

EU type-examination certificate

C2863.1CSS

Applicant / manufacturer	Changzhou Shine Science & Technology Co., Ltd. No. 318, Wuyi Road Economic Development Zone CHANGZHOU JIANGSU P.R.CHINA 213025
Identification of the manufacturer	CSS
Product type	Face-shield / helmet for welding and grinding
Model name	STAWAR see schedule for the different SG variants
Standard(s) / technical rules	Essential requirements according to Annex II of the PPE Regulation (EU) 2016/425 EN 166 : 2001, EN 169 : 2002, EN 175 : 1997
Test report(s)	1256-ECS-19, 1407-ECS-19
Materials and specifications	Helmet shell: Polyamide, Face-shields / visors: Polycarbonate, Optical class: 1 Protection against high-speed particles, medium energy impact (B)
Marking	Helmet shell: CSS 175 B CE Face-shields / visors: X CSS 1 B CE see schedule for the different SG variants

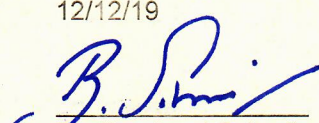
Herewith, ECS certifies that the named model complies with the essential requirements for health and safety as they are provided by the European Regulation (EU) 2016/425 for Personal Protective Equipment. This certificate is based both / either on the test results as they are summarized in the named test reports, and/or on the technical documentation as it is delivered by the manufacturer. The applicant / manufacturer agree to the General Business Rules of the ECS GmbH and to additional agreements as they are named in the application for conformity assessment.

The eye-protection device is to be marked as assigned. Either / both the frame and/or the ocular, spectacle, goggle or shield must be signed, as appropriate. If different markings have been assessed, the lowest marking must be applied, respectively. The validity of this EU type-examination certificate will expire on the date as mentioned below, and/or if the manufacturer modifies the safety-relevant properties of this product with comparison to the tested one and/or if the requirements in the standards or technical rules will be revised and/or tightened.

Name, address and identification number 1883 of the notified body ECS are to be indicated in the information brochure of this product.

This EU type-examination certificate is valid until 2024-09.

ECS GmbH
Notified Body 1883
12/12/19


Dr. Bernhard Schmitz
ECS-Certification



ECS GmbH – European Certification Service
Augenschutz und Persönliche Schutzausrüstung
Laserschutz und Optische Messtechnik
Hüttfeldstraße 50
73430 Aalen, Germany

CERTIFICATION SCHEDULE

Company:

Changzhou Shine Science & Technology Co., Ltd., CHANGZHOU, P.R.CHINA 213025

Annex to the EU type-examination certificate registration number C2863.1CSS,
dated from 12/12/19:

The following products / STAWAR SG variants are included in
this EU type-examination certificate:

Model name / variant	Measurement report	Add Specifications	Marking
STAWAR welding shell	12564-ECS-19, 14072-ECS-19	-	CSS 175 B CE
SG.PC-Clear	12561-ECS-19	Clear visor, no filtering action	CSS 1 B CE
SG.PC-SN.2	12562-ECS-19	Green tinted welding filter, shade 2	2 CSS 1 B CE
SG.PC-SN.3	12563-ECS-19	Green tinted welding filter, shade 3	3 CSS 1 B CE
SG.PC-SN.5	14071-ECS-19	Green tinted welding filter, shade 5	5 CSS 1 B CE

EU type-examination certificate

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Applicant / manufacturer	Changzhou Shine Science & Technology Co., Ltd. No. 318, Wuyi Road Economic Development Zone CHANGZHOU JIANGSU P.R.CHINA 213025
Identification of the manufacturer	CSS
Product type	Face-shield / helmet for welding and grinding
Model name	STAWAR see schedule for the different SW variants
Standard(s) / technical rules	Essential requirements according to Annex II of the PPE Regulation (EU) 2016/425 EN 166 : 2001, EN 169 : 2002, EN 175 : 1997
Test report(s)	1256-ECS-19, 1407-ECS-19
Materials and specifications	Helmet shell: Polyamide, Face-shields / visors: Polycarbonate, Optical class: 1 Protection against high-speed particles, medium energy impact (B)
Marking	Helmet shell: CSS 175 B CE Face-shields / visors: X CSS 1 B CE see schedule for the different SW variants

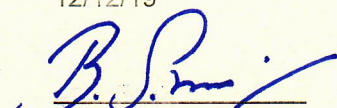
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The eye-protection device is to be marked as assigned. Either / both the frame and/or the ocular, spectacle, goggle or shield must be signed, as appropriate. If different markings have been assessed, the lowest marking must be applied, respectively. The validity of this EU type-examination certificate will expire on the date as mentioned below, and/or if the manufacturer modifies the safety-relevant properties of this product with comparison to the tested one and/or if the requirements in the standards or technical rules will be revised and/or tightened.

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The following products / STAWAR SW variants are included in
this EU type-examination certificate:

Model name / variant	Measurement report	Add Specifications	Marking
STAWAR welding shell	12564-ECS-19, 14072-ECS-19, 14075-ECS-19	-	CSS 175 B CE
flip visor: SW.PC-SN.5 base visor: SG.PC-SN.3	12563-ECS-19, 14073-ECS-19	Green tinted welding filters, base part shade 3 flip part shade 5	Base part: 3 CSS 1 B CE Flip part: 5 CSS 1 B CE
flip visor: SW.PC-SN.8 base visor: SG.PC-SN.2	12562-ECS-19, 14074-ECS-19	Green tinted welding filters, base part shade 2 flip part shade 8	Base part: 2 CSS 1 B CE Flip part: 8 CSS 1 B CE

Certificate of Compliance

Herewith, ECS certifies that the product(s)

STAWAR SG

being a helmet for welding and grinding

to be assembled with different tinted face-shields / visors

supplied by the company

Changzhou Shine Science & Technology Co., Ltd.

No. 318, Wuyi Road

Economic Development Zone

CHANGZHOU

JIANGSU

P.R.CHINA 213025

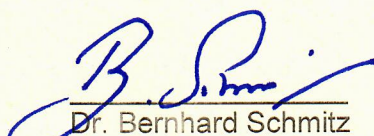
comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, impact resistance, ignition and flame resistance as they are described in the relevant European and / or International standards as indicated below.

Standard / technical rules	ANSI / ISEA Z87.1 - 2015
Test report	1256-ECS-19, 1407-ECS-19
Materials and specifications	Welding shell: Polyamide Face-shields / visors: Polycarbonate Impact rated eye- and face-protector
Marking	CSS WX Z87+ see schedule for the different SG-variants

The validity of this certificate of compliance (CoC) may be compromised if the manufacturer changes the safety related properties of the product or if the Standard referred to is modified or updated.

As a recognised and authorised testing laboratory / facility, we hereby authorise the use of our name, address and the identification number 1883 of the notified body ECS in marketing and information material produced by the manufacturer.

ECS GmbH
12/12/19


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CERTIFICATION SCHEDULE

Company:

Changzhou Shine Science & Technology Co., Ltd., CHANGZHOU, P.R.CHINA 213025

Annex to the ANSI Certificate of Compliance dated from 12/12/19:

The following products / STAWAR SG variants are included in this certificate:

Model name / variant	Measurement report	Add Specifications	Marking
STAWAR welding shell	12564-ECS-19, 14072-ECS-19	-	CSS Z87+
SG.PC-Clear	12561-ECS-19	Clear visor, no filtering action	CSS Z87+
SG.PC-SN.2	12562-ECS-19	Green tinted welding filter, shade 2	CSS W2 Z87+
SG.PC-SN.3	12563-ECS-19	Green tinted welding filter, shade 3	CSS W3 Z87+
SG.PC-SN.5	14071-ECS-19	Green tinted welding filter, shade 5	CSS W5 Z87+

Certificate of Compliance

Herewith, ECS certifies that the product(s)

STAWAR SG

being a helmet for welding and grinding

to be assembled with different tinted face-shields / visors

supplied by the company

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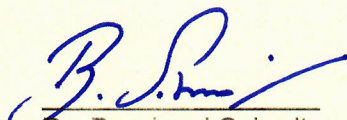
comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, impact resistance, ignition and flame resistance as they are described in the relevant European and / or International standards as indicated below.

Standard / technical rules	CSA Z94.3 - 15
Test report	1256-ECS-19 / 1407-ECS-19
Materials and specifications	Welding shell: Polyamide Face-shields / visors: Polycarbonate Impact rated eye- and face-protector

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Company:

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Annex to the CSA Certificate of Compliance dated from 12/12/19:

The following products / STAWAR SG variants are included in this certificate:

Model name / variant	Measurement report	Add Specifications
STAWAR welding shell	12564-ECS-19, 14072-ECS-19	-
SG.PC-Clear	12561-ECS-19	Clear visor, no filtering action
SG.PC-SN.2	12562-ECS-19	Green tinted welding filter, shade 2
SG.PC-SN.3	12563-ECS-19	Green tinted welding filter, shade 3
SG.PC-SN.5	14071-ECS-19	Green tinted welding filter, shade 5

Certificate of Compliance

Herewith, ECS certifies that the product(s)

STAWAR SW

being a helmet for welding and grinding

to be assembled with different tinted face-shields / visors

supplied by the company

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No. 318, Wuyi Road

Economic Development Zone

CHANGZHOU

JIANGSU

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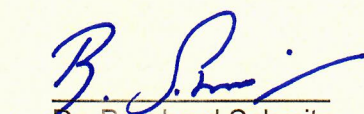
comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, impact resistance, ignition and flame resistance as they are described in the relevant European and / or International standards as indicated below.

Standard / technical rules	ANSI / ISEA Z87.1 - 2015
Test report	1256-ECS-19, 1407-ECS-19
Materials and specifications	Welding shell: Polyamide Face-shields / visors: Polycarbonate Impact rated eye- and face-protector
Marking	CSS WX Z87+ see schedule for the different SW-variants

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Annex to the CSAI Certificate of Compliance dated from 12/12/19:

The following products / STAWAR SW variants are included in this certificate:

Model name / variant	Measurement report	Add Specifications	Marking
STAWAR welding shell	12564-ECS-19, 14072-ECS-19, 14075-ECS-19	-	CSS Z87+
flip visor: SW.PC-SN.5 base visor: SG.PC-SN.3	12563-ECS-19, 14073-ECS-19	Green tinted welding filters, base part shade 3 flip part shade 5	Base part: CSS W3 Z87+ Flip part: CSS W5 Z87+
flip visor: SW.PC-SN.8 base visor: SG.PC-SN.2	12562-ECS-19, 14074-ECS-19	Green tinted welding filters, base part shade 2 flip part shade 8	Base part: CSS W2 Z87+ Flip part: CSS W8 Z87+

Certificate of Compliance

Herewith, ECS certifies that the product(s)

STAWAR SW
being a helmet for welding and grinding
to be assembled with different tinted face-shields / visors

supplied by the company

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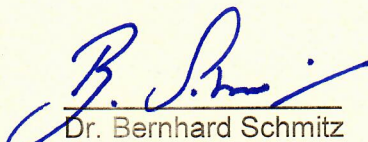
comply with the essential requirements for health and safety. The product meets the requirements for optical and physical properties, impact resistance, ignition and flame resistance as they are described in the relevant European and / or International standards as indicated below.

Standard / technical rules	CSA Z94.3 - 15
Test report	1256-ECS-19 / 1407-ECS-19
Materials and specifications	Welding shell: Polyamide Face-shields / visors: Polycarbonate Impact rated eye- and face-protector

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CERTIFICATION SCHEDULE

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Changzhou Shine Science & Technology Co., Ltd., CHANGZHOU, P.R.CHINA 213025

Annex to the CSA Certificate of Compliance dated from 12/12/19:

The following products / STAWAR SW variants are included in this certificate:

Model name / variant	Measurement report	Add Specifications
STAWAR welding shell	12564-ECS-19, 14072-ECS-19, 14075-ECS-19	-
flip visor: SW.PC-SN.5 base visor: SG.PC-SN.3	12563-ECS-19, 14073-ECS-19	Green tinted welding filters, base part shade 3 flip part shade 5
flip visor: SW.PC-SN.8 base visor: SG.PC-SN.2	12562-ECS-19, 14074-ECS-19	Green tinted welding filters, base part shade 2 flip part shade 8