

TECHNICAL FILE: TF21002

Sunglasses

Indian (brand) ARIZONA SUNGLASSES (model)
Indian (brand) GETAWAY SUNGLASSES (model)

Name and address of manufacturer

(responsible for placing on the market)

POLARIS INDUSTRIES INC.
2100 Highway 55
Medina, MN 55340-9800
USA

Name and address of production site(s)

Greatland Enterprise Co., Ltd.
276, Sec. 5 Chang-Lu Rd.
Lu-Kang Township
Chang-Hua Hsien 50548
Taiwan

Update

02: Rev 0

Date :

13rd July, 2021

Technical File				
Update N°.	Date	Changes	Issued by	Check by
0	13 Jul, 2021	Original content	Steve Hsu	

TECHNICAL FILE FOR SUNGLASSES

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ANNEX -6-	Risk assessment chart for the sunglasses

TECHNICAL FILE ISSUED BY: Steve Hsu
POSITION: Vice President, GREATLAND ENTERPRISE CO., LTD.
Applicant Date: 13rd July, 2021

ATTESTATION DOCUMENT

CHAPTER -1-

I, the undersigned, Steve Hsu, testifies on behalf of and with the authority of the applicant

1. That for the following model of personal protective equipment:

Commercial name and alphanumeric reference of the model:

Indian (brand) ARIZONA SUNGLASSES (model)

Indian (brand) GETAWAY SUNGLASSES (model)

☐ Type of PPE

Sunglasses

The product described in this manufacturer's technical file has been designated

Category I **Personal Protective Equipment Regulation (EU) 2016/425**

**Carried out at Changhua, Taiwan
on 13rd July, 2021**



**Vice President
GREATLAND ENTERPRISE CO., LTD.**

Chapter -2-

INTRODUCTION / PURPOSE OF USE / COMPLIANCE WITH THE PPE DIRECTIVE MANUFACTURER MANUFACTURER INTRODUCTION

Fuelled Apparel Limited
United House
39-41 North Road
London N7 9DP
United Kingdom

(Product designer and production co-ordinator to Polaris Industries Inc.; responsible for manufacturing, at Greatland Enterprise Co., Ltd., of the sunglasses described in this technical file).

PURPOSE OF USE

Sunglasses, offering protection from sunlight.

COMPLIANCE WITH THE PPE REGULATION (EU) 2016/425

1. General requirements

This product has been deemed to satisfy the Basic Health and Safety Requirements the PPE Regulation (EU) 2016/425 : security, comfort, solidity, innocuousness.

2. Levels and classes of protection

This product is in accordance with the PPE Regulation (EU) 2016/425

Sunglasses

Category 1

Standard(s):

: ANSI Z80.3:2010

: EN 1836:2005 (A1:2007)

: EN ISO 12312-1:2013+A1:2015

3. Innocuousness

The materials and components are not known to adversely affect user hygiene or health when used in accordance with the manufacturer's information.

It is attested that there has been no use of PFOS/PFOA in the fabrics, materials and components featured in the sunglasses described in this technical file.

4. Information supplied by the manufacturer- See Annex

CHAPTER -3- DESCRIPTION OF THE PRODUCT GENERAL DESCRIPTION OF THE BASIC MODEL



Left: Indian ARIZONA SUNGLASSES



Above: branding



Right: Indian GETAWAY SUNGLASSES



Above: branding

Indian (brand) ARIZONA, made from matte Blue PC frame + Black TPEE Temple, detachable eye cup foam and featuring polycarbonate UV400 Revo Blue lens with anti-fog.
Indian (brand) GETAWAY, made from Shiny Black PC frame + Black TPEE Temple, detachable eye cup foam and featuring polycarbonate UV400 Clear lens with anti-fog.

CONDITIONING / PACKAGING

The sunglasses are supplied with a nylon carrying case which is presented for retail sale packaged in a card box.




Above: Polyester carrying case



Above: Indian Zipper

CHAPTER -4- COMPONENTS AND MATERIALS LIST

Factory code	620885	NAME	ARIZONA	Article number	2862813
PHOTO					
FRAME MATERIAL	PC + MATTE BLUE+ BLACK TPEE				
TEMPLE MATERIAL	TPEE				
EYECUP	NYLON				
FOAM	EVA				
NOSE PADS	TPR				
LENS LOGO	THE LOGO IS PRINTED (WHITE COLOR)				
LENS BASE CURVE	8R	LENS MATERIAL	POLYCARBONATE UV400 GREY LENS + REVO BLUE COATING AND ANTI-FOG		
CATEGORY	3				
LENS CLEANING INSTRUCTION	Because the lens has been antifog treated. Allow to dry, then wipe inner and outer lens with microfiber cloth. Do not use detergent or solvents.				
COUNTRY OF ORIGIN	TAIWAN				


CHAPTER -5-

SIZING:

73□19-114

Sunglasses in a single size with a lens base curve of 8R

CHAPTER -4-
COMPONENTS AND MATERIALS LIST

Factory code	620885	NAME	GETAWAY	Article number	2862814
PHOTO					
FRAME MATERIAL	PC + SHINY BLACK + BLACK TPEE				
TEMPLE MATERIAL	TPEE				
EYECUP	NYLON				
FOAM	EVA				
NOSE PADS	TPR				
LENS LOGO	THE LOGO IS PRINTED (WHITE COLOR)				
LENS BASE CURVE	8R	LENS MATERIAL	POLYCARBONATE UV400 CLEAR LENS WITH ANTI-FOG		
CATEGORY	0				
LENS CLEANING INSTRUCTION	Because the lens has been antifog treated. Allow to dry, then wipe inner and outer lens with microfiber cloth. Do not use detergent or solvents.				
COUNTRY OF ORIGIN	TAIWAN				

CHAPTER -5-

SIZING: **73□19-114**

Sunglasses in a single size with a lens base curve of 8R

ANNEX 1

Instructions on use, care and maintenance of Indian sunglasses

Models covered by this information: ARIZONA and GETAWAY SUNGLASSES

Indian ARIZONA and GETAWAY sunglasses have been assessed against the requirements of the manufacturer's specifications and Personal Protective Equipment Regulation (EU) 2016/425, following testing to the Sunglass Association of America Standard LT-1 (July' 12, 1971) and 21 CFR 801.410.

The sunglasses carry the "CE" mark to denote compliance with the requirements of the Personal Protective Equipment Directive (EU) 2016/425.

To keep them in shape, use both hands in order to take them off and to avoid scratching the lenses. Never put them face down onto a surface. Avoid wearing them on your head as it can distort the shape.

The sunglasses should be a comfortable, snug fit and should not move easily during normal head movements. If the sunglasses require adjustment, a professional optician may be able to make changes.

Always ensure that your sunglasses are comfortable to wear with your motorcycle safety helmet and can easily and quickly be put on and taken off with the helmet in place.

The lenses are anti-fog treated. To clean them, place under running cold tap water and wash both inner and outer surfaces. Do not use detergent or solvents. Allow to dry, then wipe the inner and outer lens with the microfiber cloth provided. Do not use paper products or other abrasive materials.

Allow the sunglasses to air dry before storing for extended periods.

Do not leave the sunglasses in areas of concentrated heat and sunlight, such as on a car dashboard or hanging from a rear-view mirror.

Check your sunglasses regularly. Replace sunglasses with heavily scratched or abraded lenses, which will reduce your visibility. Check that the screws attaching the arms to the main frame are not loose. If they are, tighten them gently with a small screwdriver.

When not in use, protect the lenses and frame by storing the sunglasses in the protective case provided.

Used and maintained in accordance with these instructions, the service life of your sunglasses should be between 3 and 5 years. Service life for PU Form can be much shorter.

Warning! Never look directly into the sun. Indian sunglasses cannot offer protection and irreversible damage to the eyes will result.

Indian products are manufactured for and distributed by:

POLARIS INDUSTRIES INC.
2100 Highway 55
Medina, MN 55340-9800
USA

ANNEX -2-

QUALITY CONTROL PROCESS

Greatland Enterprise Co., LTD. operates a quality control system for its sunglasses to meet Quality System requirements. The following process describes the steps of inspections and testing during product manufacturing.

Documentation and traceability

All orders received from the client detail the order number, style, quantity, sizes, labelling, color(s), date and any additional information required for production. This information is used to create internal production documents, including production schedules, material requirements, packaging guideline and labels. These documents accompany the order through production.

All components supplied are accompanied with packing lists detailing the specification and quantity. All deliveries of materials are checked against the material purchasing list and entered into stock when quality passed.

Based on client requirements, the sunglasses have pad printing production number, style name, and/or date of manufacture.

Also, a batch number is allotted to each produced and detailed on the packaging. This number is used to trace the sunglasses back to a specific production run should the need arise.

A Bill of Materials (BOM) sheet is produced by R&D team for each individual style produced for each client. The BOM details all raw materials, components, packaging and labels used in that style and the quantities used together with the supplier(s) of each item.

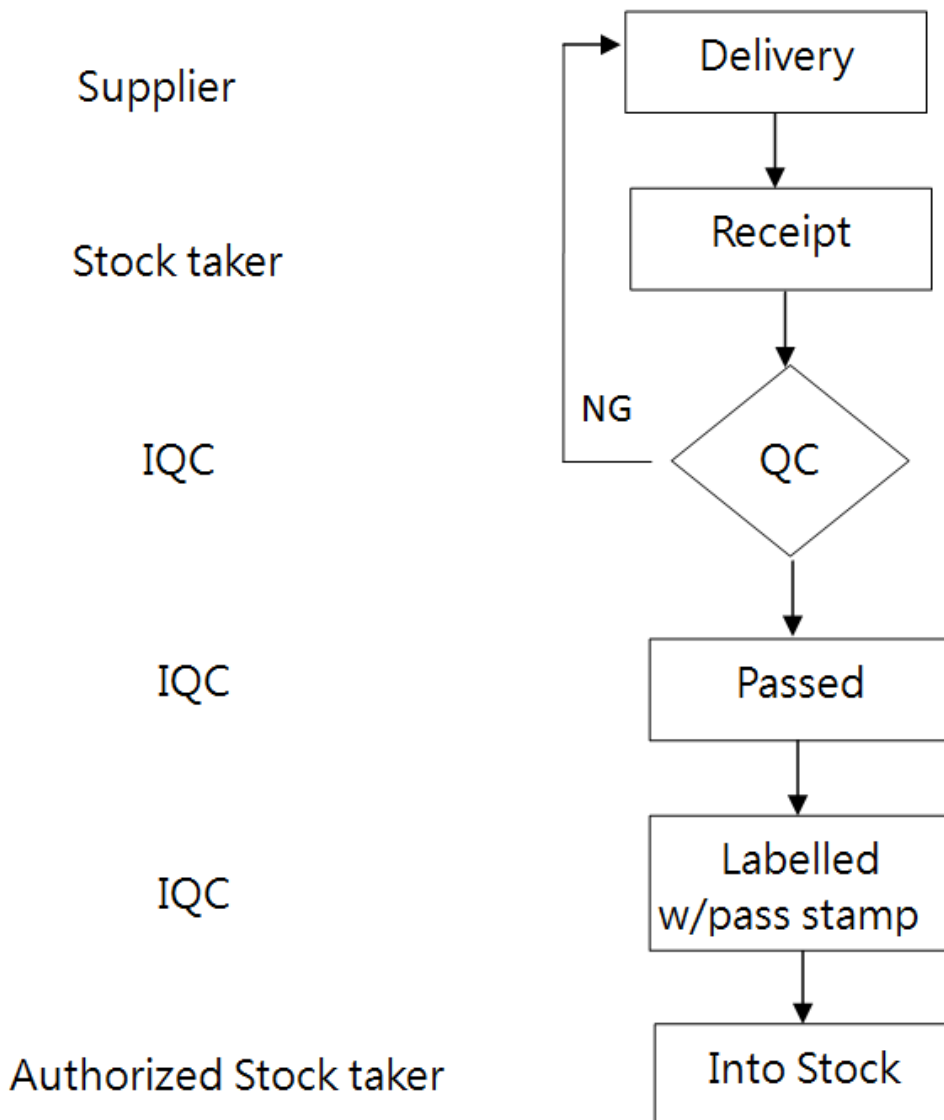
Incoming Quality Control

All raw materials and components are received into stock only after passing the adopted QA procedures.

Only once the Quality Control is satisfied the quantity and quality with the QA Procedure, then they can be received into stock with “passed” label and logged on the computerised stock system.

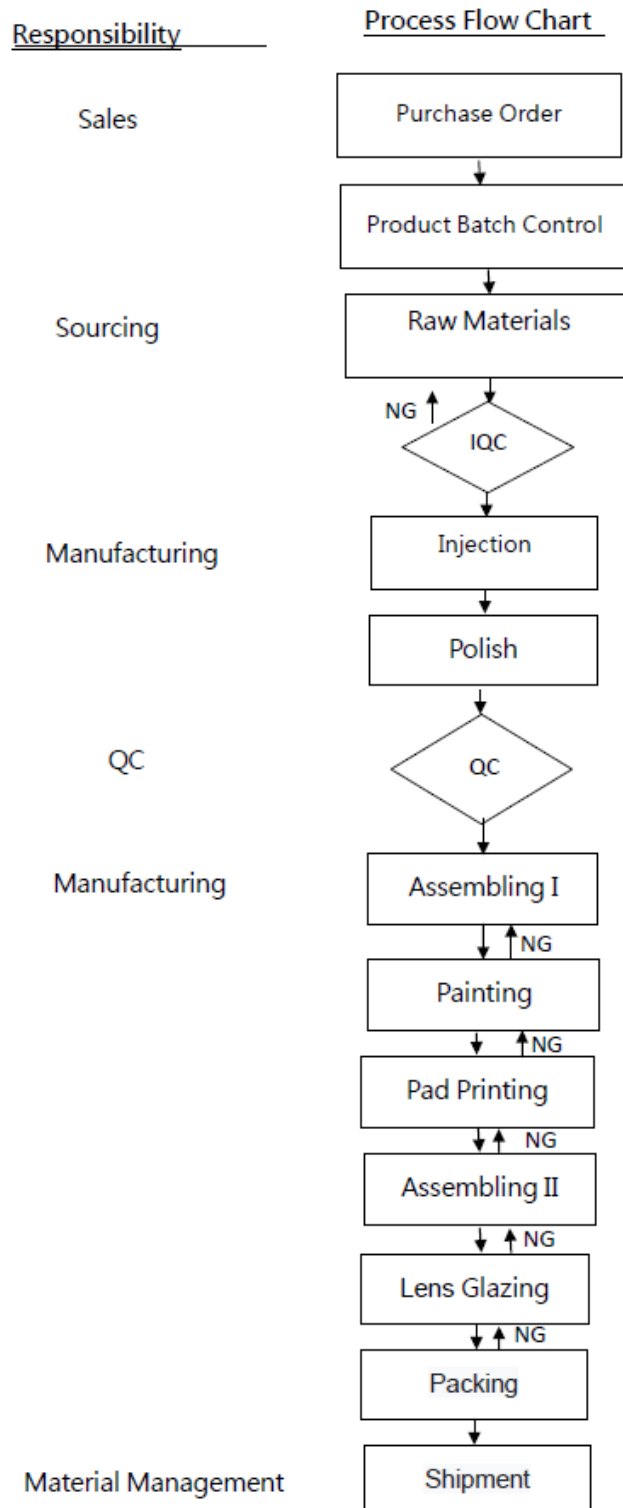
Responsibility

Process Flow Chart



In Process Quality Control

The quality of sunglasses manufacturing is based upon documentation provided by the clients, style requirements, technical specifications, and approved samples which are incorporated into the production process to ensure the finished sunglasses are delivered as required.



Final Quality Control

The final inspection is to verify that the product meets the customer's requirements. The finished product must be inspected before ex-factory.

Inspection Items

- **Finished product packaging inspection:** Checking the packaging is fixed, it meets the transportation requirements, etc
- **Finished product identification inspection:** Checking the batch number, the trademark
- **Finished product appearance inspection:** whether the appearance is damaged, cracked, scratched, etc.
- **Functional performance inspection:**
- **If it is qualified, it will be released.**
- **If it is not qualified, it should be reworked or repaired in time to meet the requirements.**

Sampling Plan

Based on MIL-STD-105E Sampling Plan

Single Sampling Plan for Normal Inspection

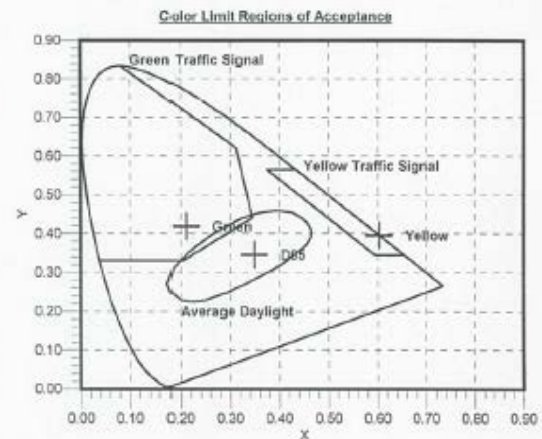
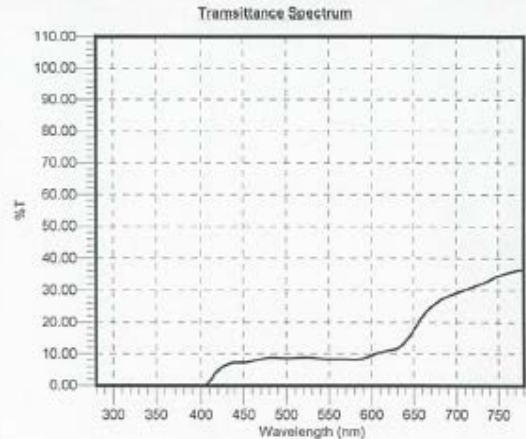
Acceptable Quality Level: Critical 0, Major 1.5, Minor 4.0

All sunglasses pass final inspection and packed for transportation.

For nonconforming sunglasses should be identified, a “rejected” label is attached to the product, and these are set aside in a specific quarantine area pending a decision on whether they are to be fitted with new components or destroyed.

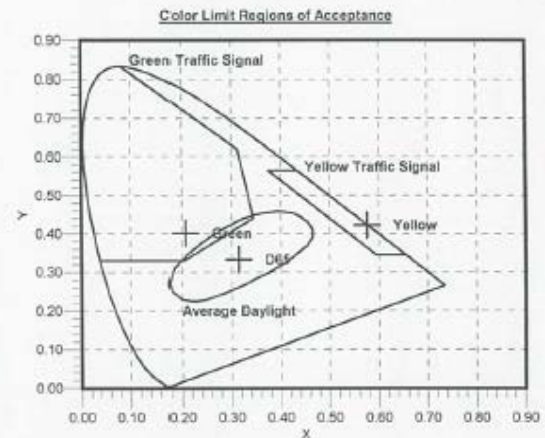
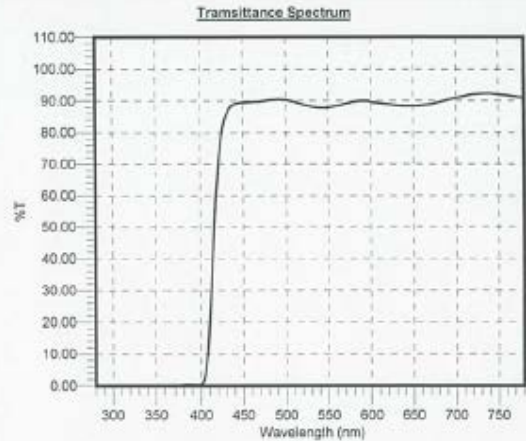
ANNEX -3- TEST REPORTS

Sample Name: BR Grey Lens with Anti-Fog & Revo Blue_Arizona Company: Greatland Enterprise Co., Ltd.																											
Standard: ANSI Z80.3:2010																											
Item	Value	Requirement	Result																								
Lens Primary Function	General Purpose																										
Luminous Transmittance Tv	9.04%	8% - 40%	PASS																								
Color Limit, Yellow(x,y)	(0.6041, 0.3949)		PASS																								
Color Limit, Green(x,y)	(0.2112, 0.4181)		PASS																								
Color Limit, D65(x,y)	(0.3491, 0.3452)		PASS																								
Tsig, Red Signal	14.84%	>= 8%	PASS																								
Tsig, Yellow Signal	9.84%	>= 8%	PASS																								
Tsig, Green Signal	8.55%	>= 5%	PASS																								
Tmin (475 - 650nm)	8.15%	>= 1.81% (0.2Tv)	PASS																								
Tmean UVB (280 - 315nm)	0.04%	<= 1.13% (0.125Tv)	PASS																								
Tmean UVA (315 - 380nm)	0.05%	<= 9.04% (Tv)	PASS																								
Tsb (380 - 500nm)	6.90%																										
Standard: EN 1836:2005 (A1:2007)																											
Item	Value	Requirement	Result																								
Filter Category	3																										
Luminous Transmittance Tv	9.02%	8% - 18%	PASS																								
Q, Red	1.35	>= 0.80	PASS																								
Q, Yellow	1.09	>= 0.80	PASS																								
Q, Green	0.94	>= 0.60	PASS																								
Q, Blue	1.09	>= 0.40	PASS																								
Tmean (280 - 315nm)	0.04%	<= 0.90% (0.1Tv)	PASS																								
Tmean (315 - 350nm)	0.06%	<= 4.51% (0.5Tv)	PASS																								
Tmin (500 - 650nm)	8.15%	>= 1.80% (0.2Tv)	PASS																								
Tsuva (315 - 380nm)	0.06%	<= 4.51% (0.5Tv)	PASS																								
Tsuvb (280 - 315nm)	0.05%																										
Tsuvc (280 - 380nm)	0.05%																										
Tsb (380 - 500nm)	6.90%																										
Standard: EN ISO 12312-1:2013																											
Item	Value	Requirement	Result																								
Filter Category	3																										
Luminous Transmittance Tv	9.02%	8% - 18%	PASS																								
Incandescent Lights																											
Q, Red	1.38	>= 0.80	PASS																								
Q, Yellow	1.08	>= 0.60	PASS																								
Q, Green	0.94	>= 0.60	PASS																								
Q, Blue	1.01	>= 0.60	PASS																								
LED Signal Lights																											
Q, Red	1.37	>= 0.80	PASS																								
Q, Yellow	0.95	>= 0.60	PASS																								
Q, Green	0.95	>= 0.60	PASS																								
Q, Blue	0.90	>= 0.60	PASS																								
Tmin (475 - 650nm)	8.15%	>= 1.80% (0.2Tv)	PASS																								
Tsuva (315 - 380nm)	0.06%	<= 4.51% (0.5Tv)	PASS																								
Tsuvb (280 - 315nm)	0.05%	<= 1.0%	PASS																								
Tsuvc (280 - 380nm)	0.05%																										
Tsb (380 - 500nm)	6.90%																										
Standard: AS/NZS 1067:2003 (A1:2009)																											
Item	Value	Requirement	Result																								
Lens Category	3																										
Luminous Transmittance Tv	9.02%	8% - 18%	PASS																								
Q, Red	1.35	>= 0.80	PASS																								
Q, Yellow	1.09	>= 0.80	PASS																								
Q, Green	0.94	>= 0.60	PASS																								
Q, Blue	1.09	>= 0.70	PASS																								
Tmean (280 - 315nm)	0.04%	<= 0.45% (0.05Tv)	PASS																								
Tmean (315 - 350nm)	0.06%	<= 4.51% (0.5Tv)	PASS																								
Tmin (450 - 650nm)	7.24%	>= 1.80% (0.2Tv)	PASS																								
Tsuva (315 - 400nm)	0.06%	<= 4.51% (0.5Tv)	PASS																								
Tsuvb (280 - 315nm)	0.05%																										
Tsuvc (280 - 400nm)	0.06%																										
Tsb (400 - 500nm)	6.92%																										
CIE 1976 L*, a*, b* color space coordinates, illuminant D65 L* = 38.0 a* = 8.60 b* = 8.29																											
Spectrum Data:																											
nm	%T	nm	%T																								
280 0.034	290 0.036	300 0.038	310 0.049																								
320 0.039	330 0.054	340 0.085	350 0.075																								
360 0.058	370 0.046	380 0.100	390 0.080																								
400 0.062	410 0.127	420 0.454	430 0.654																								
440 0.720	450 7.238	460 7.650	470 8.283																								
480 8.704	490 8.692	500 8.593	510 8.654																								
520 8.814	530 8.753	540 8.459	550 8.295																								
560 8.340	570 8.283	580 8.152	590 8.489																								
600 9.466	610 10.375	620 10.992	630 11.684																								
640 13.751	650 17.329	660 21.415	670 24.623																								
680 26.701	690 28.081	700 29.145	710 30.051																								
720 31.062	730 32.088	740 33.186	750 34.504																								
760 35.363	770 36.001	780 36.453																									
<table> <tr> <td>(1). ANSI Z80.3:2010</td><td>PASS</td><td>Lens Primary Function</td><td>General Purpose</td></tr> <tr> <td>(2). EN 1836:2005 (A1:2007)</td><td>PASS</td><td>Filter Category</td><td>3</td></tr> <tr> <td>(3). EN ISO 12312-1:2013</td><td>PASS</td><td>Filter Category</td><td>3</td></tr> <tr> <td>(4). AS/NZS 1067:2003 (A1:2009)</td><td>PASS</td><td>Lens Category</td><td>3</td></tr> <tr> <td>(5). UV380</td><td>PASS</td><td></td><td></td></tr> <tr> <td>UV400</td><td>PASS</td><td></td><td></td></tr> </table>				(1). ANSI Z80.3:2010	PASS	Lens Primary Function	General Purpose	(2). EN 1836:2005 (A1:2007)	PASS	Filter Category	3	(3). EN ISO 12312-1:2013	PASS	Filter Category	3	(4). AS/NZS 1067:2003 (A1:2009)	PASS	Lens Category	3	(5). UV380	PASS			UV400	PASS		
(1). ANSI Z80.3:2010	PASS	Lens Primary Function	General Purpose																								
(2). EN 1836:2005 (A1:2007)	PASS	Filter Category	3																								
(3). EN ISO 12312-1:2013	PASS	Filter Category	3																								
(4). AS/NZS 1067:2003 (A1:2009)	PASS	Lens Category	3																								
(5). UV380	PASS																										
UV400	PASS																										



ANNEX -3- TEST REPORTS

Sample Name: 8R Clear Lens with Anti-Fog_Getaway Company: Greatland Enterprise Co., Ltd.																											
Standard: ANSI Z80.3:2010																											
Item	Value	Requirement	Result																								
Lens Primary Function	Cosmetic Lens																										
Luminous Transmittance Tv	88.92%	>= 40%	PASS																								
Color Limit, Yellow(x,y)	(0.8765, 0.4223)		PASS																								
Color Limit, Green(x,y)	(0.2075, 0.4015)		PASS																								
Color Limit, D65(x,y)	(0.3148, 0.3334)		PASS																								
Tsig, Red Signal	88.89%	>= 8%	PASS																								
Tsig, Yellow Signal	89.02%	>= 6%	PASS																								
Tsig, Green Signal	88.80%	>= 6%	PASS																								
Tmin (475 - 650nm)	87.82%	>= 17.78% (0.2Tv)	PASS																								
Tmean UVB (280 - 315nm)	0.06%	<= 11.11% (0.125Tv)	PASS																								
Tmean UVA (315 - 380nm)	0.10%	<= 88.92% (Tv)	PASS																								
Tsb (380 - 500nm)	82.46%																										
Standard: EN 1836:2005 (A1:2007)																											
Item	Value	Requirement	Result																								
Filter Category	0																										
Luminous Transmittance Tv	88.90%	80% - 100%	PASS																								
Q, Red	1.00	>= 0.80	PASS																								
Q, Yellow	1.00	>= 0.80	PASS																								
Q, Green	0.99	>= 0.60	PASS																								
Q, Blue	1.00	>= 0.40	PASS																								
Tmean (280 - 315nm)	0.06%	<= 8.89% (0.1Tv)	PASS																								
Tmean (315 - 350nm)	0.09%	<= 88.90% (Tv)	PASS																								
Tmin (500 - 650nm)	87.82%	>= 17.78% (0.2Tv)	PASS																								
Tsuvb (315 - 380nm)	0.10%	<= 88.90% (Tv)	PASS																								
Tsuvb (280 - 315nm)	0.06%																										
Tsuv (280 - 380nm)	0.09%																										
Tsb (380 - 500nm)	82.45%																										
Standard: EN ISO 12312-1:2013																											
Item	Value	Requirement	Result																								
Filter Category	0																										
Luminous Transmittance Tv	88.91%	80% - 100%	PASS																								
Incandescent Lights																											
Q, Red	1.00	>= 0.80	PASS																								
Q, Yellow	1.00	>= 0.60	PASS																								
Q, Green	0.99	>= 0.60	PASS																								
Q, Blue	1.00	>= 0.60	PASS																								
LED Signal Lights																											
Q, Red	0.99	>= 0.80	PASS																								
Q, Yellow	1.00	>= 0.60	PASS																								
Q, Green	1.00	>= 0.60	PASS																								
Q, Blue	1.00	>= 0.60	PASS																								
Tmin (475 - 650nm)	87.82%	>= 17.78% (0.2Tv)	PASS																								
Tsuvb (315 - 380nm)	0.10%	<= 88.91% (Tv)	PASS																								
Tsuvb (280 - 315nm)	0.06%	<= 4.45% (0.05Tv)	PASS																								
Tsuv (280 - 380nm)	0.08%																										
Tsb (380 - 500nm)	82.45%																										
Standard: AS/NZS 1067:2003 (A1:2009)																											
Item	Value	Requirement	Result																								
Lens Category	0																										
Luminous Transmittance Tv	88.90%	80% - 100%	PASS																								
Q, Red	1.00	>= 0.80	PASS																								
Q, Yellow	1.00	>= 0.80	PASS																								
Q, Green	0.99	>= 0.60	PASS																								
Q, Blue	1.00	>= 0.70	PASS																								
Tmean (280 - 315nm)	0.06%	<= 4.45% (0.05Tv)	PASS																								
Tmean (315 - 350nm)	0.09%	<= 88.90% (Tv)	PASS																								
Tmin (450 - 650nm)	87.82%	>= 17.78% (0.2Tv)	PASS																								
Tsuvb (315 - 400nm)	0.13%	<= 88.90% (Tv)	PASS																								
Tsuvb (280 - 315nm)	0.06%																										
Tsuv (280 - 400nm)	0.10%																										
Tsb (400 - 500nm)	82.71%																										
CIE 1976 L*, a*, b* color space coordinates, illuminant D65 L* = 95.5 a* = 7.18 b* = 7.28																											
Spectrum Data:																											
nm	%T	nm	%T																								
280 0.052	290 0.059	300 0.059	310 0.056																								
320 0.083	330 0.084	340 0.127	350 0.097																								
360 0.081	370 0.091	380 0.097	390 0.097																								
400 0.441	410 18.182	420 67.353	430 85.256																								
440 88.907	450 89.446	460 89.582	470 89.748																								
480 90.123	490 90.327	500 90.238	510 89.661																								
520 88.901	530 88.214	540 87.895	550 87.895																								
560 88.408	570 88.041	580 89.663	590 89.895																								
600 89.667	610 89.276	620 88.963	630 88.576																								
640 88.308	650 88.535	660 88.926	670 88.926																								
680 89.548	690 90.215	700 90.893	710 91.455																								
720 91.990	730 92.236	740 92.296	750 92.055																								
760 91.745	770 91.367	780 91.066																									
<table> <tr> <td>(1). ANSI Z80.3:2010</td><td>PASS</td><td>Lens Primary Function</td><td>Cosmetic Lens</td></tr> <tr> <td>(2). EN 1836:2005 (A1:2007)</td><td>PASS</td><td>Filter Category</td><td>0</td></tr> <tr> <td>(3). EN ISO 12312-1:2013</td><td>PASS</td><td>Filter Category</td><td>0</td></tr> <tr> <td>(4). AS/NZS 1067:2003 (A1:2009)</td><td>PASS</td><td>Lens Category</td><td>0</td></tr> <tr> <td>(5). UV380</td><td>PASS</td><td></td><td></td></tr> <tr> <td>UV400</td><td>PASS</td><td></td><td></td></tr> </table>				(1). ANSI Z80.3:2010	PASS	Lens Primary Function	Cosmetic Lens	(2). EN 1836:2005 (A1:2007)	PASS	Filter Category	0	(3). EN ISO 12312-1:2013	PASS	Filter Category	0	(4). AS/NZS 1067:2003 (A1:2009)	PASS	Lens Category	0	(5). UV380	PASS			UV400	PASS		
(1). ANSI Z80.3:2010	PASS	Lens Primary Function	Cosmetic Lens																								
(2). EN 1836:2005 (A1:2007)	PASS	Filter Category	0																								
(3). EN ISO 12312-1:2013	PASS	Filter Category	0																								
(4). AS/NZS 1067:2003 (A1:2009)	PASS	Lens Category	0																								
(5). UV380	PASS																										
UV400	PASS																										




ANNEX -4-


MARKING EXAMPLE

A schematic of possible product marking layouts (not depicted as actual size) appear below. These will be printed onto, embossed into or affixed to the frame of the sunglasses.

- The year of manufacture, manufacturer's identification, performance category and CE mark
- Manufacturer's brand web site address, product name and country of origin

© 2022 Indian Motorcycle International, LLC Cat. No.3  10-2021

www.indianmotorcycle.com Arizona Made in Taiwan

© 2022 Indian Motorcycle International, LLC Cat. No.0  10-2021

www.indianmotorcycle.com Getaway Made in Taiwan

ANNEX -5-

Checklist of conformity of the product against the Essential Health and Safety Requirements of Personal Protective Equipment Regulation (EU)2016/425

EHSR Clause No.	Description	Sections of this technical file
1.1.1.	Ergonomics	The sunglasses have been designed to be light and comfortable to wear and feature materials and components suitable to these objectives.
1.1.2.	Levels and classes of protection	See Annex 3.
1.1.2.1.	Highest level of protection possible	See Annex 3. Providing higher levels of protection could compromise ergonomic performance or visual acuity in the proposed circumstances of use.
1.1.2.2.	Classes of protection appropriate to different levels of risk	See 1.1.2.1, above.
1.2.1.	Absence of risks and other 'inherent' nuisance factors	Plasticizer, BPA(Bisphenol A) and heavy Metal... etc. (EX: polycarbonate frame, lens and temple)
1.2.1.1.	Satisfactory surface condition of all PPE parts in contact with the user	See 1.2.1.
1.2.1.2	The design ensures there are no rough edges or other factors which might render the sunglasses	Pass

1.2.1.3.	Maximum permissible user impediment	The level of tint of selected for the lenses is considered to be the optimum for protection of the wearer's eyes from sunlight, without detriment to vision and in particular enabling accurate colour recognition.
1.3.1.	Adaptation of PPE to user morphology	Advice is given in the manufacturer's information (see Annex 1).
1.3.2	Lightness and design strength	See 1.1.1 and test report in Annex 3.
1.4	Information supplied by the manufacturer	See Annex 1.
2.3	PPE for the face, eyes and respiratory tracts	The shape of the frame and lenses, the level of colour tint and the application of an anti-fog coating all contribute to ensuring the user's field of vision is optimized.
2.4	PPE subject to ageing	Advice is given in the manufacturer's information (see Annex 1)
2.12	PPE bearing one or more identification or recognition marks directly or indirectly	Advice is given in the manufacturer's information (see Annex 1). See also Annex 4.
3.3	Protection against physical injury (abrasion, perforation, cuts, bites)	See test report in Annex 3.

ANNEX -6-

Risk assessment chart for the sunglasses

Significant Hazard	Nature of Risk	Risk Rating RR				Mitigation to harm provided by PPE	Projected residual harm
		Likelihood	Severity	RR = L x S			
		L	S	RR	L / M / H		
Protection from ultraviolet (UVA / UVB) light	Damage to eyelid, cornea, lens, macula and retina; photokeratitis cataracts.	5	5	25	H	H	L
Protection from reflected ultraviolet (UVA / UVB) light (“glare”)	Damage to eyelid, cornea, lens, macula and retina; photokeratitis, cataracts.	5	5	25	H	H	L
Protection from direct sunlight	Catastrophic and irreparable retinal damage	5	5	25	L	L	H
Improper use or modification to PPE	Miscellaneous optical injuries	< 1	Various	Various	L	M	L
Low probability incidents (e.g. “freak accidents”)	Miscellaneous optical injuries	< 1	Various	Various	Various	Various	Various