

TPV Electronics (Fujian) Co., Ltd.
Ms. Sally Jiang Assistant Manager
Safety Dept. R&D Div.
Rongqiao Economic and
Technological Development Zone
Fuqing City
Fujian
P.R. China

Date : 13.06.2023
Our ref. : Zhaoso 02
Your ref.: S.J.

Ref : S GS-Zeichen

Type of Equipment : LCD Monitor
Model Designation : See Certificate
Certificate No. : S 50590017 0001
Report No. : 17061261 003

Dear Ms. Sally Jiang,

The above specified equipment has been tested and found to be in
accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a
given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder
applies all information required in § 6 of the ProdSG related to name
and address of the manufacturer or his authorized representative /
importer, including their respective contact addresses on the product
prior to marketing of the product in the European Economic Area.
In case you have a change regarding your involved local representative
for the certificate, please inform us in due time.

With kind regards,

Certification Body



Dipl.-Ing. Th. Illing

Enclosure

TÜV RHEINLAND TAIWAN LTD.

11F., No. 758, Sec. 4, Bade Rd.,
Songshan Dist., Taipei City 105,
Taiwan, R. O. C.
Tel. (02) 2172-7000
Fax (02) 2172-1322
<http://www.tuv.com>

NEW TAIPEI BRANCH:
No. 458-18 & 458-19,
Sec. 2, Fenliao Rd., Linkou Dist.,
New Taipei City 244,
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Fax (02) 2172-1322

KAOHSIUNG BRANCH:
27F.-3, No.80, Minzu 1st Rd.,
Sanmin Dist., Kaohsiung City 807,
Taiwan, R. O. C.
Tel. (07) 262-6000
Fax (07) 380-0577

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
S 50590017

Blatt *Sheet*
0001

Gültig ab
13.06.2023

Valid from
(day/mo/yr)

Ihr Zeichen *Client Reference*
S.J.

Unser Zeichen *Our Reference*
02-Zhaoso-17061261 003

Längstens gültig bis
12.06.2028

Latest expiration date
(day/mo/yr)

Genehmigungsinhaber *License Holder*

TPV Electronics (Fujian) Co., Ltd.
Rongqiao Economic and
Technological Development Zone
Fuqing City
Fujian
P.R. China

Fertigungsstätte *Manufacturing Plant*

Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



www.tuv.com
ID 1111270563

Geprüft nach *Tested acc. to*

EN 62368-1:2014+A11
EK1-ITB 2000:2023
EK1 527-12 Rev. 2

Zertifiziertes Produkt (Geräteidentifikation)

Certified Product (Product Identification)

Lizenzentgelte - Einheit

License Fee - Unit

Bildschirm (LCD Monitor)

Bezeichnung : siehe zugehörige Zertifikate oder
(Type Designation) Folgeblätter
(refer to accompanying certificates
or additional sheets)

8

Nennspannung (Rated Voltage) : 100-240VAC; 50/60Hz

Nennstrom (Rated Current) : 0,90-0,50A

Schutzklasse (Protection Class) : I

Max. Umgebungstemperatur : 40°C

(Max. Ambient Temperature)

Max. Betriebshöhe : 5000m

(Max. Operating Altitude)

Getestete Panel ist auf Blatt 0002 gelistet.

(Tested Panel is listed on page 0002.)

Hinweis: Anforderungen der AfPS GS 2019:01 PAK Klausel 3.1
berücksichtigt.

(Remark: Requirements of AfPS GS 2019:01 PAK clause 3.1
considered.)

Fortsetzung Blatt (continued on page) 0002

8

ANLAGE (Appendix) : 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 20 des
Produktsicherheitsgesetzes.

*This certificate is based on our Testing and Certification Regulation.
The provisions of §20 Product Safety Act are complied with.*



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

<http://www.tuv.com/safety> E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

Ausstellungsdatum *Date of Issue* : 13.06.2023 (day/mo/yr)

Dipl.-Ing. Th. Illing

Anlage Fertigungsstättenliste
/Attachment List of Factories



S 50590017 0001

1 TPV Electronics (Fujian) Co., Ltd.
Rongqiao Economic and
Technological Development Zone
Fuqing City
Fujian
P.R. China


TÜVRheinland®



Dieser Anhang ersetzt den Vorgänger vom/
This annex replaces the previous annex dated

Datum / Date 13.06.2023

Zertifizierungsstelle
/ Certification Body

A handwritten signature in blue ink, appearing to read "Th. Illing".

Dipl.-Ing. Th. Illing

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
S 50590017

Blatt *Sheet*
0002

Gültig ab
13.06.2023

Valid from
(day/mo/yr)

Ihr Zeichen *Client Reference*
S.J.

Unser Zeichen *Our Reference*
02-Zhaoso-17061261 003

Längstens gültig bis *Latest expiration date*
12.06.2028 (day/mo/yr)

Genehmigungsinhaber *License Holder*

TPV Electronics (Fujian) Co., Ltd.
Rongqiao Economic and
Technological Development Zone
Fuding City
Fujian
P.R. China

Fertigungsstätte *Manufacturing Plant*

Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



www.tuv.com
ID 1111270563

Geprüft nach *Tested acc. to*

EN 62368-1:2014+A11
EK1-ITB 2000:2023
EK1 527-12 Rev. 2

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

Bildschirm (LCD Monitor)

Fortsetzung (Continuation)

LCD-Display/LCD-Panel: LM240WUA (LG Display)
24,1 inch (61,1cm)

Pixelfehlerklasse/Pixel Fault Class: I

Vorgesehener Sehabstand/Sehrichtung

Design Viewing Distance/Direction : 500mm, senk./perpendic.

Sehrichtungsbereich/

Viewing Direction Range : 62,9°

Inhalt und Wahrnehmung : Virtualitätsdarstellung

Content and Perception : Artificial Information

Bestandteile der Beleuchtung/Components of the illumination

max. Bildschirmbeleuchtungsstärke/
max. Screen illuminance : 1500lx

Quelle mit großer, kleiner Öffnung
large, small aperture source : 200cd/m² & 2000cd/m²



Zertifizierungsstelle

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 20 des
Produktsicherheitsgesetzes.

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The provisions of §20 Product Safety Act are complied with.*

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Ausstellungsdatum *Date of Issue* : 13.06.2023 (day/mo/yr)

Th. Illing
Dipl.-Ing. Th. Illing

TPV Electronics (Fujian) Co., Ltd.
Ms. Sally Jiang Assistant Manager
Safety Dept. R&D Div.
Rongqiao Economic and
Technological Development Zone
Fuqing City
Fujian
P.R. China

Date : 13.06.2023
Our ref. : Zhaoso 02
Your ref.: M.U.

Ref : S GS-Zeichen

Type of Equipment : LCD Monitor
Model Designation : See Certificate
Certificate No. : S 50590022 0001
Report No. : 17061261 004

Dear Ms. Sally Jiang,

Enclosed please find above certification documents.
Please forward these originals to the certificate holder.

If you contact our office, please quote our reference above.

We thank you for your cooperation.

the certificate holder is: Sharp NEC Display Solutions, Ltd.

With kind regards,

Certification Body



Dipl.-Ing. Th. Illing

Enclosure

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27F.-3, No.80, Minzu 1st Rd.,
Sanmin Dist., Kaohsiung City 807,
Taiwan, R. O. C.
Tel. (07) 262-6000
Fax (07) 380-0577

Sharp NEC Display Solutions, Ltd.
Mr. Motoyasu Utsunomiya Manager
Quality Management System Inno
4-28, Mita 1-chome, Minato-ku
Tokyo
108-0073 Japan

Date : 13.06.2023
Our ref. : Zhaoso 02
Your ref.: M.U.

Ref : S GS-Zeichen

Type of Equipment : LCD Monitor
Model Designation : See Certificate
Certificate No. : S 50590022 0001
Report No. : 17061261 004

Dear Mr. Motoyasu Utsunomiya,

The above specified equipment has been tested and found to be in
accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a
given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder
applies all information required in § 6 of the ProdSG related to name
and address of the manufacturer or his authorized representative /
importer, including their respective contact addresses on the product
prior to marketing of the product in the European Economic Area.
In case you have a change regarding your involved local representative
for the certificate, please inform us in due time.

With kind regards,

Certification Body



Dipl.-Ing. Th. Illing

cc: TPV Electronics (Fujian) Co., Ltd.

Enclosure

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Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
S 50590022

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Gültig ab
13.06.2023

Valid from
(day/mo/yr)

Ihr Zeichen *Client Reference*
M.U.

Unser Zeichen *Our Reference*
02-Zhaoso-17061261 004

Längstens gültig bis
12.06.2028

Latest expiration date
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Sharp NEC Display Solutions, Ltd.
4-28, Mita 1-chome, Minato-ku
Tokyo
108-0073 Japan

Fertigungsstätte *Manufacturing Plant*

040-0002004373

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 62368-1:2014+A11
EK1-ITB 2000:2023
EK1 527-12 Rev. 2

Zertifiziertes Produkt (Geräteidentifikation)

Certified Product (Product Identification)

Lizenzentgelte - Einheit

License Fee - Unit

Bildschirm (LCD Monitor)

Bezeichnung : EA241WU; EA241WU-BK (NEC) 8
(Type Designation)
Nennspannung (Rated Voltage) : 100-240VAC; 50/60Hz
Nennstrom (Rated Current) : 0,90-0,50A
Schutzklasse (Protection Class) : I
Max. Umgebungstemperatur : 40°C
(Max. Ambient Temperature)
Max. Betriebshöhe : 5000m
(Max. Operating Altitude)
Getestete Panel ist auf Blatt 0002 gelistet.
(Tested Panel is listed on page 0002.)
Hinweis: Anforderungen der AfPS GS 2019:01 PAK Klausel 3.1
berücksichtigt.
(Remark: Requirements of AfPS GS 2019:01 PAK clause 3.1
considered.)

Fortsetzung Blatt (continued on page) 0002



8

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Produktsicherheitsgesetzes.

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Zertifizierungsstelle

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Bildschirm (LCD Monitor)

Fortsetzung (Continuation)

LCD-Display/LCD-Panel: LM240WUA (LG Display)
24,1 inch (61,1cm)

Pixelfehlerklasse/Pixel Fault Class: I

Vorgesehener Sehabstand/Sehrichtung

Design Viewing Distance/Direction : 500mm, senk./perpendic.

Sehrichtungsbereich/

Viewing Direction Range : 62,9°

Inhalt und Wahrnehmung : Virtualitätsdarstellung

Content and Perception : Artificial Information

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max. Bildschirmbeleuchtungsstärke/
max. Screen illuminance : 1500lx

Quelle mit großer, kleiner Öffnung
large, small aperture source : 200cd/m² & 2000cd/m²



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