

TEST REPORT

REPORT NO. TH10163/2009
PAGE NO. 1 OF 4
DATE: Mar. 10, 2009

CHANG-HUNG INDUSTRIAL MANUFACTURING FACTORY (JIANGYIN) LLC.

INDUSTRIAL PARK, NO.16 HUANNAN ROAD, HUANGTANG
XIAKE TOWN, JIANGYIN CITY, JIANGSU CHINA

The following merchandise was submitted and identified by the applicant as:

Product Description: SAFETY GLASSES
Style/Item No.: CPG07
Manufacturer/Vendor: CHANG-HUNG Industrial Manufacturing Factory LLC.
Country of Origin: China
Sample Received Date: Jan. 13, 2009
Test Period: Jan. 14, 2009 ~ Mar. 09, 2009

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: For compliance with Clause 7.4.2.1.1, 7.4.2.1.2 and 7.4.2.1.3 of ANSI Z 87.1-2003 Occupational and Educational Personal Eye and Face Protection Devices.


Test Methods: According to test procedures of ANSI Z 87.1-2003 Occupational and Educational Personal Eye and Face Protection Devices.

Test Results: (PLEASE SEE ATTACHED SHEETS)

Conclusion: In our opinion, the submitted samples comply with Clause 7.4.2.1.1, 7.4.2.1.2 and 7.4.2.1.3 of ANSI Z 87.1-2003 Occupational and Educational Personal Eye and Face Protection Devices.

--- See Next Page ---

Signed for and on behalf of
SGS Taiwan Ltd.


Rex Su
Asst. Supervisor

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Test Results:

Clause

Results

7.4.2.1.1 High Mass Impact

Pass

High impact spectacles shall be capable of resisting an impact from a pointed projectile weighing 500 g (17.6 oz) dropped from a height of 127 cm (50.0 in). The spectacles shall be tested in accordance with section 14.1. No piece shall be detached from the inner surface of any spectacle component and the lens shall be retained in the frame. In addition, the lens shall not fracture.

7.4.2.1.2 High Velocity Impact

Pass

High impact spectacles shall be capable of resisting impact from a 6.35 mm (0.25 in) diameter steel ball traveling at a velocity of 45.7 m/s (150 ft/s). The spectacles shall be tested in accordance with section 14.2. No contact with the eye of the headform is permitted as a result of impact. No piece shall be detached from the inner surface of any spectacle component and the lens shall be retained in the frame. In addition, the lens shall not fracture.

Note. Please see Annex 1.

7.4.2.1.3 Penetration Test (For Plastic lenses only)

Pass

High impact plano spectacle lenses shall be capable of resisting penetration from a weighted projectile weighing 44.2 gm (1.56 oz) dropped from a height of 127 cm (50.0 in) when tested in accordance with section 14.5. The lens shall not fracture or be pierced through as a result of this test. No piece shall be detached from the inner surface of any spectacle component and the lens shall be retained in the frame.

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Annex 1:

Clause 7.4.2.1.2 High Velocity Impact

Left Lens	Impact Position	Results	Right Lens	Impact Position	Results
Determination	250 FPS		Determination	250 FPS	
1	15° Nasal	Pass	1	15° Nasal	Pass
2	0°	Pass	2	0°	Pass
3	15°	Pass	3	15°	Pass
4	30°	Pass	4	30°	Pass
5	45°	Pass	5	45°	Pass
6	60°	Pass	6	60°	Pass
7	75°	Pass	7	75°	Pass
8	90°	Pass	8	90°	Pass
9	90° 10mm Above	Pass	9	90° 10mm Above	Pass
10	90° 10mm Below	Pass	10	90° 10mm Below	Pass

Note. The test item was subcontracted to other SGS Laboratory.

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Picture page

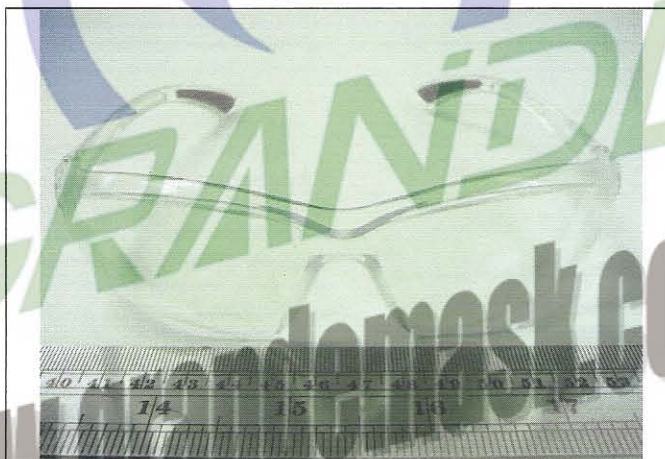


Photo "A" Appearance of sample

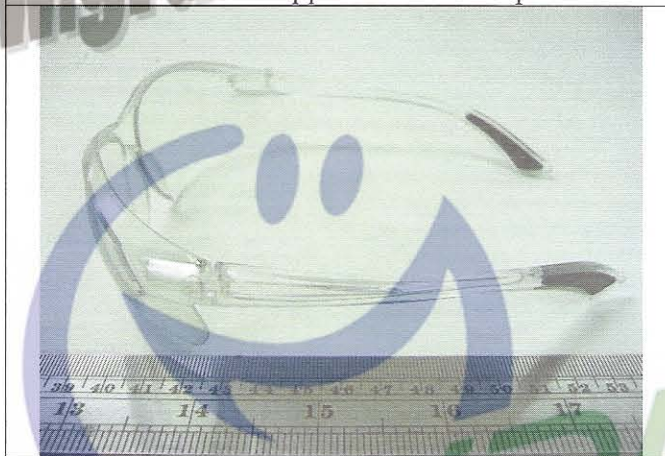


Photo "B" Appearance of sample

--- End of Report ---

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EC TYPE EXAMINATION CERTIFICATE

SAI Global Assurance Services Limited (“SAI Global”) (Notified Body No: **NB2056**) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below and on the appendixes included with the certificate.

Certificate holder: **Jiangyin Chang-hung Industrial Manufacturing Factory LLC,
Industry Park, No.16 Huannan Road,
Huangtang, Xiake Town, Jiangyin City, China**

Product Description: **Personal Eye Protectors (Category II)**

Examined for compliance with: **Directive PPE 89/686/EEC - (Article 10)**

Relevant Standard(s)/Technical Specification.

**EN 166:2001 Personal Eye Protection, EN170:2002 Personal Eye-protection -
Ultraviolet Filters - Transmittance Requirements and Recommended Use, EN
172:1994 Personal eye-protections - Sunglare filters for industrial use + A2:2001**

Original certification date: **20th September 2011**

Date of issue: **6th December 2016**

Expiry date: **19th September 2021**

Certificate No: **CEPPE20045**

Nicole Grantham

General Manager SAI Global Certification Services

Authorized Signatory

This certificate remains the property of SAI Global and has been issued in accordance with the CE Scheme Conditions and Procedures of the SAI Global Assurance Services Ltd. Partis House, Ground Floor, Davy Avenue, Knowlhill. Milton Keynes, MK5 8HJ. United Kingdom.
Notified Body: 2056

THIS CERTIFICATE DOES NOT ENTITLE THE HOLDER TO USE ANY OF THE CERTIFICATION TRADEMARKS ISSUED BY SAI GLOBAL LIMITED OR OTHERWISE.



APPENDIX 1

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No: NB2056) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below.

Product Description: **Personal Eye Protectors – safety glasses (Category II)**

Model	Description
CPG 09	Safety Eyewear - Clear Polycarbonate Lens '1F', Ultraviolet, (2-1.2 or 2C-1.2), Nylon Temple & Frame Clips and TPR Nose Piece
CPG 09	Safety Eyewear - Yellow Polycarbonate Lens '1F', Ultraviolet, (2- 1.2 or 2C-1.2), Nylon Temple & Frame Clips and TPR Nose Piece
CPG 09	Safety Eyewear - Smoke Polycarbonate Lens '1F', Sunglare, (5- 3.1), Nylon Temple & Frame Clips and TPR Nose Piece

Examined for compliance with: **Directive PPE 89/686/EEC (Article 10)**

Relevant Standard(s)/Technical Specification: **EN 166:2001 Personal Eye Protection**

Technical file Reference No: **CEPPE20045 – CR12067**

Original date of issue: **20th September 2011**

Date of issue: **6th December 2016**

Certificate No: **CEPPE20045A1**

Nicole Grantham
General Manager SAI Global Certification Services
Authorized Signatory

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APPENDIX 2

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No: NB2056) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below.

Product Description: **Personal Eye Protectors – safety glasses (Category II)**

Model	Description
CPG 07	Safety Eyewear - Clear Polycarbonate Lens '1F', Ultraviolet, (2-1.2 or 2C-1.2), Polycarbonate Temple & Frame and TPR Tip pads.

Examined for compliance with: **Directive PPE 89/686/EEC (Article 10)**

Relevant Standard(s)/Technical Specification: **EN 166:2001 Personal Eye Protection**

Technical file Reference No: **CEPPE20045A2 – CR12741**

Original date of issue: **19th January 2012**

Date of issue: **6th December 2016**

Certificate No: **CEPPE20045A2**

Nicole Grantham
General Manager SAI Global Certification Services
Authorized Signatory

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APPENDIX 3

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No: NB2056) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below.

Product Description: **Personal Eye Protectors – safety glasses (Category II)**

Model	Description
CPG 10	Safety Eyewear - Clear Polycarbonate Lens '1F', Ultraviolet, (2-1.2 or 2C-1.2), clip screw Polycarbonate Temple & Frame and Rubber Tip pads and nose piece.

Examined for compliance with: **Directive PPE 89/686/EEC (Article 10)**

Relevant Standard(s)/Technical Specification: **EN 166:2001 Personal Eye Protection**

Technical file Reference No: **CEPPE20045 – CR13360**

Original date of issue: **9th May 2013**

Date of issue: **6th December 2016**

Certificate No: **CEPPE20045A3**

Nicole Grantham
General Manager SAI Global Certification Services
Authorized Signatory

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APPENDIX 4

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No: NB2056) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below.

Product Description: **Personal Eye Protectors – safety glasses (Category II)**

Model	Description
CPG 10	Safety Eyewear - Clear Polycarbonate Lens '2F', Ultraviolet, (2-1.2 or 2C-1.2), Nylon Temple & Frame, TPR Nose Piece
CPG 10	Safety Eyewear - Clear Polycarbonate Lens '2F', Ultraviolet, (2-1.2 or 2C-1.2), Nylon Temple & Frame, TPR Nose Piece

Examined for compliance with: **Directive PPE 89/686/EEC (Article 10)**

Relevant Standard(s)/Technical Specification:
EN 166:2001 Personal Eye Protection

Technical file Reference No: **CEPPE20045 – CR20252**

Original date of issue: **6th October 2012**

Date of issue: **6th December 2016**

Certificate No: **CEPPE20045A4**

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General Manager SAI Global Certification Services
Authorized Signatory

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APPENDIX 5

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No: NB2056) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below.

Product Description: **Personal Eye Protectors – safety glasses (Category II)**

Model	Description
CPG 03	Safety Eyewear - Smoke Polycarbonate Lens '1FT', Sunglare, (5-3.1), Polycarbonate Frame
CPG 03	Safety Eyewear - Lite Mirror Polycarbonate Lens '1FT', Ultraviolet, (2-1.7 or 2C-1.7), Polycarbonate Frame
CPG 03	Safety Eyewear - Clear Polycarbonate Lens '1FT', Ultraviolet, (2-1.2 or 2C-1.2), Polycarbonate Frame

Examined for compliance with: **Directive PPE 89/686/EEC (Article 10)**

Relevant Standard(s)/Technical Specification: **EN 166:2001 Personal Eye Protection, EN170:2002 Personal Eye-protection - Ultraviolet Filters - Transmittance Requirements and Recommended Use, EN 172:1994 Personal eye-protections - Sunglare filters for industrial use + A2:2001**

Technical file Reference No: **CEPPE20045 – CR20631**

Original date of issue: **23rd November 2012**

Date of issue: **6th December 2016**

Certificate No: **CEPPE20045A5**

Nicole Grantham
General Manager SAI Global Certification Services
Authorized Signatory

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Notified Body: 2056

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INSPEC



EC TYPE-EXAMINATION CERTIFICATE: 2145

Product description: -

Personal Eye Protection- Spectacles & Goggles

Product identification: -

See schedule

Manufacturer: -

Jiangyin Chang-hung Industrial
Manufacturing Factory LLC
No. 16, Huannan Road, Huang Tang,
Xiake Town, Jiangyin City, Jiangsu
P.R. China.

When assessed and examined against harmonised standard EN166:2001 is found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Signed:

Date: 19th April 2017

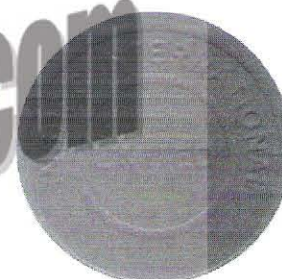
Helen Taft, Manager, Certification Services

For and on behalf of INSPEC International Ltd.
56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ
England (Notified Body No: 0194)

Certification remains valid until 3rd July 2019, providing compliance with INSPEC's terms and conditions is maintained.

Original date of issue: 17th January 2011

For terms and conditions of issue, see page 2



Terms and Conditions

Reference Documents: -

- i) Test Reports - INSPEC 1.10.12.79, 1.11.01.11
1.11.01.12, 1.11.06.36, 1.11.06.37
1.11.06.38, 1.11.06.39, 1.12.03.25,
1.12.03.26, 1.14.06.65 & 1.14.10.33
revision 2, and refer certificate
schedule page.
- ii) Technical File - TF/ 2145
- iii) Test and Inspection Plan - Dated 2011/1/12, 2011/2/18, 2012/4/12,
2014/6/24 & 2016/03/14

Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
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<http://inspec-international.com/ToB.pdf>

If you have difficulty accessing the Terms of Business, you may contact us for a copy.

CERTIFICATION INDEX

Item	Status	Issued	Amendment
Pages 1-4	Withdrawn	110117	Initial issue
Pages 1-4	Withdrawn	110327	Add models CPG02, CPG50 and CPG50V
Pages 1-4	Withdrawn	110714	Add models CPG02-Y and CPG06
Pages 1-4	Withdrawn	120529	Add models CPG04 and CPG80 Terms and conditions added
Pages 1-4	Withdrawn	140703	Add claim of resistance to fogging of ocular: model CPG80 Addition of 5 year validity
Pages 1-4	Withdrawn	141202	Add models CPG61 and CPG61V
Pages 1-5	Withdrawn	160324	Add models CPG16 and CPG16-I/O Add test and inspection plan, 2016/03/14
Pages 1-5	Withdrawn	160418	Add models CPG15, CPG15-g, CPG15-y, CPG15-I/O, CPG14, CPG14-y, CPG14-g
Pages 1-5	Valid	170419	Removal of EU representative Add model CPG01, CPG03, CPG03-AF, CPG03-y-AF, CPG03-g-AF, CPG11, CPG11-y, CPG11-g

CERTIFICATION SCHEDULE

Safety Spectacles

Model	Lens	Performance	Scale number
CPG05	Clear	1 F	--
CPG02	Clear	1 F	--
CPG02-Y	Yellow	1 F	2C-1.2
CPG06	Clear	1 F	--
CPG04	Clear	1 F	--

Safety Goggles

Model	Lens	Performance	Options Claimed	Scale number
CPG50	Clear	1 B	--	--
CPG50V	Clear	1 B	--	--
CPG80	Clear	1 B	N	--
CPG61	Clear	1 B	N	--
CPG61V	Clear	1 B	N	--

Performance:

1 = optical class one

F = high speed particles, low energy impact

B = high speed particles, medium energy impact

N = Resistance to fogging of oculars

CERTIFICATION SCHEDULE

Safety Spectacles

Model	Lens Material/ transmittance	Optical Class	Report ref	Options
CPG16	Polycarbonate Clear lens, 2C-1.2	1	1.16.02.12	F N
CPG16-I/O	Polycarbonate I/O lens, 5-1.7	1	1.16.02.12	F
CPG15	Polycarbonate Clear lens, 2C-1.2	1	1.16.03.37	FT N
CPG15-g	Polycarbonate Smoke lens, 5-3.1	1	1.16.03.37	FT N
CPG15-y	Polycarbonate Yellow lens, 2C-1.2	1	1.16.03.37	FT N
CPG15-I/O	Polycarbonate Flash Silver mirror lens, 5-3.1	1	1.16.03.37	FT
CPG14	Polycarbonate Clear lens, 2C-1.2	1	1.16.01.53	F N
CPG14-g	Polycarbonate Smoke lens, 5-3.1	1	1.16.01.53	F N
CPG14-y	Polycarbonate Yellow lens, 2C-1.2	1	1.16.01.53	F N
CPG01	Polycarbonate Clear lens, 2C-1.2	1	1.17.01.31	F
CPG03	Polycarbonate Clear lens, 2C-1.2	1	1.17.01.32	F
CPG03-AF	Polycarbonate Clear lens, 2C-1.2	1	1.17.01.32	F N
CPG03-y-AF	Polycarbonate Yellow lens, 2C-1.2	1	1.17.01.32	F N
CPG03-g-AF	Polycarbonate Smoke lens, 5-3.1	1	1.17.01.32	F N
CPG11	Polycarbonate Clear lens, 2C-1.2	1	1.17.01.33	F N
CPG11-y	Polycarbonate Yellow lens, 2C-1.2	1	1.17.01.33	F N
CPG11-g	Polycarbonate Smoke lens, 5-3.1	1	1.17.01.33	F N

Performance:

1 = optical class one

F = high speed particles, low energy impact

FT= high speed particles, low energy impact at extreme temperature

N = Resistance to fogging of oculars