

## EU TYPE-EXAMINATION CERTIFICATE

This is to certify that INSPEC International B.V., Notified Body 2849, has evaluated the Personal Protective Equipment type(s) in respect of the product detailed on this certificate and deemed it(them) to be in compliance with Annex V (Module B) of the Personal Protective Equipment Regulation (EU) 2016/425 and the applicable Essential Health & Safety Requirements.

Manufacturer: **Carl Zeiss Vision AB**  
Boplatsgatan 6  
213 76 Malmö  
Sweden

Compliance with the applicable Essential Health & Safety Requirements has been demonstrated as above, including examination in accordance with the harmonised standard below:

**EN 166:2001**

Product description: Personal eye-protection – Spectacles;

Date of initial certification: 18 December 2019  
Date of current issue: 20 December 2024  
Period of validity: 18 December 2024 - 18 December 2029

  
Certificate Signatory

## Product details

**Model identification:** This certification covers prescription eye protection fitted with lenses by Carl Zeiss Vision AB. The frames permitted under this certification include those produced by Carl Zeiss Vision AB, but also frames produced by Honeywell Safety Products and Bollé Safety Europe. In all cases, the frames are glazed under the authority of Carl Zeiss Vision AB. Details are provided below.

It is the responsibility of Carl Zeiss Vision AB to inform INSPEC of any changes to the certification of the frames by Honeywell and Bollé that may affect this certification.

**Technical file reference:** TF19161784

**Test reports:** 95.02.27, 05.08.68, 1.10.01.60, 1.10.01.61, 1.14.03.07, 1.15.07.40, 1.15.08.68, 1.16.02.05, Notification 160324, 1.17.03.90, 1.17.03.91r1, 1.17.12.01, 1.17.12.04, 1.19.04.35, 1.19.05.31, 1.22.04.20 revision 1, 1.22.04.21 revision 2, Notification 220425, 1.22.07.30, 1.22.07.31, 1.22.10.31, 1.23.10.44, 1.24.07.39, 1.24.07.46 and 1.24.11.41

**Category:** II (two)

**Optical Class:** 1 (only relevant to Plano lenses)

**Performance levels:** Impact performance is specified below.

**Accessories:** None

**Key:**

S	Increased robustness
F	Protection against high speed particles, low energy
-	No claim, class or performance

## Lens Details Section – Clear Non-filtering

Material	Prescription Range – dioptres (max)	Impact grade
1.6 high index MR8	Single vision -9(6) +8(6)	S
	Varifocal -9(6) +8(6) max add. 3.5	
1.6 chemically toughened mineral glass	Single vision -4(6) +8(6)	S
	Varifocal -4(4) +6(4) max add. 3.5	
CR39 1.5	Single vision -10.75(6) +8(6)	S
	Bifocal -10(6) +6(6) max add. 3.5	
	Varifocal -10(6) +6(6) max add. 3.5	
Organic 1.67 (MR7)	Single vision -12(6) +10(6)	S
	Varifocal -12(6) +8(6) max add. 3.5	
Trivex 1.53	Single vision -11(6) +7.5(6)	F
	Bifocal -9(4) +7(4) max add. 3.5	
	Varifocal -9(3.5) +5(3.5) max add. 3.5	
Polycarbonate 1.59	Single vision -10(6) +8(6)	F
	Bifocal -12(6) +6(6) max add. 3.5	
	Varifocal -9(6) +6(6) max add. 3.5	

Material	Min. Centre	Min. Edge	Impact grade
1.6 high index MR8	1.2 mm	1.2mm	S
1.6 chemically toughened mineral glass	1.8 mm	1.4 mm	S
CR39 1.5	1.8 mm	1.4 mm	S
Organic 1.67 (MR7)	1.2 mm	1.2 mm	S
Trivex 1.53	1.4 mm	1.4 mm	F
Polycarbonate 1.59	1.4 mm	1.4 mm	F

<b>Lens coatings:</b>	HA, ET, Super ET, LotuTec, DuraVision® Platinum, HMC+, SC, HC
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NOTE: Not all prescription options are available for all frame types. The manufacturer controls the permitted combinations to ensure compliance with the claimed impact performance

## Lens Details Section – Photochromic (EN172)

Alternative photochromic solution colorshifting on the following lenses is integrated in the surface of the lenses.

Material	Prescription Range – dioptres (max)	Lens coating	Photochromic solution	Scale number	Impact grade
CR39 1.5	Single vision -10.75(6) +8(6)	HC	Brown	5-1.1<2	S
	Bifocal -10(6) +6(6) max add. 3.5		Grey	5-1.1<2.5	
		Varifocal -10(6) +6(6) max add. 3.5	HMC+	Brown	
				Grey	
Polycarbonate 1.59	Single vision -10(6) +8(6)	HC	Brown	5-1.1<2	F
	Bifocal -12(6) +6(6) max add. 3.5		Grey	5-1.1<2.5	
		Varifocal -9(6) +6(6) max add. 3.5	HMC+	Brown	
				Grey	

Material	Min. Centre	Min. Edge	Impact grade
CR39 1.5	1.8 mm	1.4 mm	S
Polycarbonate 1.59	1.4 mm	1.4 mm	F

<b>Lens coatings:</b>	HC, HMC+
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## Lens Details Section – Tint (EN172)

Material	Prescription Range – dioptries (max)	Lens coating	Tint solution	Scale number	Impact grade
1.6 high index MR8	Single vision -9(6) +8(6)	HMC+	Brown	5-1.4 5-2 5-2.5	S
	Varifocal -9(6) +8(6) max add. 3.5		Grey	5-3.1 5-4.1	
CR39 1.5	Single vision -10.75(6) +8(6)	HMC+	Grey	5-3.1 5-4.1	S
	Bifocal -10(6) +6(6) max add. 3.5				
	Varifocal -10(6) +6(6) max add. 3.5				

Material	Min. Centre	Min. Edge	Impact grade
1.6 high index MR8	1.2 mm	1.2mm	S
CR39 1.5	1.8 mm	1.4 mm	S

<b>Lens coatings:</b>	HMC+
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**Frames by: Honeywell Safety Products**

Frame	Size	Maximum Impact*	Options	Lens Details Note**
FC705	50x19	F	-	All materials
	52x19	F	-	
FC707	50x21	F	-	
	52x21	F	-	
Horizon	52x16	F	-	
	54x16	F	-	
Horizon, vented	52x16	F	-	
	54x16	F	-	
SW06E	57x16	F	-	
SW07	60x13	F	-	
SW12 (base 6)	62x15	F	-	
EXT10	53x18	S	-	
	55x18	S	-	

\*The maximum impact performance for the assembled eye protector will be S or F (see Key, Page 2). This is governed by the lowest impact performance indicated by the marking of the frame or fitted lens.

\*\*The Lens materials are further described in the Lens Details Section of this certificate.

**Frames by: Bolle Safety Europe**

Frame	Size	Maximum Impact*	Options	Lens Details Note**
B707S	51x18	F	-	All materials
B707L	53x18	F	-	All materials
B708S	52x18	F	-	All materials
B708L	54x18	F	-	All materials
B709S	51x20	F	-	All materials
B709L	53x20	F	-	All materials
B805	50x18	F	-	All materials
Premium	60x14	F	-	All materials
B808BS II	49x18	F	-	All materials
B808RS II	49x18	F	-	All materials
B808BL II	54x17	F	-	All materials
B808RL II	54x17	F	-	All materials
Slide	57x21	F	-	All materials
BOSSN	55x21	F	-	All materials
Twister	56x26	F	3	Polycarbonate only
MACN (Macro)	54x18	F	-	CR39 1.5 Polycarbonate 1.59
BAXN (Baxter)	63x18	F	-	Polycarbonate only
Spicy	53x19	F	-	CR39 1.5 Polycarbonate 1.59
B713S	52x17	F	-	CR39 1.5 Polycarbonate 1.59
B713L	54x17	F	-	CR39 1.5 Polycarbonate 1.59
KURT	57x16	F	-	CR39 1.5 Polycarbonate 1.59

**Options Key:**

3 = Protection against liquid droplets.

\*The maximum impact performance for the assembled eye protector will be S or F (see Key, Page 2). This is governed by the lowest impact performance indicated by the marking of the frame or fitted lens

\*\*The Lens materials are further described in the Lens Details Section of this certificate.

**Frames by: Carl Zeiss Vision AB**

Frame	Size	Maximum Impact*	Options	Lens Details Note**
Diamant	48x18	F	-	All materials, excluding 1.6 chemically toughened mineral glass.  These frames are NOT certified with bifocal lenses.
	50x20	F	-	
	52x20	F	-	
	54x22	F	-	
Q2	48x18	F	-	
	48x20	F	-	
	50x18	F	-	
	50x20	F	-	
	50x22	F	-	
	52x20	F	-	
	52x22	F	-	
Q200	48x18	F	-	
	50x18	F	-	
	50x20	F	-	
	52x20	F	-	
	54x22	F	-	
HS666	57x17	F	-	
HS999	60x13	F	-	

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Claimed compliance with other Directives, Regulations, other standards or technical specifications not specifically mentioned in this certificate is the responsibility of the manufacturer and not covered by this type examination.

## Certificate amendment record

Date	Description
18/12/2019	Initial issue
10/07/2020	Addition of Bolle frames MACN, BAXN, Spicy, B713, and Honeywell frame EXT10.
14/10/2022	Addition of Brown and Grey photochromic solution on certified lenses CR39, PC 1.59 with HC and HMC+ coatings. Addition of reports 1.22.04.20 Revision 1, 1.22.04.21 Revision 2 and Notification 220425.
05/10/2023	Addition of Brown photochromic solution on certified lenses PC 1.59 with HC coatings. Addition of Brown and Grey tinting solution on certified lenses CR39, 1.6 high index MR8 with HMC+ coatings. Addition of reports 1.22.07.30, 1.22.07.31, 1.22.10.31
27/10/2023	Addition of frame model KURT and test report 1.23.10.44.
22/04/2024	Renewed following Simplified Review. Removed technical file reference TF1993.
13/09/2024	Addition of models Q200 and HS666 and test reports 1.24.07.39 and 1.24.07.46.
20/12/2024	Addition of model HS999 and test report 1.24.11.41.

## Conditions attached to the issue of this certificate:

1. This certificate alone, if Category II (two) PPE, forms INSPEC's permission to the manufacturer to use the 'CE' conformity mark for compliant products to be placed on the European Union internal market. In this case, the manufacturer may affix the conformity mark to each PPE or on a document supplied with the PPE, and draw up a written EU declaration of conformity for each PPE model referencing this certificate as per Article 17.
2. The manufacturer / authorised representative shall undertake to fulfil the obligations arising out of the Personal Protective Equipment Regulation (EU) 2016/425, and with INSPEC's Regulations governing this Module.
3. The manufacturer / authorised representative shall inform INSPEC without delay of any planned changes to the product, technical file or manufacturer information which may affect the validity of this certificate, before any such change is made.
4. Marking and instructions have been assessed in the English language only. It is the manufacturer's / authorised representative's responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
5. For category III product, the manufacturer must obtain and maintain an approval decision to Module C2 or Module D prior to placing product on the European Union internal market.
6. This certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.
7. This certificate may be copied or reproduced by the certificate holder, complete and without omissions or additions, and in accordance with INSPEC's terms of business.
8. The manufacturer shall not use its product certification in any manner as to bring INSPEC into disrepute, nor make any statements regarding the product certification that INSPEC considers misleading or unauthorised.
9. Upon suspension, withdrawal or termination of this certificate, the manufacturer must discontinue all advertising matter that references the product certification and take action to cease production of products.