

## TEST REPORT

Hardline Laboratory

Report No. : YA30062/2024

Page : 1 of 7

Date : MAR. 22, 2024

### CORTINA NV

Meersbloem-Melden 42, 9700 Oudenaarde, Belgium

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

Product Description: Personal Eye Protection-Goggles

Style/Item No: SAREK

Additional Information: Brand Name: Safety Jogger

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

Test Requested: ANSI/ISEA Z87.1-2020 American National Standard for Occupational and Educational Personal Eye and Face Protection Devices

Optional Requirements: 7.1 Impact Protector Requirements (+)  
7.2 Optical Radiation Protector Requirements Table 8 (U6)


Test Method & Result: --- See following sheet(s) ---

Date of Receipt: MAR. 13, 2024

Testing Period: MAR. 13, ~ 22, 2024

Testing site:  
7F., No. 6, Central 4th Road, Qianzhen Dist., Kaohsiung City, Taiwan

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Justin Yang  
Asst. Supervisor



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## TEST REPORT

Hardline Laboratory

Report No. : YA30062/2024

Page : 2 of 7

### Test Method & Result

**ANSI/ISEA Z87.1-2020 American National Standard for Occupational and Educational Personal Eye and Face Protection Devices**

### Section

5. General Requirements

5.1 Optical Requirements

5.1.1 Optical Quality

Result

Pass

5.1.2 Luminous Transmittance

Pass

### **Finding**

Lens Type	Luminous Transmittance Requirement	Test Value (%)	
		Left Ocular	Right Ocular
Clear Lenses	85% min.	91.97	92.02

5.1.3 Haze

Pass

### **Finding**

Lens Type	Haze Requirement	Test Value (%)	
		Left Ocular	Right Ocular
Clear Lenses	3% max. – Clear Lenses Only	2.5	2.2

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## TEST REPORT

Hardline Laboratory

Report No. : YA30062/2024

Page : 3 of 7

### Test Result

#### Section

5.1.4 Refractive Power, Astigmatism, Resolving Power, Prism and Prism Imbalance for Plano Protectors

Result

Pass

### Finding

Test/Property	Requirement	Test Value	
		Left Ocular	Right Ocular
Refractive Power	See Table 1	-0.03	-0.03
Astigmatism		0.00	0.00
Resolving Power		Pattern 20	Pattern 20
Prism	See Table 2	< 0.25 Δ	< 0.25 Δ
Vertical Prism Imbalance		0.00 Δ	
Horizontal Prism Imbalance		0.20 Δ (Base Out)	

**Table 1.** Tolerance on Refractive Power, Astigmatism and Resolving Power - Standard Optics

Protector	Refractive Power	Astigmatism	Resolving Power
Spectacle, Reader	±0.06 D	≤ 0.06 D	Pattern 20
Goggle, Full-facepiece respirator	±0.06 D	≤ 0.06 D	Pattern 20
Faceshield windows, Loose-fitting respirator	No requirement	No requirement	Pattern 20
Welding helmet lenses	±0.06 D	≤ 0.06 D	Pattern 20

**Table 2.** Tolerance on Prism and Prism Imbalance

Protector	Prism	Vertical Imbalance	Base In Imbalance	Base Out Imbalance
Spectacle, Reader	≤ 0.50 Δ	≤ 0.25 Δ	≤ 0.25 Δ	≤ 0.50 Δ
Goggle, Full-facepiece respirator	≤ 0.25 Δ	≤ 0.125 Δ	≤ 0.125 Δ	≤ 0.50 Δ
Faceshield windows, Loose-fitting respirator	≤ 0.37 Δ	≤ 0.37 Δ	≤ 0.125 Δ	≤ 0.75 Δ
Welding helmet lenses	≤ 0.50 Δ	≤ 0.25 Δ	≤ 0.25 Δ	≤ 0.75 Δ

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## TEST REPORT

Hardline Laboratory

Report No. : YA30062/2024

Page : 4 of 7

### Test Result

#### Section

5.1.5 Refractive Power, Astigmatism, Prism and Prism Imbalance for Prescription Protectors and Magnifiers Result  
N/A

5.2 Physical Requirements Pass

5.2.1 Drop Ball Impact Resistance N/A

**Note:** Protectors first tested to and meeting the requirements of Section 7.1.4 are exempt from drop ball impact testing.

5.2.2 Ignition Pass

5.2.3 Corrosion Resistance of Metal Components N/A

5.2.4 Minimum Coverage Area Pass

5.3 Markings See Finding

Protector markings shall be placed in relatable proximity to each other on the product in the sequence specified below:

- Manufacturer's marks or logos
- Designation of standard (Z87 or Z87-2, for prescription devices)
- Coverage
- Optical level
- Optional Hazard-Specific Marks, as applicable:
  - Impact-rated marking (+)
  - Optical radiation marking
  - droplet and splash marking
  - dust marking
  - fine dust marking
- Optional Design Marks, as applicable:
  - Anti-fog treatment

### **Finding**

	Manufacturer's marks or logo	Standard	Impact Mark	Relaxed Optical Level	Lens Type	Use
<b>Lens</b>	SJ	Z87	+	No Claim	U6	No Claim
<b>Frame</b>	No Claim					

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

# TEST REPORT

Hardline Laboratory

Report No. : YA30062/2024

Page : 5 of 7

## Test Result

### Section

5.4 Other Requirements

5.4.1 Vented Goggles

5.4.1.1 Direct Ventilation

Result

Pass

7 Optional Hazard-Specific Protector Requirements

7.1 Impact Protector Requirements

7.1.2 Frames and Shells

Pass

7.1.3 Lateral (Side) Coverage

Pass

7.1.4 Impact Requirements

7.1.4.1 Protector Acceptance Criteria

7.1.4.2 High Mass Impact

Pass

### Finding

Determined	Remark
4 out of 4 Passed	The complete devices met the protector acceptance criteria listed in Section 9.11 after testing.

7.1.4.3 High Velocity Impact

Pass

### Finding

Determined	Remark
6 out of 6 Passed	The complete devices met the protector acceptance criteria listed in Section 9.12 after testing.

**Note.** 1. Impact ball: 6.00 mm (0.24 in.) diameter steel ball

2. Impact speed: Spectacles: 84.7 m/s.

7.1.4.4 Penetration Test (lenses only)

Pass

### Finding

Determined	Remark
4 out of 4 Passed	The complete devices met the protector acceptance criteria listed in Section 9.13 after testing.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## TEST REPORT

Hardline Laboratory

Report No. : YA30062/2024

Page : 6 of 7

### Test Result

#### Section

7.2 Optical Radiation Protector Requirements

7.2.2.1 Filter Lenses

7.2.1.1.1 Transmission Requirements

Result

See Finding

### Finding

U6

Transmittance requirements for Ultraviolet Filter Lenses			Test Value (%)	
Scale	Transmittance Requirements (%)		Left Ocular	Right Ocular
U6	Maximum Effective Far-Ultra-Violet Average Transmittance %	0.01	0.000	0.000
	Maximum Near Ultra-Violet Average Transmittance %	0.1	0.00	0.00

7.2.2 Transmittance of Non-Lens Components

Pass

### Finding

Transmittance requirements for Ultraviolet Filter Lenses			Test Value (%)	
Scale	Transmittance Requirements (%)			
U6	Maximum Effective Far-Ultra-Violet Average Transmittance %	0.01	0.000	
	Maximum Near Ultra-Violet Average Transmittance %	0.1	0.00	

### Remark:

1. The samples are complete devices claimed by applicant.
2. Samples were provided by applicant and samples were randomly selected to be assessed.
3. N/A = Not Applicable
4. Only applicable sections were shown.
5. The content of this report is invalid if it is not presented as the entire report.
6. The decision rule of the statements of conformity is following the ILAC G8:09/2019 by using the simple acceptance decision rule.

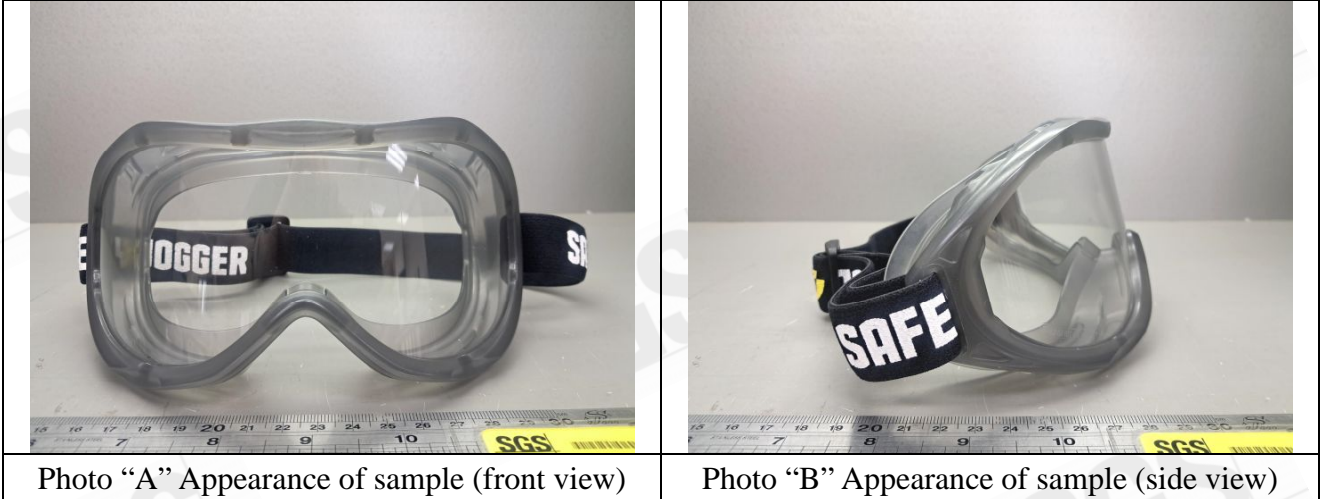


## TEST REPORT

Report No. : YA30062/2024

Page : 7 of 7

– Picture(s) –



--- End of Report ---

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.