tubular lamps
E001 safety
CNS 15438 (2019)
1 Ø, 250 Vac max., 125 W max., 50 Hz/60 Hz
150 Vdc max., 125 W max.

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.01 Commodity
Self-ballasted LED lamps for general lighting services
with supply voltage > 50 V
O995 Optical and Electrical
CNS 15630 (2019)
1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz;
Excluded Electromagnetic noise and Surge Protection Test

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

18.01 Commodity
Double-capped LED lamps
O995 Optical and Electrical Inspection
CNS 16027 (2019)
1 Ø, 300 Vac max., 20 A max., 50 Hz/60 Hz;
Excluded Electromagnetic noise and Surge Protection Test

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

18.02 Commodity
Electrical appliances for use with aquariums and garden ponds
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-55 (2015)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Battery chargers
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-29 (2016)
CNS 60335-2-29 (2019)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu



■ 18.02 Commodity
Appliances for heating liquid
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-15 (2014)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Spin extractors for clothes
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-4 (2015)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

■ 18.02 Commodity
Floor treatment machines and wet scrubbing machines
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-10 (2015)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Refrigerators appliances and ice-makers
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-24 (2016)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

E005 Energy efficiency
CNS 2062 (2000) (clause 5.2, 5.3, 5.10 and 7)
1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

■ 18.02 Commodity
instantaneous water heaters
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-35 (2016)
1 Ø, 250 Vac max., 50 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

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18.02 Commodity
Vacuum cleaners and water suction cleaning
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-2 (2015)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Shavrs, hair clippers and similar appliances
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-8 (2015)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Deep fat fryers, frying pan and similar appliances
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-13 (2014)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Air-cleaning appliances
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-65 (2015)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.
No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Except clause 32.102
No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Only for clause 32.102

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre; YEN, Ko-Chu
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity
Thermal-storage room heaters
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-61 (2015)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu



■ 18.02 Commodity
Warming plates and similar appliances
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-12 (2014)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Room heater
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-30 (2015)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Massage appliances
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-32 (2015)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Washing machine
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-7 (2014)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

■ 18.02 Commodity
Dishwasher, dish dryer
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-5 (2015)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Appliances for skin and hair care, hand dryer, hair dryer
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-23 (2015)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu
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■ 18.02 Commodity

Fans

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-80 (2015)

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;

60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Portable immersion heaters

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-74 (2015)

1 Ø, 250 Vac max., 3 kW max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Toasters, grills, roasters, hob, cooking ranges, cooking tables, oven, cooking stove and similar appliances

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-6 (2015)

CNS 60335-2-9 (2016)

1 Ø, 250 Vac max., 50 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Toilets appliances

E001 Safety

CNS 60335-1 (2014)

CNS 60335-2-84 (2017)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Clothes dryers and towel rails

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-43 (2015)

1 Ø, 250 Vac max., 50 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Range hood

E001 safety

CNS 60335-1 (2014)

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CNS 60335-2-31 (2015)
CNS 3805 (1989)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz
CNS 3805 (1989) only clause 3.7 「 Air volume 」

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

UV disinfection (sterilization) electrical appliances

E001 safety

CNS 60335-1 (2014)

Bureau of Standards, Metrology and Inspection, M.O.E.A.

Relevant inspection regulations of mandatory inspection for UV disinfection (sterilization) electrical appliances (2022)

1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;

60 Vdc max., 20 A max.

No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Except clause 32 -

Measurement for photobiological safety of lamps and lamp systems

No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Only for clause 32 -

Measurement for photobiological safety of lamps and lamp systems

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

■ 18.02 Commodity

Electric storage tank water heaters

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-21 (2015)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

E005 Energy efficiency

CNS 11010 (2013) (clause 8.11 and 8.14)

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Microwave oven

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-25 (2016)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

E005 Energy efficiency

CNS 60705 (2018) (clause 6, 8 and 9)

CNS 62301 (2017)

1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

P45, total 63 pages

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



18.02 Commodity

Insect killers

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-59 (2015)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;

60 Vdc max., 35 A max.

No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Except clause 32

No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Only for clause 32

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity

Blankets, pads and similar flexible heating appliances

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-17 (2015)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;

60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity

Foot warmers and heating mats

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-81 (2015)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity

Electrical heat pumps, air-conditioners and dehumidifiers

E001 safety

CNS 3765 (2005)

IEC 60335-2-40 (2005-07)

CNS 60335-1 (2014)

CNS 60335-2-40 (2015)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz; 3 Ø, 380 Vac max., 45 kVA max., 50 Hz/60 Hz

No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: CNS 3765, CNS 60335-1, CNS 60335-2-40, IEC 60335-1 and IEC 60335-2-40 except 3 Ø for clause 10, 11 and 19;

No.2-1, Nan-Yuang Rd, Zhongli Dist, Taoyuan City: CNS 3765, CNS 60335-1, CNS 60335-2-40, IEC 60335-1 and IEC 60335-2-40 only for clause 10, 11 and 19

No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: Except 3 Ø; CNS 3765, CNS 60335-1, CNS 60335-2-40, IEC 60335-1 and IEC 60335-2-40 Only for clause 10, 11 and 19

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan,

R.O.C.; 3.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.



E005 Energy efficiency

CNS 3615 (2013) (Excluded 5.7, 5.8, 5.9 and 5.10)

CNS 12492 (2010)

No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City, 33383, Taiwan, R.O.C: 1 Ø, 250 Vac max., 30 A max., 60 Hz

No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.: 1 Ø, 250 Vac max., 30 A max., 60 Hz; 3 Ø, 380 Vac max., 45 kVA max., 60 Hz

No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.: 1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C.; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan,

R.O.C.; 3.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity

Electric iron

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-3 (2014)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity

Tumbling dryer

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-11 (2014)

1 Ø, 250 Vac max., 50 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

18.02 Commodity

Kitchen machine

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-14 (2015)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;

60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity

Heat pump water heaters

E001 safety

CNS 60335-1 (2014)

CNS 60335-2-21 (2015)

CNS 60335-2-40 (2015)

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan

R.O.C.; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.



18.02 Commodity
Motor-Compressor
E001 safety
CNS 3765 (2005)
CNS 3765-34 (2000)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

18.02 Commodity
Water purifier or Water filter
E001 Safety
CNS 60335-1 (103 年版)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Fabric steamers
E001 safety
CNS 60335-1 (2014)
CNS 60335-2-85 (2020)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Appliances for heating liquidsafety
E005 energy efficiency
CNS 3910 (2016) (Clause 5, 8.3, 10 and 13)
CNS 12625 (2012) (Clause 5.4, 5.7 and 11)
CNS 13516 (2014) (Clause 6.3, 6.7, 6.9, 6.11 and 7.1. (i))
CNS 15929 (2016) (Clause 6.3, 6.8, and 6.10)
CNS 2518 (2016) (Clause 6.5 and 7. (g))
CNS 12623 (2014) (Clause 10.7 and 10.8)
1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Air source heat pump water heaters
E005 Energy efficiency
CNS 15466 (2011)
No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.:
1 Ø, 250 Vac max., 30 A max., 60 Hz;
3 Ø, 380 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun
Testing Site: 1.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.



■ 18.04 Commodity
Audio/video, information and communication technology equipment
E001 safety
CNS 15598-1 (2020)
1 Ø, 600 Vac max., 47 Hz to 63 Hz, 50 A max.
3 Ø, 440 V max., 50 Hz to 60 Hz, 50 A max.
60 Vdc max, 35 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Andre; PAN, Jason

E001 safety
CNS 15598-1 (2020)
1 Ø, 600 Vac max., 47 Hz to 63 Hz, 50 A max.
3 Ø, 440 V max., 50 Hz to 60 Hz, 50 A max.
60 Vdc max, 35 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Andre; PAN, Jason

■ 18.04 Commodity
Audio, video and similar electronic apparatus - Safety requirements
E001 safety
CNS 14408 (2004)
250 Vac max., 30 A max., 50 Hz/60 Hz, 1 Ø

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Jason

■ 19.06 Electronic and Electric
Uninterruptible power supply
E001 safety
CNS 14843-1 (2004)
CNS 14843-2 (2004)
CNS 14336-1 (2010)
1 Ø, 300 Vac max., 47 Hz to 63 Hz, 30 A max.
3 Ø, 440 V max., 50 Hz to 60 Hz, 150 kVA max.

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Jason

■ 19.08 Electronic and Electric
Portable air-cooled air conditioners
E005 energy efficiency
CNS 18326 (2022)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz
only for clause 5.1, clause 5.3 and clause 9

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun
Testing Site: 1.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.



19. 11 Electronic and Electric
Portable Electric Grinders
E001 safety
CNS 3265 (2001)
CNS 10609 (1995)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

19. 11 Electronic and Electric
Portable Electric Disk-type Sanders
E001 Safety
CNS 3266 (2001)
CNS 10610 (1995)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; YU, Yi-Chun

19. 11 Electronic and Electric
Circular saws, circular knives and Portable Electric Circular Saws
E001 safety
CNS 9811 (2001)
CNS 9812 (1995)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

19. 11 Electronic and Electric
Drills
E001 safety
CNS 3264 (2001)
IEC 60745-1 (2001) + A1 (2002)
IEC 60745-2-1 (2003)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

19. 11 Electronic and Electric
Grinders, polishers and disk-type sanders
E001 safety
IEC 60745-1 (2001) + A1 (2002)
IEC 60745-2-3 (1984) + A1 (1995)
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung

20. 21 Information Technology and Communication
Information and communication technology equipment
E001 Safety
CNS 15321 (99)
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
3 Ø, 440 V max., 50 Hz to 60 Hz, 50 A max.
60 Vdc max, 35 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Andre; PAN, Jason
P50, total 63 pages



20. 21 Information Technology and Communication
Information technology equipment – Safety –Part 1: General requirements, 3C Li-ion
Power Bank & 3C Battery Charger (including Drones)

E001 Safety
CNS 14336-1 (2010)
CNS 15598-1 (2020)
1 Ø, 300 Vac max., 47 Hz to 63 Hz, 30 A max.
3 Ø, 440 V max., 50 Hz/60 Hz, 30 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky; PAN, Jason

20. 21 Information Technology and Communication

Laser Products
O024 safety
CNS 15016-1 (2014)
CNS 15527 (2018)
4 W max., 200 nm to 1100 nm;
CNS 15527 only for clause 3.1.3 and 5

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

22. 05 Transportation Equipment
Electric vehicle AC conductive charging system

E001 Safety
CNS 15511-1 (2021)
1 Ø, 250 Vac max., 50 Hz/60 Hz, 30 kVA max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Andre

22. 05 Transportation Equipment
Electric vehicle DC conductive charging system

E001 Safety
CNS 15511-1 (2021)
CNS 15511-23 (2021)
No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan R.O.C.:
Input: 3 Ø, 380 Vac max., 50 Hz/60 Hz, (L-L) 175 A max., 250 kVA max.
Output: 1000 Vdc max., 250 A max., 250 kW max.
No.195, Sec. 4, Chung Hsing Rd., Chutung: Township, Hsinchu County 31040, Taiwan (R.O.C.) :
Input: 3 Ø, 380 Vac max., 50 Hz/60 Hz, (L-L) 350 A max., 400 kVA max.
Output: 1000 Vdc max., 400 A max., 400 kW max.
Excluded Ch12.4 IP testing, Ch12.9 Damp Heat functional test and Ch12.10 (Minimum temperature functional test

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Andre
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan R.O.C.; 2.Bldg.56, No.195, Sec. 4, Chung Hsing Rd., Chutung Township, Hsinchu County 31040, Taiwan (R.O.C.)



■ 22. 05 Transportation Equipment
Electric motorcycles conductive charging system
E001 safety
CNS 15425-1 (2011)
CNS 15425-1 (2015)
1 Ø, 300 Vac max., 47 Hz to 63 Hz, 30 A max.
3 Ø, 440 V max., 50 Hz to 60 Hz, 30 A max.
120 Vdc max., 30 A max.

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PENG, Vicky

■ 22. 05 Transportation Equipment
Electric vehicle DC conductive charging system
E019 Digital communication between a d.c. EV charging station and an electric vehicle
for control of d.c. charging
CNS 15511-24 (2013)

Approval Signatory: CHANG, Matt; CHEN, Jason; CHEN, Shih-Wei; PAN, Andre

Accreditation Program for Environmental protection product certification Testing Laboratory

■ 18. 02 Commodity
Air conditioners (Non-ducted type)
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.29
(contents 4.1, 4.2)
No. 8, Lane 29, Wenming Rd, Guishan Shiang Dist.: 1 Ø, 250 Vac max., 30 A max., 60 Hz
No. 2-1, Nan-Yuang Rd., Jung Li Dist.: 1 Ø, 250 Vac max., 30 A max., 60 Hz; 3 Ø, 380 Vac
max., 45 kVA max., 60 Hz
No. 64, Wen-Ming Rd., Guishan Shiang Dist.: 1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C.; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan,
R.O.C.; 3.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

■ 18. 02 Commodity
Air Source Heat Pump Water Heaters
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.132
(content 2.1, 2.2)
1 Ø, 250 Vac max., 30 A max., 60 Hz
3 Ø, 380 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun
Testing Site: 1.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan,
R.O.C.

■ 18. 02 Commodity
Clothes washer
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.23
(contents 3.1, 3.2)
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun
P52, total 63 pages



18.02 Commodity
Dehumidifier
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.48
(content 3.1)
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; YEN, Ko-Chu

18.02 Commodity
Electric storage tank boiling water heaters
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.111
(content 2.1)
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Electric storage tank water heaters
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.101
(content 2.0)
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Water dispensers
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.87
(content 4.1)
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Water fountain machines
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.91
(content 3.0)
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Refrigerators
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.28
(content 2.0)
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun
P53, total 63 pages



18.02 Commodity

Electric fan

E005 Energy efficiency

EPA announced EP labeling "Details of specification of standard management" No.81
(content 3.1)

1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

20.21 Information Technology and Communication

Printers

E005 Energy efficiency

EPA announced EP labeling "Details of specification of standard management" No.19
(content 3.1)

250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Andre; PAN, Jason

20.21 Information Technology and Communication

Scanner

E005 Energy efficiency

EPA announced EP labeling "Details of specification of standard management" No. 88
(content 3.1)

1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Andre; PAN, Jason

20.21 Information Technology and Communication

Information Technology and Office Equipment (Computer)

E005 Energy efficiency

EPA announced EP labeling "Details of specification of standard management" No.66
(contents 3.1, 3.2)

250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

20.21 Information Technology and Communication

Electric Paper Shredders

E005 Energy efficiency

EPA announced EP labeling "Details of specification of standard management" No.146
(content 3.1)

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Andre; PAN, Jason

20.21 Information Technology and Communication

Imaging Equipment, Including Digital Duplicator

E005 Energy efficiency

EPA announced EP labeling "Details of specification of standard management" No.78
(content 4.1)

250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

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



20. 21 Information Technology and Communication
Information Technology and Office Equipment (Display)
E005 Energy efficiency
EPA announced EP labeling "Details of specification of standard management" No.18
(content 3.1)
1 Ø, 250 Vac max., 20 A max., 60 Hz

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

Accreditation Program for BSMI Mutual Recognition Arrangement with Foreign Authorities

18. 01 Commodity
d.c. or a.c. supplied electronic controlgear for LED modules
E001 safety
IEC 61347-2-13: 2006
IEC 61347-2-13: 2014 + A1: 2016
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz
150 Vdc max., 20 A max.

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18. 01 Commodity
Electric table, desk, bedside of floor-standing lamp
E001 safety
IEC 60598-1
IEC 60598-2-4: 2017
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18. 01 Commodity
Lighting chain
E001 safety
IEC 60598-2-20: 2002
IEC 60598-2-20: 2022
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: WU, Chris; LIN, Jimmy; CHEN, Michael
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan
R.O.C; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18. 02 Commodity
Battery chargers
E001 safety
IEC 60335-2-29: 2002 + A1: 2004
IEC 60335-2-29: 2016 + A1: 2019
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu



18.02 Commodity
appliances for heating liquids
E001 safety
IEC 60335-1
IEC 60335-2-15: 2002
IEC 60335-2-15: 2012 + A1: 2016 + A2: 2018
PNS IEC 60335-1: 2011
PNS IEC 60335-2-15: 2015
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Shavrs, hair clippers and similar appliances
E001 safety
IEC 60335-2-8: 2002
IEC 60335-2-8: 2012 + A1: 2015 + A2: 2018
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Deep fryer, frying pan and similar appliances
E001 safety
IEC 60335-2-13: 2002
IEC 60335-2-13: 2021
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

18.02 Commodity
Room air-conditioner
E001 safety
IEC 60335-2-40: 2002
PNS IEC 60335-1: 2011
PNS IEC 60335-2-40: 2013
PNS 396-1: 1998
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz; 3 Ø, 380 Vac max., 45 kVA max., 50 Hz/60 Hz
No.8, Lane 29, Wenming Rd, Guishan Shiang Dist, Taoyuan City: IEC 60335-2-40, PNS IEC 60335-1 (2011) and PNS IEC 60335-2-40 (2013)
No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City: IEC 60335-2-40, PNS IEC 60335-1 (2011) and PNS IEC 60335-2-40 (2013) (Only clause 10, 11, 19 apply)
No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City: IEC 60335-2-40, PNS IEC 60335-1 (2011) and PNS IEC 60335-2-40 (2013) (Only clause 10, 11, 19 apply)

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

18.02 Commodity
Washing machine
E001 safety
IEC 60335-2-7: 2000
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IEC 60335-2-7: 2019
1 Ø, 250 Vac max., 20 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

■ 18.02 Commodity
Table & standing fan, wall fans (include ceiling fans)
E001 safety
IEC 60335-2-80: 2002
IEC 60335-2-80: 2015
SS 655: 2020
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.;
SS 655 (2020) Annex ZA only

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Appliances for grills, toasters and similar portable cooking
E001 safety
IEC 60335-1
IEC 60335-2-9: 2002
IEC 60335-2-9: 2019
PNS IEC 60335-1: 2011
PNS IEC 60335-2-9: 2016
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Vacuum cleaner
E001 safety
IEC 60335-2-2: 2002
IEC 60335-2-2: 2019
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity
Hair dryer
E001 safety
IEC 60335-2-23: 2003
IEC 60335-2-23: 2016 + A1: 2019
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;
60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu



■ 18.02 Commodity

Cooking range

E001 safety

IEC 60335-2-6: 2002

IEC 60335-2-6: 2014 + A1: 2018

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Microwave oven

E001 safety

IEC 60335-2-25: 2002

IEC 60335-2-25: 2020

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Refrigerator

E001 safety

IEC 60335-2-24: 2020

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;

60 Vdc max., 35 A max.

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; PAN, Andre

■ 18.02 Commodity

Mixer, blender, meat grinder and similar appliances

E001 safety

IEC 60335-2-14: 2002

IEC 60335-2-14: 2016 + A1: 2019

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz;

60 Vdc max., 35 A max.

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

■ 18.02 Commodity

Electric iron

E001 safety

IEC 60335-2-3: 2002

IEC 60335-2-3: 2012 + A1: 2015

1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; PAN, Andre; YEN, Ko-Chu

Accreditation Program for Energy Efficiency testing Laboratory

■ 18.01 Commodity

LED lamp

E005 Energy efficacy

The power efficiency and indicative method for energy label of LED lamp

300 Vac max., 20 A max.

Approval Signatory: WU, Chris; LIN, Jimmy

Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

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■ 18.01 Commodity
Indoor Light Luminaire
E005 Energy efficacy
The power efficiency and indicative method for energy label of Indoor Light Luminaire
300 Vac max., 20 A max.,
600 Vdc max., 15 A max.

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

■ 18.01 Commodity
Street Lights
E005 Energy efficacy
Fixtures of roadway lighting Energy Efficiency Criteria and Labeling Method for Energy
Label
300 Vac max., 20 A max.,
600 Vdc max., 15 A max.

Approval Signatory: WU, Chris; LIN, Jimmy
Testing Site: 1.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383,
R.O.C.

■ 18.02 Commodity
Chilled-warm-hot water dispensers
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Chilled-
Warm-Hot Drinking water Dispensers,
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity
Chilled-warm-hot water fountain machines
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Chilled-
Warm-Hot Drinking Water Supplier
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity
Freezers
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Freezers
1 Ø, 250 Vac max., 30 A max., 50 Hz/60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

■ 18.02 Commodity
Hairdryers
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Hair dryers
1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu
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18.02 Commodity
Air Source Heat Pump Water Heaters
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Label Qualified Air Source Heat Pump Water Heaters
1 Ø, 250 Vac max., 30 A max., 60 Hz;
3 Ø, 380 Vac max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun
Testing Site: 1.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.

18.02 Commodity
Clothes washer
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Washing Machines
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

18.02 Commodity
Ventilating Fans for Bath Room Use
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Ventilating Fans for Bathroom use
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu
Testing Site: 1.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

18.02 Commodity
Dehumidifier
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Dehumidifiers
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun; YEN, Ko-Chu

18.02 Commodity
Clothes dryer
E005 Energy efficiency
Clothes dryer Energy Efficiency Criteria and Labeling Method
1 Ø, 250 V max., 50 A max., 60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

18.02 Commodity
Air conditioners (Non-ducted type)
E005 Energy efficiency
Energy Conservation Labeling Program Requirements for Non-ducted Air Conditioners
Guishan Shiang Wen-Ming Rd.29 Lane No. 8: 1 Ø, 250 Vac max., 30 A max., 60 Hz
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Jung Li, Nan-Yuang Rd. No.2-1: 1 Ø, 250 Vac max., 30 A max., 60 Hz; 3 Ø, 380 Vac max., 45 kVA max., 60 Hz

Guishan Shiang Wen-Ming Rd, No. 64: 1 Ø, 250 Vac max., 30 A max., 60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun
Testing Site: 1.No.8, Lane 29, Wenming Rd., Guishan Dist, Taoyuan City, 33383, Taiwan R.O.C.; 2.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.; 3.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.

■ 18.02 Commodity

Electric storage tank boiling water heaters

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Electric Storage Tank Boiling Water Heaters

1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Electric storage tank water heaters

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Electric Storage Tank Water Heaters

1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Microwave oven

E005 Energy efficiency

Energy Efficiency Criteria and Labeling Method for Label Qualified Microwave Oven

1 Ø, 250 V max., 20 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Warm-hot water dispensers

E005 Energy efficiency

Energy Conservation Labeling Program Requirements for Warm-Hot Drinking Water Dispensers

1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

■ 18.02 Commodity

Warm-hot water fountain machines

E005 Energy efficiency

Energy Conservation Labeling Program Requirements for Warm-Hot Water Fountains Machines

1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu



18.02 Commodity
Refrigerators
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Refrigerators
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: LI, Yueh-Feng; SHEN, Li-Hung; LIN, Jimmy; YU, Yi-Chun

18.02 Commodity
Electric fan
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Electric Fans
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Electric ovens
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Electric Ovens
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Electric pots
E005 Energy efficiency
Energy Conservation Labeling Program Requirements for Electrical Hot Water Pots
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Electric cookers
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Electric Cookers
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu

18.02 Commodity
Ventilating Fans for Window Type
E005 Energy efficiency
Energy Efficiency Criteria and Labeling Method for Energy Label Qualified Ventilating Fans for Window type
1 Ø, 250 V max., 30 A max., 60 Hz

Approval Signatory: SHEN, Li-Hung; LIN, Jimmy; YEN, Ko-Chu
Testing Site: 1.No.2-1, Nan-Yuang Rd. Jung Li, Zhongli Dist, Taoyuan City 320, Taiwan, R.O.C.; 2.No.64, Wenming Rd, Guishan Shiang Dist, Taoyuan City, Taiwan, 33383, R.O.C.



■ 18.04 Commodity
Audio and Video Equipment (TV)
E005 Energy efficiency
TV-Energy Efficiency Criteria and Labeling Method
250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

■ 18.04 Commodity
Integrated Stereo
E005 Energy efficiency
Integrated Stereo-Energy efficiency Criteria and Labeling Method
250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

■ 20.21 Information Technology and Communication
Information Technology
and Office Equipment (Desktop Computer; Notebook Computer)
E005 Energy efficiency
Technology
and Office Equipment
(Desktop Computer; Notebook Computer) -Energy efficiency Criteria and Labeling
Method for Energy Label
250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

■ 20.21 Information Technology and Communication
Imaging Equipment including Digital Duplicator and Printer
E005 Energy efficiency
Imaging Equipment including Digital Duplicator and Printer-Energy Efficiency Criteria
and Labeling Method
250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

■ 20.21 Information Technology and Communication
Information Technology and Office Equipment (Display)
E005 Energy efficiency
Display-Energy Efficiency Criteria and Labeling Method
250 Vac max., 20 A max., 60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

Accreditation Program for Laboratory of U.S. EPA ENERGY STAR

■ 20.21 Information Technology and Communication
Computers
E005 Energy efficiency
ENERGY STAR® Program Requirements Product Specification for Computers
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 Ø

Approval Signatory: CHEN, Jason; CHEN, Shih-Wei; PAN, Jason

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

