Vehicle Certification Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED (1) / ~~APPROVAL EXTENDED (1)~~/ ~~APPROVAL REFUSED (1)~~/ ~~APPROVAL WITHDRAWN (1)~~/ ~~PRODUCTION DEFINITIVELY DISCONTINUED (1)~~ OF A TYPE OF HELMET VISOR TYPE PURSUANT TO UN REGULATION NO. 22.06

E11 Approval No: E11*22R06/02*2083*00

Reason(s) for extension: Not applicable

1. Trade mark: VEGA, AXOR, VESPA, BAJAJ, SHIRO, TVS RACING, ROYAL ENFIELD, KENTON, BADASS, SHAFTPRO, ALTRAX, SHAFT, ICH, NIKKO, SH-605, MMG, SWIFT, STORMER, BROKEN HEAD, BR, KTM, UMA, XSPORTS, KONTROL, SPARTAN, ISP, BDS, BIKE IT, X-KOV, KOV, DYTONA, GENSLER, MX915, CLASSIC, TVS, APRILIA, JAWA, YEZDI, NO RISK & HERO.

2. Type: Striker Dual Visor "J"

3. Manufacturer's name: Vega Auto Accessories Pvt Ltd

4. Address:

   Plot No. 12-B Sy. No. 342
   Bemciel Industrial Estate
   Udyambag
   Belgaum – 590008
   Karnataka
   India

5. If applicable, name of manufacturer's representative: Not applicable

6. Address: Not applicable

7. Brief description of visor, and inner visor if any: Outer visor & Sunshield inside the outer visor. See manufacturer’s information documents

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8. Types of helmet to which the visor may be fitted: Striker "J" Certificate number E11*22R06/02*2082*00

9. Submitted for approval on: 30 April 2024

10. Technical service responsible for conducting approval tests: Vehicle Certification Agency

12. Number of report issued by that service: ISC629053

13. Remarks: None

14. Approval GRANTED / ~~EXTENDED / REFUSED / WITHDRAWN~~ (1)

15. Place: BRISTOL

16. Date: 12 JULY 2024

17. Signature:



C McCABE
Chief Technical and Statutory Operations Officer

18. The following documents, bearing the approval number shown above, are available on request

(1) Strike out what does not apply

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APPROVAL NUMBER: E11*22R06/02*2083*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 00

Conformity of Production (COP) Declaration	**COP Confirmed**	
Assessment Method	**VCA Audit & Control Plans**	
Date of Initial Clearance	**February**	**2016**
Date of Last Clearance	**April**	**2024**

Total number of sheets: 05 (Five)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp

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INDEX OF DOCUMENTATION

Page Description

1. GENERAL INFORMATION
2. DESCRIPTION OF THE OUTER VISOR & SUNSHIELD
3. DRAWINGS OF THE OUTER VISOR
4. DRAWINGS OF THE SUNSHIELD

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1. GENERAL INFORMATION

1.1 Make **:- VEGA**

1.2 Trade Mark: **VEGA, AXOR,VESPA,BAJAJ,SHIRO,TVS RACING,ROYAL ENFIELD, KENTON, BADASS, SHAFTPRO, ALTRAX, SHAFT, ICH, NIKKO, SH-605, MMG, SWIFT, STORMER, BROKEN HEAD, BR , KTM, UMA, XSPORTS, KONTROL, SPARTAN, ISP, BDS, BIKE IT, X-KOV, KOV, DYTONA, GENSLER, MX915,CLASSIC,TVS,APRILIA,JAWA,YEZDI, NO RISK & HERO.**

1.2. Type : **Striker Dual Visor "J"**

1.3. Variants : N/A

Versions : N/A

1.4. Name and address of manufacturer:

Vega Auto Accessories Pvt. Ltd.
Plot No. 12B, Sy No 342
Bemciel Industrial Estate
Udyambag, Belgaum – 590 008 Karnataka India

1.5. If any,- name and address of manufacturer's authorized representative :
NA

1.6. Location and method of affixing of the international approval mark:

Out of from main field of Vision, mouleded on right side top of

Outer visor

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2. DESCRIPTION OF THE OUTER VISOR

2.1. Material: **POLYCARBONATE**

2.2. Surface treatment: **SILICON HARD COAT**

2.3. Colour : **CLEAR**

2.4. Manufacture method: **INJUCTION MOULDING**

2.5. Drawing(s) of the visor: **ANNEX-A**

2.6. Type(s) of helmet which may be equipped with this visor: **Striker "J"**

2.7. Transmittance: 85 % to 92 %

2.8. Thickness: 1.8 MM

3. DESCRIPTION OF THE SUNSHIELD

3.1 Material: **POLYCARBONATE**

3.2 Surface treatment: **SILICON HARD COAT**

3.3 Colour : **SMOKE**

3.4 Manufacture method: **INJUCTION MOULDING**

3.5 Drawing(s) of the visor: **ANNEX-B**

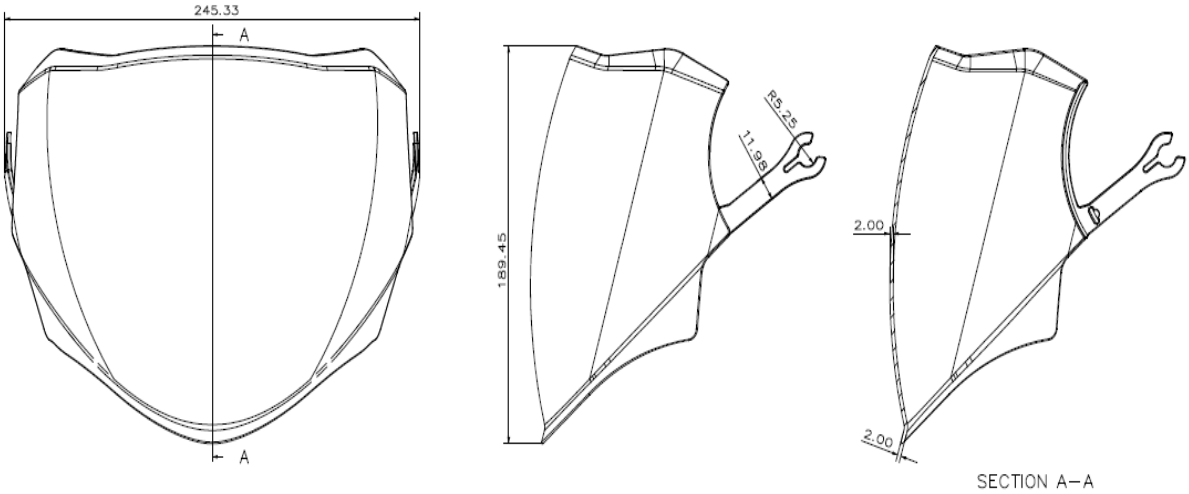
3.6 Type(s) of helmet which may be equipped with this visor: **Striker "J"**

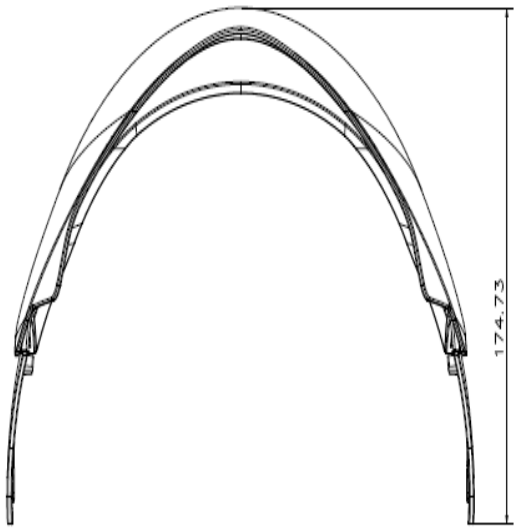
3.7 Transmittance: 20 % to 55 %

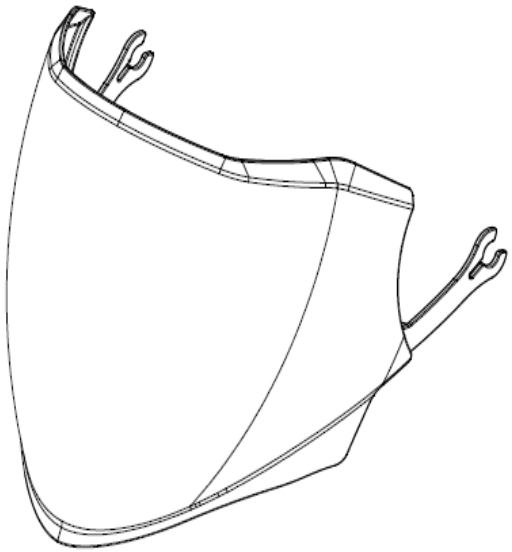
3.8 Thickness: 1.8 mm

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ANNEX-A
DRAWING OF THE OUTER VISOR

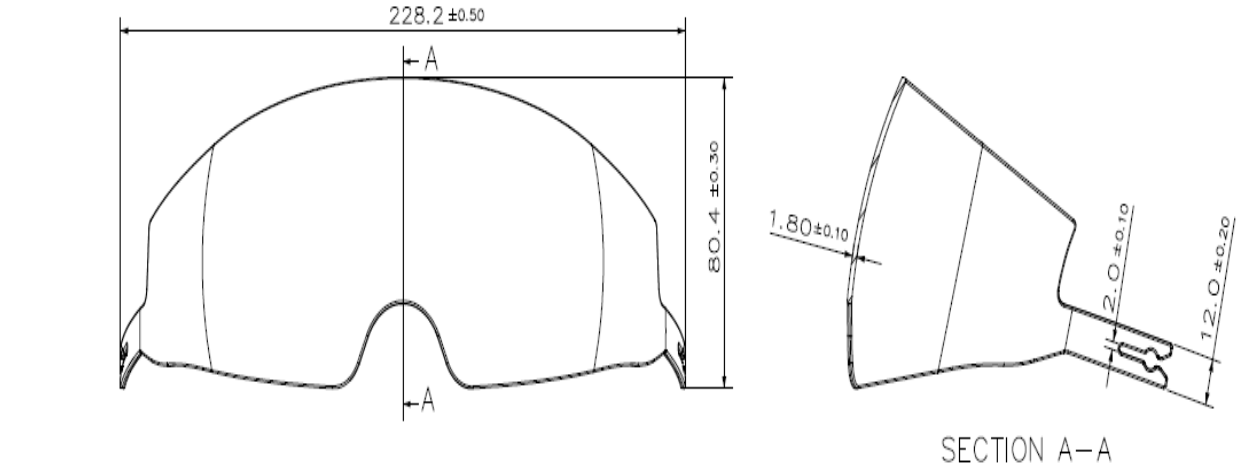


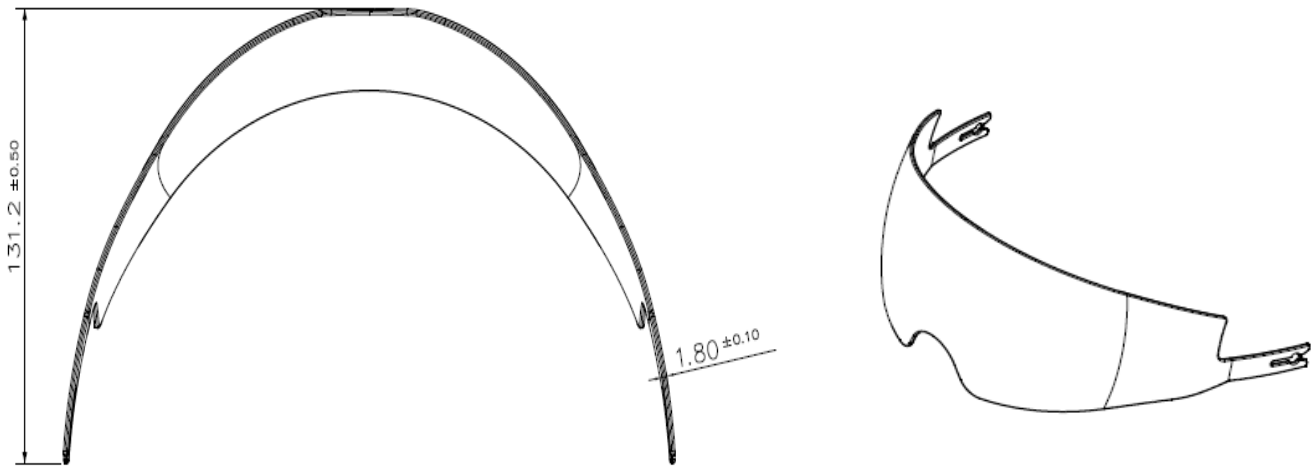




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ANNEX-B
DRAWING OF THE SUNSHIELD





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VCA, 1 Eastgate Office Centre,
Eastgate Road, Bristol, BS5 6XX, United Kingdom
enquiries@vca.gov.uk |
www.vehicle-certification-agency.gov.uk |
+44(0) 300 330 5797

Vehicle Certification Agency

Report Number: ISC629053 Issue: 0

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Inspection/Test Report: Approval of a Visor Type for Protective Helmets for Drivers and Passengers of Motorcycles and Mopeds

Legislation

UNECE Regulation 22.06 (Revision 4 Amendment 3)

Inspection/Test Details

Location of Inspection/Test:	Vega Auto Accessories Pvt. Ltd. Testing Laboratory - Belgaum
Date of Inspection/Test:	01 May 2024 to 05 May 2024
VCA Representative(s):	Swapnil S Mandekar
Inspectors Home Office Location:	VCA India
Manufacturer's Representative(s):	Sandip Kumbhar / Bhavesh Tupare
Reason for Test:	New Approval

Manufacturer Details

Name and Address:	Vega Auto Accessories Pvt. Ltd. Plot No. 12-B Sy. No. 342, Bemciel Industrial Estate Udyambag Belgaum – 590008 Karnataka India
Type:	Striker Dual Visor "J"
Commercial Description:	Outer Visor with sun shield inside the outer visor for protective helmet without lower face "J" type
Category:	Not applicable

Conclusion

The above mentioned component was tested in accordance with the above mentioned legislation and was found to comply in all respects. This report relates only to the items tested.

Witness Engineer/Test Engineer Signature:



Name:	Swapnil S Mandekar
Position:	Type Approval Engineer
Date:	08 July 2024

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VCA, 1 Eastgate Office Centre,
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List of Annexes

Annex	No of Pages	Subject
I	05	Manufacturer information document
II	07	Production qualification report (Outer Visor)
III	06	Production qualification report (Sunshield)

Issue Record

Issue 0 is original report

Worst Case Rationale

Representative Outer Visor tested for approval as submitted by manufacturer.
Outer Visor with type Striker Dual Visor "J" will be fitted on helmet type “Striker "J"
Helmet certificate number: E11*22R06/02*2082*00
Sunshield will be fitted inside the outer visor.

Note: Include information on variants and versions this report covers, as applicable. Supporting documents may be annexed to this report

Significant Interpretations, Alternative Test Methods, New Technologies

none

Inspection/Tests Required

	Yes, NA, See Report … / Approval … / Annex …
Markings:	Yes
General Specifications:	Yes
Field of vision of the visor:	Yes
Luminous transmittance:	Yes
Light diffusion:	Yes
Recognition of signal lights:	Yes
Spectral transmittance:	Yes
Refractive powers:	Yes
Mechanical characteristics:	Yes
Optical quality and scratch resistance:	Yes
Mist retardant visor (optional)	NA
Sun Shield	Yes
Photochromic visors, liquid crystal or equivalent visors	NA

List of helmets to which the visor may be fitted:	Striker "J"
Structure of visor:	As per drawing. Refer manufacturer information document.
Material of visor:	Polycarbonate. Refer manufacturer information document.

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Manufacturer's Documentation

Manufacturer's documentation is complete and reflects the agreed specification for the component tested, and covers all variants and versions agreed in the worst case rationale. Information document uploaded to job folder and identified by job number.

Yes

Facility and Equipment Checks

Facility Appraisal reference and date *(Reference and date if formal; state if ad-hoc appraisal).*

Ad-hoc appraisal has been verified and ISO 17025 accredited lab

Calibration certificates checked and valid, recorded in the following table: Yes

Equipment

Description	Make	Model	Serial number	Calibration due date*
Temp indicator/controller with sensor (low temp. conditioning)	Subzero	--	VA/TC/03	03/07/2024
Temp indicator/controller with sensor (Heat conditioning)	Thermotech	--	VA/OV/05(A)	03/12/2024
Visor/sun shield: Optical Qualities/Luminous Transmittance equipment Light diffusion for visor only	Vega	--	VA/TGP/01	05/01/2025
Visor Scratch Resistance Measurement equipment (RPM meter)	Brestronics	--	VA/ASM/01	04/12/2024
Visor/sun shield: Refractive Powers (Standard lenses)	Vega	--	VA/VTD/01, VA/VTD/02 VA/VTD/03, VA/VTD/04 VA/VTD/05, VA/VTD/06	07/01/2026
Visor/sun shield: Field of vision (Degree protractor)	Kristeel	--	VA/AP/06	27/02/2025
Visor/sun shield: Recognition of signal lights & spectral transmittance (Spectrophotometer)	GSP	--	VA/SP/01	23/11/2024
Visor/sun shield: Recognition of signal lights & spectral transmittance (Transparent glass plate)	Vega	--	VA/TGP/01	05/01/2025
Visor Mechanical characteristics punch apparatus. (Penetration)	Vega	--	ID: VA/VH/01 (3000 g) ID: VA/VP/01 (300 g)	04/12/2024
Visor Mechanical characteristics high speed particle (Digital pressure gauge)	Spac	--	VA/PG/04, VA/PG/05, VA/PG/06	29/10/2024
Visor Mechanical	Vega	--	VA/SSB/01, VA/SSB/02,	23/11/2024

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characteristics high speed particle (Spherical ball)			VA/SSB/03, VA/SSB/04, VA/SSB/05	
Visor Mechanical characteristics high speed particle (Steel ball velocity meter)	HT	--	VEGA-LAB-VM-01	18/12/2024

**Specify calibrated date + (interval) or calibration due date.*

Inspection/Test Requirements		Complies Yes / NA
Markings		
4.2.	The visors submitted for approval in conformity with paragraph 3.2. above shall bear the applicant's trade name or mark and, if appropriate, an indication of the unsuitability of the visor for use during the hours of darkness or in conditions of poor visibility.	Yes
4.3.	Marking is not placed within the main visibility area.	Yes
4.4.	The marking shall be clearly legible, resistant to wear and in readily accessible place.	Yes
General Specifications		
6.16.1.	The systems of attachment of a visor to a helmet shall be such that the visor is removable.	Yes
.	It must be possible to manoeuvre the visor out of the field of vision with a simple movement of one hand.	Yes
.	However, the latter prescription may not be required for helmets which do not provide chin protection provided that a label is attached to the helmet to the effect of warning the purchaser that the visor cannot be manoeuvred.	NA
6.16.2.	Angle opening (See Annex 9)	Yes
6.16.3.	Field of vision	
6.16.3.1.	The visor shall not comprise any part liable to impair the user's peripheral vision as defined in paragraph 6.15. when the visor is in the totally opened position.	Yes
	Furthermore, the lower edge of the visor shall not be situated in the downward field of vision of the user as defined in paragraph 6.15. when the visor is in closed position.	Yes
6.16.3.1.	The surface of the visor in the peripheral field of vision of the helmet may however include:	Yes

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6.16.3.1. (i)	The lower edge of the visor, provided that it is made of a material with at least the same transmittance as the rest of the visor.	Yes
(ii)	A device to allow the visor to be manoeuvred or locked in the closed position. (However, if this device is situated within the field of vision of the visor defined in paragraph 6.16.3.2. It shall be at the lower edge and present a maximum height (h) of 10 mm and its width (l) shall be such that the product (h x l) at the most is equal to 1.5 cm2 if bigger it must be made of a material with at least the same transmittance as the visor and it must be free of any engraving, paint or other covering feature)	Yes
(iii)	Fixings and devices to allow the visor to be manoeuvred if they are situated outside of the field of vision of the visor and if the total surface of these parts, including devices, if any, to allow the visor to be manoeuvred does not exceed 2 cm^2, possibly distributed on each side of the field of vision.	Yes
6.16.3.4.	Luminous transmittance.	
	Visors shall have a luminous transmittance $\tau_v \geq 80\%$, relative to the standard illuminant D65.	Yes
	A luminous transmittance $80\% > \tau_v \geq 35\%$, - or 20 per cent only in case of photochromic and/or liquid crystal visor - measured by the method given in paragraph 7.8.3.2.1.1., is also permissible if the visor is marked with the symbol shown in figure 2 and/or with the English words “DAYTIME USE ONLY”.	Yes

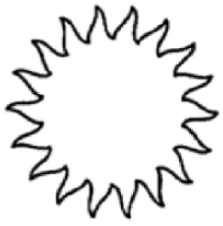


Figure 2: **Symbol "Daytime use only"**

Note: this symbol or indication must be visible and extend over at least 1 cm^2

	When describing the transmittance properties of photochromic, liquid crystal or equivalent visors, two values are to be considered: one corresponds to the faded state, the other to the darkened state. The luminous transmittance shall be measured before the abrasion test.	Yes
6.16.3.5.	Visors shall be free from any significant defects likely to impair the vision, such as bubbles, scratches, inclusions, dull spots, holes,	Yes

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	mould marks, scratches or other defects originating from the manufacturing process in the field of vision.	
	The light diffusion shall not exceed the limit in accordance with paragraph 7.8.3.2.1.2. when measured in accordance with one of the methods specified in annex 11.	Yes
	If different results arise when this is assessed, the requirements on scattered light shall be measured and assessed over an area 5 mm in diameter which includes the presumed error.	
6.16.3.6.	Visors shall in addition be sufficiently transparent, shall not cause any noticeable distortion of object as seen through the visor, shall be resistant to abrasion, resistant to impact and shall not give rise to any confusion between the colour used in road traffic sign and signals. The relative visual attenuation quotient (Q) shall not be less than:	Yes
	(Q) ≥ 0.80 for red signal lights;	Yes (Refer table 4)
	(Q) ≥ 0.60 for yellow signal light;	Yes (Refer table 4)
	(Q) ≥ 0.60 for green signal light;	Yes (Refer table 4)
	(Q) ≥ 0.60 for blue signal light.	Yes (Refer table 4)
	The relative attenuation quotient shall be measured by the method given in paragraph 7.8.3.2.1.1., before the abrasion test.	Yes
6.16.3.7	In the range 475 nm to 650 nm, the spectral transmittance, measured by the method given in paragraph 7.8.3.2.1.1., of the visor shall not be less than 0.2 τ_v.	Yes
	The spectral transmittance shall be measured before the abrasion test.	Yes
6.16.3.8	Permissible Refractive Power values for visors:	
	Spherical effect : $(D_1+D_2)/2$ = +/- 0.12 m^{-1}	Yes (Refer Table 6)
	Astigmatic effect : |D1-D2| = 0.12 m^{-1}	Yes (Refer Table 6)
	Prismatic effect difference	
	Horizontal Base Out **:** = 1.00 cm/m	Yes (Refer Table 6)
	Horizontal Base In **:** = 0.25 cm/m	Yes (Refer Table 6)
	Vertical **:** = 0.25 cm/m	Yes

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		(Refer Table 6)
	The refractive powers shall be measured according to method specified in annex 15.	Yes (Refer Table 6)
6.16.3.9	Mist Retardant Visor (Optional requirements)	
	The internal face of the visor is regarded as having a mist retardant facility if the square of the specular transmittance has not fallen below 80 per cent of the initial value without misting within 20 s when tested as described in annex 16.	NA
	Such facility may be indicated by the English words: “MIST RETARDANT”	NA
6.17	**Sun Shield**	
6.17.1.	Sun shield shall not restrain or prevent the movement of the visor. On opening the visor, the sun shield can pivot in the working position. By means of a simple movement the sun shield shall be able to be moved separately from the visor out of the visual field.	Yes
6.17.2.	Field of vision	
6.17.2.1.	Sun shield shall not restrict the field of vision given in paragraph 6.15. in the working or parking position. (If the sun shield is fixed outside of the visor, the surface may include fixings or devices to make movement possible. The total surface of the fixings or devices shall not exceed 2cm^2; they can be distributed on both sides of the field of vision.)	Yes
6.17.2.2.	Sun shield shall have a luminous transmittance $\tau_v \geq 20\%$, relative to the standard illuminant D65.	Yes
6.17.2.3.	Sun shield shall be free from any significant defects likely to impair the vision, such as bubbles, scratches, inclusions, dull spots, holes, mould marks, scratches or other defects originating from the manufacturing process in the field of vision.	Yes
6.17.2.4.	Sun shield shall not cause any noticeable distortion of object as seen through the visor, resistant to impact and shall not give rise to any confusion between the colour used in road traffic sign and signals. The relative visual attenuation quotient (Q) shall not be less than:	Yes
	(Q) ≥ 0.80 for red signal lights;	Yes (Refer Table 9)
	(Q) ≥ 0.60 for yellow signal light;	Yes (Refer Table 6)

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	(Q) ≥ 0.60 for green signal light;	Yes (Refer Table 6)
	(Q) ≥ 0.60 for blue signal light.	Yes (Refer Table 6)
	The relative attenuation quotient shall be measured by the method given in paragraph 7.8.3.2.1.1	Yes
6.17.2.5.	In the range 475 nm to 650 nm, the spectral transmittance, measured by the method given in paragraph 7.8.3.2.1.1., of the sun shield shall not be less than 0.2 τ_v.	Yes
6.17.2.6.	Permissible refractive powers at the sight points.	
	Permissible refractive power values for sun shields; measured without a combination with the visor.	Yes
	Spherical effect : (D1+D2)/2 = +/- 0.12 m-1	Yes (Refer Table 11)
	Astigmatic effect : |D1-D2| = 0.12 m-1	Yes (Refer Table 11)
	Prismatic effect difference	Yes (Refer Table 11)
	Horizontal Base Out : = 1.00 cm/m	Yes (Refer Table 11)
	Horizontal Base In : = 0.25 cm/m	Yes (Refer Table 11)
	Vertical : = 0.25 cm/m	Yes (Refer Table 11)
	The refractive powers shall be measured according to method specified in annex 15.	Yes
	The requirements for the prismatic effect apply to the difference between the values at the two sight points.	

TEST

7.8.	VISOR TESTS	
7.8.1.	Sampling and use of samples The 7 (+3 if optional test) visors are used as shown below in Tab 1	Yes
	The test for recognition of signal lights may be dispensed with in the case of visors with luminous transmittance τ_v ≥ 80 %	Yes
7.8.1.1.	Prior to any type of further conditioning for mechanical or optical test, as specified in paragraph 7.8.1., each visor shall be subject to the ultraviolet conditioning in accordance with the provision of paragraph 7.2.4.1.	Yes

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7.8.2.	Mechanical characteristics	
7.8.2.1.	The helmet, fitted with its visor and previously conditioned in accordance with the provisions of paragraph 7.2.3., shall be placed in accordance with the provisions of paragraph 7.3.1.3.1. on a test headform of suitable size.	Yes
	The test headform selected from among those shown in annex 4 shall be so placed that the basic plane is vertical.	Yes
7.8.2.2.1.	Test apparatus is as per 7.8.2.2. and 7.8.2.2.1.	Yes
7.8.2.2.2.	When the drop-hammer falls from a height of 1 + 0.005 m, measured between the top face of the punch and the lower face of the hammer it shall be ascertained that:	
7.8.2.2.3.	No sharp splinters are produced if the visor is shattered. (Any segment having an angle less than 60° shall be considered as a sharp splinter.)	Yes
7.8.2.3.	High Speed particle test	
7.8.2.3.1.	Visors tested in accordance with the method specified in Annex 17	Yes
Annex 17, 2.1.	Appropriate headform, as defined in 7.3.3.	Yes
Annex 17, 2.2.	Propulsion equipment as per Annex 17, 2.2.	Yes
Annex 17, 3.	Two samples conditioned in air at 50 °C for 2 h and two additional samples shall be conditioned in air at -10 °C for 2 h;	Yes
-	Eye-protector to be tested placed on the headform in the position corresponding to normal use and with the tension of the headband, if fitted, adjusted according to the manufacturer's instructions.	Yes
-	Sheet of carbon paper on top of a sheet of white paper, between the eye-protector and the head-form inserted.	Yes
-	Eye-protector/headform assembly positioned in front of the propulsion equipment so that the point of impact is not more than 250 mm from the exit end of the speed sensing equipment.	Yes
-	Project the steel ball at 60 m/s. The points of impact are (L1 and L2). (a) Left eye frontal; (b) Right eye frontal;	Yes
-	The impact of the steel ball on the goggles within 30 s after the removal of the sample from the corresponding atmosphere;	Yes
-	Test made at an ambient temperature of (23 ± 5) °C;	Yes
-	New specimens shall be used for this test and each specimen shall only be subjected to two impacts.	Yes

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7.8.2.3.2.	After testing, the following defects shall not occur:	
	(a) Visor fracture: a visor shall be considered to have fractured if it cracks through its entire thickness into two or more pieces, or visor material becomes detached from the surface away from the one struck by the ball, or if the ball passes through the visor;	Yes
	(b) Visor deformation: a visor shall be considered to have been deformed if a mark appears on the white paper on the opposite side to that struck by the ball;	Yes
	(c) Visor housing failure: a visor housing shall be considered to have failed if it separates into two or more pieces, or if it is no longer capable of holding a visor in position.	Yes
7.8.3.	Optical qualities and scratch resistance	
7.8.3.1	Test procedure:	Yes
7.8.3.1.1	Test piece taken from the flattest part of the visor in the area specified in paragraph 6.16.3.2. and its minimum dimensions shall be 50 mm x 50 mm. The test shall be carried out on the face corresponding to the outside of the visor.	
7.8.3.1.2	The test piece shall undergo ambient-temperature and hygrometry conditioning in accordance with paragraph 7.2.2.	Yes
	Test sequence of operations is as follows:	
7.8.3.1.3	- The surface of the test piece shall be washed in water containing 1 per cent detergent and rinsed with distilled or demineralized water, then carefully dried with a grease-free and dust-free linen cloth.	
7.8.3.1.3.1	- Immediately after drying and before abrasion, the luminous transmittance shall be measured using the method given in paragraph 7.8.3.2.1.1., and the light diffusion shall be measured according to one of the methods specified in Annex 11.	
7.8.3.1.3.2	- The test piece shall then be subjected to the abrasion test described in Annex 10, during which 3 kg ± 0,01 kg of abrasive material shall be projected at the sample.	
7.8.3.1.3.3	- Following the test, the test piece shall again be cleaned in accordance with paragraph 7.8.3.1.3.1.	
7.8.3.1.3.4	- Immediately after drying the light diffusion after abrasion shall be measured by using again the same method used in accordance with paragraph 7.8.3.1.3.2	Yes
7.8.3.1.3.5		

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7.8.3.2.1.1.	In a parallel beam, with the test specimens being irradiated vertically, determine the spectral transmittance values between 380 nm and 780 nm and then the transmittance and the visual attenuation quotient in accordance with the equations given in annex 13.	Yes
7.8.3.2.1.2.	The light diffusion shall not exceed the following values for each method:	
	Before abrasion: 0.65/m²/l (a/ c/), 2.5 % (b/)	Yes (Refer table 3)
	After abrasion: 5.0/m²/l (a/ c/), 10 % (b/)	Yes (Refer table 11)
7.9	Sun shield tests	
7.9.1.	Sampling and use of samples The 7 sun shield are used as shown below in Tab 8	Yes
7.9.1.1.	Prior to any type of further conditioning for optical test, as specified in paragraph 7.9.1., each sun shield shall be subject to the ultraviolet conditioning in accordance with the provision of paragraph 7.2.4.1.	Yes
7.14.	Test of photochromic visors, liquid crystal or equivalent visors	
7.14.1	The photochromic visor is characterized by its luminous transmittance that shall be determined in faded state τ_{vo} and in darkened state τ_{v1} achieved after 15 min irradiation according with the method specified in Annex 18.	Yes
7.14.1	For photochromic visors, τ_{vo}/τ_{v1} is ≥ 1.25.	Yes (Refer table 12)
7.14.2.	Visors tested in accordance with the method specified in Annex 18.	Yes
Annex 18, 2.1.3	Conditioning for luminous transmittance in the faded state.	
	Unless the manufacturer specifies a different procedure to reach the faded state in the information supplied with the product, photochromic visors shall be conditioned as per Annex 18, 2.1.3	Yes

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TABLES

Tab 1 – SAMPLING AND USE OF SAMPLES (7.8.1)

Paragraph	Test	1	2	3	4	5	6	7	8	9	10	11-14	Total
								If optional test					
6.16.3.	Field of vision of the visor	X						R E					1
6.16.3.4.	Luminous transmittance	X	X	X				T A					3
6.16.3.5.	Light diffusion							I					
6.16.3.6.	Recognition signal lights							N E					
6.16.3.7.	Spectral transmittance							D					
6.16.3.8.	Refractive powers				X	X	X						3
6.16.3.9.	Mist retardant visor (opt.)								X	X	X		3
7.8.2.	Mechanical character				X	X	X					X	7
7.8.3.	Optical quality and scratch res.	X	X	X									3

Tab 2 – VISOR MECHANICAL CHARACTERISTICS (7.8.2)

Sample ID Number	Conditioning (°C)	Splinters	Sharp splinters	Note
S01	-20	None	None	Pass
S02	-20	None	None	Pass
S03	-20	None	None	Pass

VISOR HIGH SPEED PARTICLE TEST (7.8.2.3.)

Sample ID Number	Conditioning (°C)	Test temperature (23 ± 5) °C;	Defects type 'a'	Defects type 'b'	Defects type 'c'	Note
S04	50	26.4	None	None	None	Pass
S05	50	26.4	None	None	None	Pass
S06	-10	26.4	None	None	None	Pass
S07	-10	26.4	None	None	None	Pass

Tab 3 – VISOR OPTICAL QUALITIES AND SCRATCH RESISTANCE (7.8.3)

Sample ID Number	Conditioning (°C)	Luminous transmittance	Light diffusion		Note
		Before Abrasion > 80 %	Before Abrasion < 2.5 %	After Abrasion < 10 %	
S08	Amb	91.3	0.425	3.245	Pass
S09	Amb	91.2	0.465	3.236	Pass
S10	Amb	91.5	0.445	3.248	Pass

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Tab. 4 – VISOR LUMINOUS TRANSMITTANCE (6.16.3.4)
RELATIVE VISUAL ATTENUATION QUOTIENT (6.16.3.6)

Sample ID Number	Luminous transmittance	Relative visual attenuation quotient				Note
	τ_v ≥80 % General 80 % > τ_v ≥ 35 % or 20% only in case of Daytime	Q Red ≥ 0.8	Q Yellow ≥ 0.6	Q Green ≥ 0.6	Q Blu ≥ 0.6	
S08	91.3	0.97	0.96	0.97	0.96	Pass
S09	91.2	0.97	0.97	0.97	0.97	Pass
S10	91.5	0.97	0.97	0.97	0.96	Pass

Tab 5 – VISOR SPECTRAL TRANSMITTANCE (6.16.3.7)
LIGHT DIFFUSION (6.16.3.5)

Sample ID Number	Spectral transmittance		Light diffusion		Note
	τ_f Results [475-650]	Limits τ_f > 0,2 τ_v	Before Abrasion < 2,5 %	After Abrasion < 10 %	
S08	54.3	18.26	See Test Tab 3	See Test Tab 3	(1)
S09	54.1	18.24	See Test Tab 3	See Test Tab 3	(1)
S10	54.8	18.30	See Test Tab 3	See Test Tab 3	(1)

Tab. 6 – VISOR REFRACTIVE POWERS (6.16.3.8)

Sample ID Number	Side	Spherical Power +/- 0.12 [m^{-1}]	Astigmatic Power 0.12 [m^{-1}]	Prismatic Power			Note
				Base IN/ OUT	Horizontal Limits Base IN < 0.25 Base OUT < 1.00 [cm/m]	Vertical Limits < 0.25 [cm/m]	
S11	Dx	-0.012	0.012	IN	0.101	0.102	Pass
	Sx	0.015	0.017	IN	0.102	0.101	
S12	Dx	0.012	0.019	IN	0.104	0.105	Pass
	Sx	-0.015	0.014	IN	0.103	0.104	
S13	Dx	0.011	0.017	IN	0.085	0.104	Pass
	Sx	-0.015	0.016	IN	0.095	0.102	

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Tab. 7 – MIST RETARDANT VISOR (Optional requirements) (6.16.3.9)

Tab. 8 – SUN SHIELD SAMPLING AND USE OF SAMPLES (7.9.1)

Paragraph	Test	1	2	3	4	5	6	**7**	Total
6.17.2	Field of vision of the sun shield	X							1
6.17.2.2	Luminous transmittance	X	X	X					3
6.17.2.4	Recognition of signal lights								
6.17.2.5	Spectral transmittance								
6.17.2.6	Refractive powers				X	X	X		3

Tab. 9 – SUN SHIELD LUMINOUS TRANSMITTANCE (6.17.2.2)
RELATIVE VISUAL ATTENUATION QUOTIENT (6.17.2.4)

Sample ID Number	Luminous transmittance	Relative visual attenuation quotient				Note
	τ_v > 20 %	Q Red ≥ 0.8	Q Yellow ≥ 0.6	Q Green ≥ 0.6	Q Blue ≥ 0.6	
SS01	54.20	0.99	0.97	0.99	0.99	Pass
SS02	54.60	0.96	0.98	0.98	0.98	Pass
SS03	54.50	0.98	0.97	0.97	0.98	Pass

Tab 10. – SUN SHIELD SPECTRAL TRANSMITTANCE (6.17.2.5)

Sample ID Number	Spectral transmittance		Note
	τ_f Results [475-650]	Limits τ_f > 0,2 τ_v	
SS01	34.5	10.84	Pass
SS02	34.7	10.92	Pass
SS03	34.6	10.9	Pass

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Tab. 11 – SUN SHIELD REFRACTIVE POWERS (6.17.2.6)

Sample ID Number	Side	Spherical Power +/- 0.12 [m^{-1}]	Astigmatic Power 0.12 [m^{-1}]	Prismatic Power			Note
				Base IN/ OUT	Horizontal Limits Base IN < 0.25 Base OUT < 1.00 [cm/m]	Vertical Limits < 0.25 [cm/m]	
SS04	Dx	0.012	0.015	IN	0.101	0.112	Pass
	Sx	-0.018	0.012	IN	0.102	0.114	
SS05	Dx	0.013	0.014	IN	0.104	0.112	Pass
	Sx	-0.014	0.012	IN	0.096	0.104	
SS06	Dx	0.012	0.021	IN	0.101	0.105	Pass
	Sx	0.011	0.015	IN	0.103	0.103	

Tab. 12 –PHOTOCHROMIC VISORS, LIQUID CRYSTAL OR EQUIVALENT (7.14)

Sample ID Number		Luminous transmittance	τ_{vo} /τ_{v1} (≥ 1.25)	Relative visual attenuation quotient				Note
				Q Red ≥ 0.8	Q Yellow ≥ 0.6	Q Green ≥ 0.6	Q Blue ≥ 0.6	
--	τ_{vo}	NA	NA	NA	NA	NA	NA	--
	τ_{v1}	NA	NA	NA	NA	NA	NA	
--	τ_{vo}	NA	NA	NA	NA	NA	NA	--
	τ_{v1}	NA	NA	NA	NA	NA	NA	
--	τ_{vo}	NA	NA	NA	NA	NA	NA	--
	τ_{v1}	NA	NA	NA	NA	NA	NA	

(1) For details see annex Laboratory Test

Remarks

Nil

Note: VCA apply measurement uncertainty to calibrated items but not test results.

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Vehicle Certification Agency

Report Number: ISC629053A Issue: 0

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Inspection/Test Report: Approval of a Visor Type for Protective Helmets for Drivers and Passengers of Motorcycles and Mopeds

Legislation

UNECE Regulation 22.06 (Revision 4 Amendment 3)

Inspection/Test Details

Location of Inspection/Test:	Vega Auto Accessories Pvt. Ltd. Testing Laboratory - Belgaum
Date of Inspection/Test:	03 May 2024 to 05 May 2024
VCA Representative(s):	Swapnil S Mandekar
Inspectors Home Office Location:	VCA India
Manufacturer's Representative(s):	Sandip Kumbhar / Bhavesh Tupare
Reason for Test Report:	Production Qualification

Manufacturer Details

Name and Address:	Vega Auto Accessories Pvt. Ltd. Plot No. 12-B, Sy. No. 342, BEMCIEL Industrial Estate, Udyambag, Belgaum – 590008, Karnataka INDIA
Type:	Striker Dual Visor "J"
Commercial Description:	Outer Visor with sun shield inside the outer visor for protective helmet without lower face "J" type
Category:	Not applicable

Conclusion

The above mentioned component was tested in accordance with the above mentioned legislation and was found to comply in all respects. This report relates only to the items tested

Witness Engineer/Test Engineer Signature:



Name:	Swapnil S Mandekar
Position:	Type Approval Engineer
Date:	08 July 2024

List of Annexes

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Issue Record

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Report Number: ISC629053A Issue: 0

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Issue 0 is original report

Worst Case Rationale

Production Qualification Testing done on 20 Quantity Visor
For Type approval Testing, Refer VCA Job Number ISC629053.

Note: Include information on variants and versions this report covers, as applicable. Supporting documents may be annexed to this report

Significant Interpretations, Alternative Test Methods, New Technologies

None

Inspection/Tests Required

	Yes, NA, See Report … / Approval … / Annex …
Markings:	Yes
Luminous transmittance:	Yes
Light diffusion:	Yes
Recognition of signal lights:	Yes
Spectral transmittance:	Yes
Refractive powers:	Yes
Mechanical characteristics:	Yes
Optical quality and scratch resistance:	Yes
Mist retardant visor (optional)	NA

List of helmets to which the visor may be fitted:	Striker "J"
Structure of visor:	As per drawing. Refer manufacturer information document.
Material of visor:	Polycarbonate. Refer manufacturer information document.

Manufacturer's Documentation

Manufacturer's documentation is complete and reflects the agreed specification for the component tested, and covers all variants and versions agreed in the worst case rationale. Information document uploaded to job folder and identified by job number. — Yes

Facility and Equipment Checks

Facility Appraisal reference and date *(Reference and date if formal; state if ad-hoc appraisal).* — Ad-hoc appraisal has been verified before test and ISO 17025 accredited lab

Calibration certificates checked and valid, recorded in the following table: Yes

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Equipment

Description	Make	Model	Serial number	Calibration due date*
Temp indicator/controller with sensor (low temp. conditioning)	Subzero	--	VA/TC/03	03/07/2024
Visor: Optical Qualities/Luminous Transmittance equipment Light diffusion for visor only	Vega	--	VA/TGP/01	05/01/2025
Visor Scratch Resistance Measurement equipment (RPM meter)	Brestronics	--	VA/ASM/01	04/12/2024
Visor: Refractive Powers (Standard lenses)	Vega	--	VA/VTD/01, VA/VTD/02 VA/VTD/03, VA/VTD/04 VA/VTD/05, VA/VTD/06	07/01/2026
Visor: Recognition of signal lights & spectral transmittance (Spectrophotometer)	GSP	--	VA/SP/01	23/11/2024
Visor: Recognition of signal lights & spectral transmittance (Transparent glass plate)	Vega	--	VA/TGP/01	05/01/2025
Visor Mechanical characteristics punch apparatus. (Penetration)	Vega	--	ID: VA/VH/01 (3000 g) ID: VA/VP/01 (300 g)	04/12/2024

**Specify calibrated date + (interval) or calibration due date.*

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	Inspection/Test Requirements	Complies Yes / NA
	Qualifying the production of visors.	
9.3.	The production of each new approved type of visor (approved as such or as forming part of the helmet) subjected to production qualification tests. For this purpose, a random sample of 20 visors (30 if the mist-retardant test is involved) will be taken from the first batch. (The first batch is considered to be the production of the first tranche containing a minimum of 200 visors and a maximum of 3,200 visors.)	Yes
	Markings/Information for wearers.	
14.5.	Every visor offered for sale shall bear a label showing the types of protective helmet for which it has been approved.	Yes
14.6.	Every visor placed on the market with a protective helmet shall be accompanied by information in the national language, or in at least one of the national languages, of the country of destination. This information shall contain:	Yes
14.6.1	General instruction for storage and care.	Yes
14.6.2.	Specific instructions for cleaning and their notice of use.	Yes
14.6.3.	Advice as to the suitability of the visor for use in conditions of poor visibility and during the hours of darkness.	Yes
14.6.3.1.	Visors with the marking indicating "daytime use only" are not suitable for use during the hours of darkness or in conditions of poor visibility.	Yes
14.6.5.	If the visor is MIST RETARDANT approved it may be indicated.	NA

Tab 1-Test sample

Test Group	Test	Visors Sample
A	Light transmission	10
	Recognition of light signals	
	Spectral transmission	
	Light diffusion	
	Optical qualities and resistance to scratches	
B	Refractivity	10
	Mechanical characteristics	
C	Mist-retardant (Optional)	10

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Tab 2 – MECHANICAL CHARACTERISTICS (7.8.2)

Sample ID Number	Conditioning (°C)	Splinters	Sharp splinters	Note
S01	-20	None	None	Satisfactory
S02	-20	None	None	Satisfactory
S03	-20	None	None	Satisfactory
S04	-20	None	None	Satisfactory
S05	-20	None	None	Satisfactory
S06	-20	None	None	Satisfactory
S07	-20	None	None	Satisfactory
S08	-20	None	None	Satisfactory
S09	-20	None	None	Satisfactory
S10	-20	None	None	Satisfactory

Tab 3 – OPTICAL QUALITIES AND SCRATCH RESISTANCE (7.8.3)

Sample ID Number	Conditioning (°C)	Luminous transmittance	Light diffusion		Note
		Before Abrasion > 80 %	Before Abrasion < 2.5 %	After Abrasion < 10 %	
S11	Amb	91.20	0.348	3.251	Pass
S12	Amb	91.30	0.359	3.152	Pass
S13	Amb	91.20	0.345	3.265	Pass
S14	Amb	91.30	0.356	3.542	Pass
S15	Amb	91.30	0.351	3.265	Pass
S16	Amb	91.40	0.345	3.154	Pass
S17	Amb	91.30	0.352	3.251	Pass
S18	Amb	91.10	0.365	3.422	Pass
S19	Amb	91.40	0.335	3.652	Pass
S20	Amb	91.20	0.315	3.471	Pass

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Tab. 4 – LUMINOUS TRANSMITTANCE (6.15.3.4)
RELATIVE VISUAL ATTENUATION QUOTIENT (6.15.3.6)

Sample ID Number	Luminous transmittance	Relative visual attenuation quotient				Note
	τ_v ≥ 50 % Daytime τ_v ≥80 % General	Q Red ≥ 0.8	Q Yellow ≥ 0.6	Q Green ≥ 0.6	Q Blu ≥ 0.6	
S11	91.20	0.92	0.95	0.95	0.97	Pass
S12	91.30	0.93	0.94	0.95	0.96	Pass
S13	91.20	0.93	0.95	0.96	0.97	Pass
S14	91.30	0.92	0.95	0.95	0.96	Pass
S15	91.30	0.93	0.95	0.94	0.97	Pass
S16	91.40	0.91	0.94	0.95	0.96	Pass
S17	91.30	0.93	0.95	0.95	0.97	Pass
S18	91.10	0.92	0.94	0.95	0.97	Pass
S19	91.40	0.93	0.95	0.95	0.97	Pass
S20	91.20	0.92	0.94	0.94	0.94	Pass

Tab 5 – SPECTRAL TRANSMITTANCE (6.16.3.7)
LIGHT DIFFUSION (6.16.3.5)

Sample ID Number	Spectral transmittance		Light diffusion		Note
	τ_f Results [475-650]	Limits τ_f > 0,2 τ_v	Before Abrasion < 2,5 %	After Abrasion < 10 %	
S11	55.1	18.24	See Test Tab 3	See Test Tab 3	Pass
S12	55.3	18.26	See Test Tab 3	See Test Tab 3	Pass
S13	55.4	18.24	See Test Tab 3	See Test Tab 3	Pass
S14	55.6	18.26	See Test Tab 3	See Test Tab 3	Pass
S15	55.4	18.26	See Test Tab 3	See Test Tab 3	Pass
S16	55.3	18.28	See Test Tab 3	See Test Tab 3	Pass
S17	55.4	18.26	See Test Tab 3	See Test Tab 3	Pass
S18	55.2	18.22	See Test Tab 3	See Test Tab 3	Pass
S19	55.6	18.28	See Test Tab 3	See Test Tab 3	Pass
S20	55.4	18.24	See Test Tab 3	See Test Tab 3	Pass

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Tab. 6 – REFRACTIVE POWERS (6.16.3.8)

Sample ID Number	Side	Spherical Power +/- 0.12 [m^{-1}]	Astigmatic Power 0.12 [m^{-1}]	Prismatic Power			Note
				Base IN/ OUT	Horizontal Limits Base IN < 0.25 Base OUT < 1.00 [cm/m]	Vertical Limits < 0.25 [cm/m]	
S11	Dx	-0.012	0.015	IN	0.100	0.096	Pass
	Sx	0.015	0.013	IN	0.110	0.088	
S12	Dx	-0.011	0.012	IN	0.094	0.110	Pass
	Sx	0.013	0.018	IN	0.099	0.100	
S13	Dx	0.011	0.017	IN	0.100	0.115	
	Sx	-0.012	0.016	IN	0.100	0.115	
S14	Dx	-0.016	0.016	IN	0.100	0.099	
	Sx	0.017	0.013	IN	0.100	0.105	
S15	Dx	-0.016	0.012	IN	0.110	0.100	
	Sx	-0.013	0.018	IN	0.110	0.113	
S16	Dx	0.011	0.104	IN	0.105	0.115	
	Sx	-0.015	0.016	IN	0.101	0.115	
S17	Dx	-0.015	0.016	IN	0.100	0.089	
	Sx	0.016	0.013	IN	0.095	0.087	
S18	Dx	-0.011	0.012	IN	0.100	0.100	
	Sx	0.012	0.018	IN	0.112	0.110	
S19	Dx	0.015	0.104	IN	0.100	0.100	
	Sx	0.017	0.105	IN	0.110	0.112	
S20	Dx	0.012	0.014	IN	0.095	0.112	Pass
	Sx	-0.014	0.016	IN	0.095	0.105	

Tab. 7 – MIST RETARDANT VISOR (Optional requirements) (6.16.3.9)

Not Applicable

Remarks

Batch Size of 3200, Striker Dual Visor "J" to be used in Striker "J" HELMET

Note: VCA apply measurement uncertainty to calibrated items but not test results.

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Report Number: ISC629053B
Issue: 0

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Inspection/Test Repo rt: Approval of a Sun Shield Type for Protective Helmets for Drivers and Passengers of Motorcycles and Mopeds

Legislation

UNECE Regulation 22.06 to (Revision 4 Amendment 3)

Inspection/Test Details

Location of Inspection/Test:	Vega Auto Accessories Pvt. Ltd. Testing Laboratory - Belgaum
Date(s) of Inspection/Test:	05 May 2024
VCA Representative(s):	Swapnil S Mandekar
Inspectors Home Office Location:	VCA India
Manufacturer's Representative(s):	Sandip Kumbhar / Bhavesh Tupare
Reason for Report:	Report Only

Manufacturer Details

Name and Address:	Vega Auto Accessories Pvt Ltd Plot No. 12-B Sy. No. 342, Bemciel Industrial Estate Udyambag Belgaum – 590008 Karnataka India
Type:	Striker Dual Visor "J"
Commercial Description:	Outer Visor with sun shield inside the outer visor for protective helmet without lower face "J" type
Category:	Not applicable

Conclusion

The above-mentioned vehicle / engine / component was tested in accordance with the above mentioned legislation and was found to comply in all respects. This report relates only to the items tested.

Test Report Engineer
Signature:



Name:	Swapnil S Mandekar
Position:	Type Approval Engineer
Date:	8 July 2024

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List of Annexes

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Issue Record

Issue 0 is original report

Note: Include reason for reissue, date of reissue, who has reissued.

Worst Case Rationale

Sunshield Samples subjected to testing as submitted by Manufacturer
Production Qualification Testing done on 20 Quantity Sunshield.

Note: Include information on variants and versions this report covers, as applicable. Supporting documents may be annexed to this report.

Significant Interpretations, Alternative Test Methods, New Technologies

None

Inspection/Tests Required

	Yes, NA, See Report … / Approval … / Annex …		
	Test location	Dates	Engineer
Sun Shield	Vega Auto Accessories Pvt. Ltd. Testing Laboratory - Belgaum	05 May 2024	Swapnil S Mandekar
Photochromic visors, liquid crystal or equivalent visors	NA	NA	NA

Component Specification

Sunshield Model	Striker Dual Visor "J"

Manufacturer's Documentation

Manufacturer's documentation is complete and reflects the agreed specification for the ~~vehicle / engine /~~ component tested and covers all variants and versions agreed in the worst case rationale.	Yes
Information document uploaded to job folder and identified by job number.	Yes

Facility and Equipment Checks

Facility Appraisal reference and date	Ad-hoc appraisal has been verified before test and ISO 17025 accredited lab

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Calibration certificates are traceable to national or international standards of measurement, where available: Yes

Calibration certificates checked and valid, recorded in the following table: Yes

Equipment

Description	Make	Model	Serial number	Calibration due date
Luminous Transmittance equipment	Vega	--	VA/TGP/01	05/01/2025
Refractive Powers (Standard lenses)	Vega	--	VA/VTD/01, VA/VTD/02 VA/VTD/03, VA/VTD/04 VA/VTD/05, VA/VTD/06	07/01/2026
Visor/sun shield: Recognition of signal lights & spectral transmittance (Spectrophotometer)	GSP	--	VA/SP/01	23/11/2024
Visor/sun shield: Recognition of signal lights & spectral transmittance (Transparent glass plate)	Vega	--	VA/TGP/01	05/01/2025

**Specify calibrated date + (interval) or calibration due date.*

Equipment Remarks

NA

No note needed

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Inspection/Test Requirements	Complies Yes / NA

Product Qualification of the production of Sun Shields.

9.4.	From the 20 sun shields take two groups each of 10 sun shields. The first group of 10 sun shields will be subjected to each of the tests in group A, the second group to each of the tests in group B. The results of the tests described in paragraph 9.4.3 comply with the values prescribed for each approval test	Yes

Tab 1-Test sample

Test Group	Test	Sun Shield Sample
A	Light transmission	10
	Recognition of light signals	
	Spectral transmission	
B	Refractivity	10

Tab. 2 – SUN SHIELD LUMINOUS TRANSMITTANCE (6.17.2.2)
RELATIVE VISUAL ATTENUATION QUOTIENT (6.17.2.4)

Sample ID Number	Luminous transmittance	Relative visual attenuation quotient				Note
	τ_v > 20 %	Q Red ≥ 0.8	Q Yellow ≥ 0.6	Q Green ≥ 0.6	Q Blue ≥ 0.6	
SS01	54.20	0.98	0.98	0.99	1.01	Pass
SS02	54.60	0.98	0.98	0.98	1.00	Pass
SS03	54.20	0.99	0.99	0.99	0.99	Pass
SS04	54.10	1.00	0.99	0.99	1.00	Pass
SS05	53.90	0.99	0.98	0.99	0.99	Pass
SS06	54.60	0.98	0.98	0.98	0.98	Pass
SS07	54.60	0.97	0.99	0.98	1.03	Pass
SS08	54.80	0.98	0.98	0.97	0.98	Pass
SS09	54.60	0.99	0.97	0.98	0.98	Pass
SS10	54.60	0.98	0.97	0.98	0.98	Pass

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Tab 3 – SUN SHIELD SPECTRAL TRANSMITTANCE (6.17.2.5)

Sample ID Number	Spectral transmittance		Note
	τ_f Results [475-650]	Limits $\tau_f > 0{,}2\,\tau_v$	
SS01	36.4	10.84	Pass
SS02	36.2	10.92	Pass
SS03	36.3	10.84	Pass
SS04	36.4	10.82	Pass
SS05	36.2	10.78	Pass
SS06	36.1	10.92	Pass
SS07	36.2	10.92	Pass
SS08	36.4	10.96	Pass
SS09	36.2	10.92	Pass
SS10	36.1	10.92	Pass

Tab. 4 – SUN SHIELD REFRACTIVE POWERS (6.17.2.6)

Sample ID Number	Side	Spherical Power +/- 0.12 [m^{-1}]	Astigmatic Power 0.12 [m^{-1}]	Prismatic Power			Note
				Base IN/ OUT	Horizontal Limits Base IN < 0.25 Base OUT < 1.00 [cm/m]	Vertical Limits < 0.25 [cm/m]	
SS11	Dx	-0.012	0.012	IN	0.130	0.100	Pass
	Sx	0.014	0.021	IN	0.140	0.095	
SS12	Dx	-0.010	0.020	IN	0.120	0.100	Pass
	Sx	0.012	0.018	IN	0.120	0.100	
SS13	Dx	-0.014	0.013	IN	0.110	0.095	Pass
	Sx	0.016	0.014	IN	0.121	0.085	
SS14	Dx	-0.015	0.015	IN	0.100	0.101	Pass
	Sx	0.012	0.016	IN	0.115	0.102	
SS15	Dx	0.012	0.012	IN	0.101	0.111	Pass
	Sx	-0.015	0.015	IN	0.095	0.112	
SS16	Dx	0.013	0.014	IN	0.100	0.095	Pass
	Sx	-0.013	0.015	IN	0.100	0.104	
SS17	Dx	0.015	0.010	IN	0.120	0.095	Pass
	Sx	-0.013	0.015	IN	0.115	0.096	
SS18	Dx	-0.012	0.012	IN	0.100	0.105	Pass
	Sx	-0.022	0.018	IN	0.114	0.101	
SS19	Dx	0.018	0.012	IN	0.100	0.101	Pass
	Sx	0.021	0.016	IN	0.115	0.102	
SS20	Dx	-0.018	0.012	IN	0.100	0.110	Pass
	Sx	0.021	0.015	IN	0.117	0.110	

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Remarks

None

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