Test Report

Report No.	:	AGC03778250405-003S1

SAMPLE NAME	:	Sunglasses with mirrored lenses
MODEL NAME	:	MO8652-03
APPLICANT	:	MID OCEAN BRANDS B.V.
STANDARD(S)	:	Please refer to the following page(s).
DATE OF ISSUE	:	May 19, 2025

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.

Applicant	:	MID OCEAN BRANDS B.V.
Address	:	7/F. Kings Tower , 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

Report on the submitted sample(s) said to be:

Sample Name	:	Sunglasses with mirrored lenses
Material		Plastic
Model	:	MO8652-03
Vendor Code	:	101191
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Cat. No.	:	Cat.3
Filter Type	:	Uniform Lenses
Frame Color	:	White/Grey
Lenses Color	:	Mirror Grey
Age Grading	:	Adults
Sample Received Date	:	Apr. 29, 2025
Testing Period	:	Apr. 29, 2025 to May 19, 2025
Test Requested	:	Selected test(s) as requested by client.

Test Requested:	**Conclusion**
ISO 12312-1: 2022 Eye and face protection — Sunglasses and related eyewear - Part 1: Sunglasses for general use	Pass
UV400 (In-house test, non- accredited test item and test method refer to attached pages for details)	Pass

Approved by:

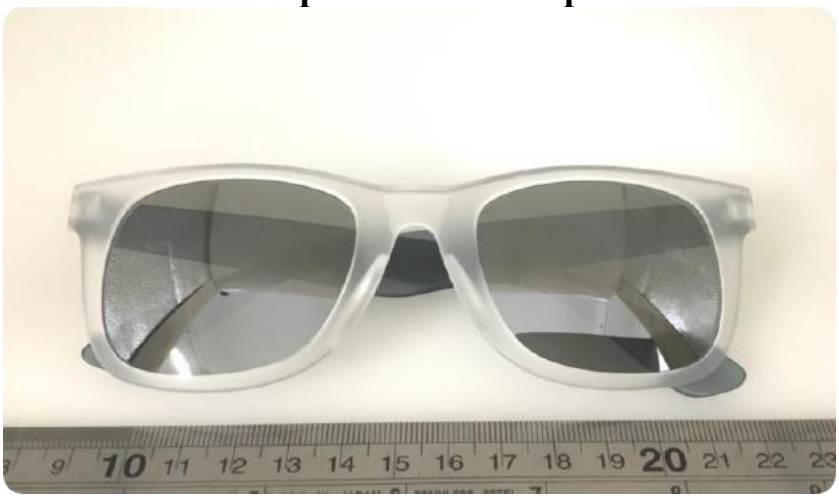
Suhongliang, Leon

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	May 09, 2025	Invalid	Initial release
S1	May 19, 2025	Valid	Modify test result

The photo of the sample



The photo of AGC03778250405-003S1 is for use only with the original report.

Test Point Description

Test point	Test point description
3	Sunglasses

Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

Tests Conducted Summary

Note: #1 The applicant's attention was drawn that the manufacturer should not use the frame materials which are known to cause irritation, allergic or toxic reaction during wear in a normal state of health against significant proportion of users. Sunglasses shall be designed, manufactured and packaged in such way that, when used under normal conditions, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the sunglasses that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limit of any applicable regulatory requirement.

Special attention shall be given to substances that are allergenic, carcinogenic, mutagenic or toxic to reproduction. Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the sunglasses that, when the sunglasses are used under normal conditions, the health (and safety) of the wearer shall not be compromised.

The following are examples of documents that represent the appropriate information: a) specification of the material(s);

b) safety data sheets relating to the materials;

c) information relating to the suitability of the materials for use in medical devices, or other relevant applications;

d) information relating to toxicological, allergenic, carcinogenic, toxic to reproduction, or mutagenic investigations on the materials.

Tests Conducted Summary

REQUIREMENTS (According to ISO 12312-1)				TESTING	RESULTS
Test item(s)			According to Clause	According to Clause	
Construction and materials	Construction		4.1	ISO 18526-3:2020, 6.1	P
	Filter material and surface quality		4.2	ISO 18526-3:2020, 6.6	P
	Physiological compatibility (only test Nickel release, refer to EN 16128 standard)		4.3	EN 16128:2015	NA
	Head forms	For adult's sunglasses: 1-M	4.4	ISO 18526-4	P
		For children's: 1-C6 or 1-C12			NA
Transmittance	Transmittance and filter categories	Filter categories	5.2	ISO 18526-2:2020, 7	Cat.3
		UV requirements			P
		Enhanced infrared absorption (If claim)			NA

Tests Conducted Summary

REQUIREMENTS (According to ISO 12312-1)				TESTING	RESULTS
Test item(s)			According to Clause	According to Clause	
General transmittance requirements	Uniformity of luminous transmittance		5.3.1	ISO 18526-2:2020, 7	P
	Requirements for road use and driving	Filter categories	5.3.2.1	ISO 18526-2:2020, 7	P
		Spectral transmittance	5.3.2.1	ISO 18526-2:2020, 7	P
		Detection of signal lights	5.3.2.1	ISO 18526-2:2020, 11	P
		Road use (including driving) in twilight or at night	5.3.2.2	ISO 18526-2:2020, 16.3.2	NA
	Wide angle scattering		5.3.3	ISO 18526-2:2020, 14.1	P
Additional transmittance requirements for specific filter types	Photochromic filters		5.3.4.1	ISO 18526-2:2020, 16.	NA
	Polarizing filters		5.3.4.2	ISO 18526-2:2020, 15	NA
	Gradient filters		5.3.4.3	ISO 18526-2:2020, 7	NA
	Electro-optical sun glare filter, electro-optical sunglass filter	General	5.3.4.4.1	ISO 18526-2:2020, 17.11 and Annex E.	NA
		Default mode	5.3.4.4.2	--	NA
		Reaction time	5.3.4.4.3	ISO 18526-2:2020, 17.11	NA
		Photosensitive seizures	5.3.4.4.4	--	NA
		Combined uniformity and angular dependence of luminous transmittance	5.3.4.4.5	ISO 18526-2:2020	NA
		Narrow angle scatter	5.3.4.4.6	ISO 18526-2:2020, 14.2	NA
Claimed transmittance properties	Blue-light absorption/transmittance		5.3.5.1	ISO 18526-2:2020, 7	NA
	UV absorption/transmittance		5.3.5.2	ISO 18526-2:2020, 7	NA
	Antireflective coated sunglasses		5.3.5.3	ISO 18526-2:2020,13	NA
	Reduced reflection coated sunglasses		5.3.5.4	ISO 18526-2:2020,13	NA
	Enhanced infrared absorption		5.3.5.5	ISO 18526-2:2020, 7	NA

Tests Conducted Summary

REQUIREMENTS (According to ISO 12312-1)			TESTING	RESULTS
Test item(s)		According to Clause	According to Clause	
Refractive power	Spherical and astigmatic power	6.1	ISO 18526-1:2020, 6.1	P
	Spatial deviation(If during the measurements spherical and astigmatic power, a doubling or other aberration of the image is observed)	6.2	ISO 18526-1:2020, 6.3	NA
	Prism imbalance (relative prism error)	6.3	ISO 18526-2:2020, 6.2	P
Robustness	Minimum robustness of filters(remark: this test is not necessary if the sunglasses meet 7.3 or 7.6)	7.1	ISO 18526-3:2020, 7.2.1	P
	Frame deformation and retention of filters	7.2	ISO 12311, 6	P
	Impact resistance of sunglasses, strength level 1 (optional specification)	7.3	ISO 18526-3:2020, 7.3.1	NA
	Increased endurance of sunglasses (optional specification)	7.4	ISO 12311, 9.7	NA
	Resistance to perspiration(optional specification)	7.5	ISO 12311, 9.10	NA
	Impact resistance of sunglasses, strength level 2 (optional specification)	7.6	ISO 18526-3:2020, 7.3.1	NA
	Impact resistance of sunglasses, strength level 3 (optional specification)	7.6	ISO 18526-3:2020, 7.3.2	NA
Resistance to solar radiation		8	ISO 18526-3:2020, 6.8.2	P
Resistance to ignition		9	ISO 18526-3:2020, 6.10	P
Resistance to abrasion (Optional specification)		10	ISO 8980-5	NA
Protective requirements	Coverage area	11.1	--	P
	Temporal protective requirements(Apply for Cat.4)	11.2	--	NA
Information and labeling	Information to be supplied with each pair of sunglasses	12.1	--	P
	Additional information	12.2	--	

Remark: Test result Clause 7.1 was resubmitted sample on May 13, 2025.

P=Pass; F=Fail; NA=Not Applicable; NR=Not Require; X=Checked; Cat.=Category;

τv =luminous transmittance

Construction — Clause 4.1 and Filter material and surface quality — Clause 4.2

Sample No.	Defects				Comment	Result
	Construction		Filter Material and Surface Quality			
	Observed	Absent	Observed	Absent		
3		X		X	--	P

Requirements:

1.Construction: Areas of the sunglass, including the frame and, if in a rimless or semi-rimless style, the edges of the filters, that may come into contact with the wearer during intended use shall be smooth and without sharp projections.

2.Filter material and surface quality: Except in a marginal area 5 mm wide, sunglass filters shall have no material or machining defects within an area of 30 mm diameter centred on the reference point that could impair vision, e.g. bubbles, scratches, inclusions, dull spots, pitting, mould marks, notches, reinforced areas, specks, beads, water specks, pock marks, gas inclusions, splintering, cracks, polishing defects or undulations. If this 5 mm wide portion around the edge of the test sample intrudes into this circular area, then this intrusion shall be excluded from testing.

Transmittance and filter categories — Clause 5.2

Sample No.: 3

Test Items	Requirements	Left	Right	Result
τ_V (380~780)nm (%)	For Cat. 0: 80.0~100	15.8	15.5	P
	For Cat. 1: 43.0~80.0			
	For Cat. 2: 18.0~43.0			
	For Cat. 3: 8.0~18.0			
	For Cat. 4: 3.0~8.0			
Filter Cat.	Claimed: Cat.3	Cat.3	Cat.3	
τ_{SUVB} (280~315)nm (%)	☐ For Cat. 0,1: ≦0.05$\tau_{V\ D65}$ ☐ For Cat. 2: 1.0% absolute or 0.05$\tau_{V D65}$ whichever is greater; ☒ For Cat. 3, 4:1.0% absolute	0.0	0.0	P
τ_{SUVA} (315~380)nm (%)	☐ For Cat. 0,1: ≦$\tau_{V\ D65}$; ☒ For Cat. 2, 3:≦0.5$\tau_{V\ D65}$ ☐ For Cat. 4:1.0% absolute or 0.25$\tau_{V\ D65}$ whichever is greater;	0.0	0.0	P
τ_{Sb} (380~500)nm (%)	---	12.4	12.1	Only Ref.

Measurement Uncertainty (if necessary):

Uniformity of luminous transmittance — Clause 5.3.1

Sample No.: 3				
Test Items	**Requirements**	**Left**	**Right**	**Result**
Difference within filter (%) (relative to higher value)	The relative difference in the luminous transmittance value: ☒ For Cat. 0, 1, 2, 3: ≦15% ☐ For Cat. 4: ≦20%	2.5	6.1	P
Difference with mounted filters (relative to higher value)	The relative difference between the luminous transmittance value of the visual center for right and left eye: ☐ For gradient-tinted filters: ≦20% ☒ For all other types: ≦15%	1.9		P

Measurement Uncertainty (if necessary):

Requirements for road use and driving — Clause 5.3.2

Sample No.: 3				
Test Items	**Requirements**	**Left**	**Right**	**Result**
Categories	Filters suitable for road use and driving shall be categories 0, 1, 2 or 3	Cat.3	Cat.3	P
Spectral transmittance (475~650)nm (%)	$\geqq 0.2\tau v_{D65}$	$0.91\tau v_{D65}$	$0.91\tau v_{D65}$	P
Red Signal	≧0.80	1.11	1.12	P
Yellow Signal	≧0.60	1.02	1.02	P
Green Signal	≧0.60	1.00	0.99	P
Blue Signal	≧0.60	1.05	1.05	P
Road use (including driving) in twilight or at night (%)	≧75.0	15.8	15.5	NA

Measurement Uncertainty (if necessary):

Wide angle scattering — Clause 5.3.3

Sample No.	Wide Angle Scattering (%)		Result
	Left	Right	
3	1.7	1.7	P
Requirements: At the reference point, the wide-angle scatter of the filters in the condition as supplied by the manufacturer shall not exceed the value of 3 %.			

Measurement Uncertainty (if necessary):

Spherical and Astigmatic Power— Clause 6.1

Sample No.: 3				
Test Items	**Requirements**	**Left**	**Right**	**Result**
Spherical Power (D)	± 0.12D	-0.02	-0.02	P
	The difference between the spherical powers shall not exceed 0.18 D	0.0		P
Astigmatic Power (D)	≦0.12D	0.00	0.00	P

Measurement Uncertainty (if necessary):

Prism imbalance (relative prism error) — Clause 6.3

Sample No.	Requirements		Measured (cm/m)	Result
3	Horizontal	☐ Base Out:＜1.00cm/m	0.03	P
		☒ Base In:＜0.25cm/m		
	Vertical	＜0.25 cm/m	0.19	P

Measurement Uncertainty (if necessary):

Minimum robustness of filters — Clause 7.1

Sample No.	Defects		Comment	Result
	Observed	Absent		
3		X	--	P

Requirements:

None of the following defects shall appear on filters :

a. Filter fracture;
b. Filter deformation;

Note:

1. For clip-ons neither a) nor b) are applicable.
2. This test is not necessary if the sunglasses meet Impact resistance of sunglasses, strength level 1, or level 2, or Level 3.

Remark: Test result Clause 7.1 was resubmitted sample on May 13, 2025.

Frame deformation and retention of filters —Clause 7.2

Sample No.	Boxed Center Distance, C (mm)	Residual Deformation X (mm)	Deformation Percentage Φ(%)	Structure		Lens Retention		Result
				Pass	Fail	Pass	Fail	
3	74.36	0.33	0.4	X		X		P

Requirements:

1. Be permanently deformed from its original configuration by not more than 2% of the distance C,. Deformation percentage, Φ; Calculation: Φ (%)=X/C*100
2. No fracture or crack at any point;
3. No filter shall be displaced from the frame.

Measurement Uncertainty (if necessary):

Resistance to Radiation — Clause 8

Test Items	Requirements	Left	Right	Result
Sample No.: 3				
Relative change of luminous transmittance(%)	☐ For Cat. 0:±3%; ☐ For Cat. 1:＜±5% ☐ For Cat. 2: ±8% ☒ ForCat.3&4:±10%	2.5	2.6	P
Wide angle scattering (%)	After exposure, the value of wide angle scattering shall not exceed the limit value of 3%	1.7	1.9	P
τ_{SUVB} (280~315)nm (%)	☐ For Cat. 0,1: ≦0.05τv_{D65} ☐ For Cat. 2: 1.0% absolute or 0.05τv_{D65} whichever is greater. ☒ For Cat. 3, 4:1.0% absolute	0.0	0.0	P
τ_{SUVA} (315~380)nm (%)	☐ For Cat. 0,1: ≦τv_{D65}; ☒ For Cat. 2, 3:≦0.5τv_{D65} ☐ For Cat. 4:1.0% absolute or 0.25τv_{D65} whichever is greater;	0.0	0.0	P

Measurement Uncertainty (if necessary):

Ignition — Clause 9

Sample No.	Continued Combustion		Comment	Result
	Yes	No		
3		X	--	P
Requirements: The filters and frame shall be no continued combustion after withdrawal of the test rod.				

Coverage area — Clause 11.1

Sample No.: 3					
Test items	**Requirement**		**Left**	**Right**	**Result**
Cover two ellipses	Sunglasses shall cover two ellipses, and symmetrically placed on each side of the centre of the bridge of the frame:		Meet	Meet	P
	☒For Adults': -horizontal diameter: (40±1)mm -vertical diameter: (28±1) mm	☐For Children': -horizontal diameter: (34±1)mm -vertical diameter: (24±1) mm			
*Prevent UV radiation	τ_{SUVB} (280~315)nm (%)	☐For Cat. 0,1:≦0.05$\tau_{V\ D65}$ ☐For Cat. 2:1.0% absolute or 0.05$\tau_{V\ D65}$ whichever is greater ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
	τ_{SUVA} (315~380)nm (%)	☐For Cat. 0,1: ≦$\tau_{V\ D65}$; ☒For Cat. 2, 3: ≦0.5$\tau_{V\ D65}$ ☐For Cat. 4:1.0% absolute or 0.25$\tau_{V\ D65}$ whichever is greater;	0.0	0.0	P
Note: 1. Adults' headform: ☒1-M, PD=64mm ☐As defined by the headform utilized, PD=( )mm 2. Children's headform: ☐1-C6, PD= 52 mm ☐1-C12, PD=58mm.					

Measurement Uncertainty (if necessary):

Remark: *Prevent UV radiation measured point: Any point within specified two elliptical regions.

- UV400 (In-house test, non- accredited test item)

Assessment was made against a level of 100% UV protection, in which the spectral transmittance was examined within a range of 280nm - 400nm.

Sample No.	**Wavelength (nm)**	**Maximum Spectral transmittance (%)**		**Result**
		Left	**Right**	
3	280-400	0.5	0.5	P
Requirements: Maximum spectral transmittance shall not exceed 0.5%.				

Measurement Uncertainty (if necessary):

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***

Test Report

Report No.	:	AGC03778250405-002S1

SAMPLE NAME	:	Sunglasses with mirrored lenses
MODEL NAME	:	MO8652-04
APPLICANT	:	MID OCEAN BRANDS B.V.
STANDARD(S)	:	Please refer to the following page(s).
DATE OF ISSUE	:	May 19, 2025

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.

Applicant	:	MID OCEAN BRANDS B.V.
Address	:	7/F. Kings Tower , 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

Report on the submitted sample(s) said to be:

Sample Name	:	Sunglasses with mirrored lenses
Material		Plastic
Model	:	MO8652-04
Vendor Code	:	101191
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Cat. No.	:	Cat.3
Filter Type	:	Uniform Lenses
Frame Color	:	White/Blue
Lenses Color	:	Mirror Blue
Age Grading	:	Adults
Sample Received Date	:	Apr. 29, 2025
Testing Period	:	Apr. 29, 2025 to May 19, 2025
Test Requested	:	Selected test(s) as requested by client.

Test Requested:	**Conclusion**
ISO 12312-1: 2022 Eye and face protection — Sunglasses and related eyewear - Part 1: Sunglasses for general use	Pass
UV400 (In-house test, non- accredited test item and test method refer to attached pages for details)	Pass

Approved by:

Suhongliang, Leon

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	May 09, 2025	Invalid	Initial release
S1	May 19, 2025	Valid	Modify test result

The photo of the sample

The photo of AGC03778250405-002S1 is for use only with the original report.

Test Point Description

Test point	Test point description
2	Sunglasses

Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

Tests Conducted Summary

Note: #1 The applicant's attention was drawn that the manufacturer should not use the frame materials which are known to cause irritation, allergic or toxic reaction during wear in a normal state of health against significant proportion of users. Sunglasses shall be designed, manufactured and packaged in such way that, when used under normal conditions, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the sunglasses that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limit of any applicable regulatory requirement.

Special attention shall be given to substances that are allergenic, carcinogenic, mutagenic or toxic to reproduction. Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the sunglasses that, when the sunglasses are used under normal conditions, the health (and safety) of the wearer shall not be compromised.

The following are examples of documents that represent the appropriate information: a) specification of the material(s);

b) safety data sheets relating to the materials;

c) information relating to the suitability of the materials for use in medical devices, or other relevant applications;

d) information relating to toxicological, allergenic, carcinogenic, toxic to reproduction, or mutagenic investigations on the materials.

Tests Conducted Summary

REQUIREMENTS (According to ISO 12312-1)				TESTING	RESULTS
Test item(s)			According to Clause	According to Clause	
Construction and materials	Construction		4.1	ISO 18526-3:2020, 6.1	P
	Filter material and surface quality		4.2	ISO 18526-3:2020, 6.6	P
	Physiological compatibility (only test Nickel release, refer to EN 16128 standard)		4.3	EN 16128:2015	NA
	Head forms	For adult's sunglasses: 1-M	4.4	ISO 18526-4	P
		For children's: 1-C6 or 1-C12			NA
Transmittance	Transmittance and filter categories	Filter categories	5.2	ISO 18526-2:2020, 7	Cat.3
		UV requirements			P
		Enhanced infrared absorption (If claim)			NA

Tests Conducted Summary

REQUIREMENTS (According to ISO 12312-1)				TESTING	RESULTS
Test item(s)			According to Clause	According to Clause	
General transmittance requirements	Uniformity of luminous transmittance		5.3.1	ISO 18526-2:2020, 7	P
	Requirements for road use and driving	Filter categories	5.3.2.1	ISO 18526-2:2020, 7	P
		Spectral transmittance	5.3.2.1	ISO 18526-2:2020, 7	P
		Detection of signal lights	5.3.2.1	ISO 18526-2:2020, 11	P
		Road use (including driving) in twilight or at night	5.3.2.2	ISO 18526-2:2020, 16.3.2	NA
	Wide angle scattering		5.3.3	ISO 18526-2:2020, 14.1	P
Additional transmittance requirements for specific filter types	Photochromic filters		5.3.4.1	ISO 18526-2:2020, 16.	NA
	Polarizing filters		5.3.4.2	ISO 18526-2:2020, 15	NA
	Gradient filters		5.3.4.3	ISO 18526-2:2020, 7	NA
	Electro-optical sun glare filter, electro-optical sunglass filter	General	5.3.4.4.1	ISO 18526-2:2020, 17.11 and Annex E.	NA
		Default mode	5.3.4.4.2	--	NA
		Reaction time	5.3.4.4.3	ISO 18526-2:2020, 17.11	NA
		Photosensitive seizures	5.3.4.4.4	--	NA
		Combined uniformity and angular dependence of luminous transmittance	5.3.4.4.5	ISO 18526-2:2020	NA
		Narrow angle scatter	5.3.4.4.6	ISO 18526-2:2020, 14.2	NA
Claimed transmittance properties	Blue-light absorption/transmittance		5.3.5.1	ISO 18526-2:2020, 7	NA
	UV absorption/transmittance		5.3.5.2	ISO 18526-2:2020, 7	NA
	Antireflective coated sunglasses		5.3.5.3	ISO 18526-2:2020,13	NA
	Reduced reflection coated sunglasses		5.3.5.4	ISO 18526-2:2020,13	NA
	Enhanced infrared absorption		5.3.5.5	ISO 18526-2:2020, 7	NA

Tests Conducted Summary

REQUIREMENTS (According to ISO 12312-1)			TESTING	RESULTS
Test item(s)		According to Clause	According to Clause	
Refractive power	Spherical and astigmatic power	6.1	ISO 18526-1:2020, 6.1	P
	Spatial deviation(If during the measurements spherical and astigmatic power, a doubling or other aberration of the image is observed)	6.2	ISO 18526-1:2020, 6.3	NA
	Prism imbalance (relative prism error)	6.3	ISO 18526-2:2020, 6.2	P
Robustness	Minimum robustness of filters(remark: this test is not necessary if the sunglasses meet 7.3 or 7.6)	7.1	ISO 18526-3:2020, 7.2.1	P
	Frame deformation and retention of filters	7.2	ISO 12311, 6	P
	Impact resistance of sunglasses, strength level 1 (optional specification)	7.3	ISO 18526-3:2020, 7.3.1	NA
	Increased endurance of sunglasses (optional specification)	7.4	ISO 12311, 9.7	NA
	Resistance to perspiration(optional specification)	7.5	ISO 12311, 9.10	NA
	Impact resistance of sunglasses, strength level 2 (optional specification)	7.6	ISO 18526-3:2020, 7.3.1	NA
	Impact resistance of sunglasses, strength level 3 (optional specification)	7.6	ISO 18526-3:2020, 7.3.2	NA
Resistance to solar radiation		8	ISO 18526-3:2020, 6.8.2	P
Resistance to ignition		9	ISO 18526-3:2020, 6.10	P
Resistance to abrasion (Optional specification)		10	ISO 8980-5	NA
Protective requirements	Coverage area	11.1	--	P
	Temporal protective requirements(Apply for Cat.4)	11.2	--	NA
Information and labeling	Information to be supplied with each pair of sunglasses	12.1	--	P
	Additional information	12.2	--	

Remark: Test result Clause 7.1 was resubmitted sample on May 13, 2025.

P=Pass; F=Fail; NA=Not Applicable; NR=Not Require; X=Checked; Cat.=Category;

τv =luminous transmittance

Construction — Clause 4.1 and Filter material and surface quality — Clause 4.2

Sample No.	Defects				Comment	Result
	Construction		Filter Material and Surface Quality			
	Observed	Absent	Observed	Absent		
2		X		X	--	P

Requirements:

1.Construction: Areas of the sunglass, including the frame and, if in a rimless or semi-rimless style, the edges of the filters, that may come into contact with the wearer during intended use shall be smooth and without sharp projections.

2.Filter material and surface quality: Except in a marginal area 5 mm wide, sunglass filters shall have no material or machining defects within an area of 30 mm diameter centred on the reference point that could impair vision, e.g. bubbles, scratches, inclusions, dull spots, pitting, mould marks, notches, reinforced areas, specks, beads, water specks, pock marks, gas inclusions, splintering, cracks, polishing defects or undulations. If this 5 mm wide portion around the edge of the test sample intrudes into this circular area, then this intrusion shall be excluded from testing.

Transmittance and filter categories — Clause 5.2

Sample No.: 2

Test Items	Requirements	Left	Right	Result
τ_V (380~780)nm (%)	For Cat. 0: 80.0~100 For Cat. 1: 43.0~80.0 For Cat. 2: 18.0~43.0 For Cat. 3: 8.0~18.0 For Cat. 4: 3.0~8.0	15.8	14.9	P
Filter Cat.	Claimed: Cat.3	Cat.3	Cat.3	
τ_{SUVB} (280~315)nm (%)	☐ For Cat. 0,1: ≦0.05$\tau_{V\ D65}$ ☐ For Cat. 2: 1.0% absolute or 0.05$\tau_{V D65}$ whichever is greater; ☒ For Cat. 3, 4:1.0% absolute	0.0	0.0	P
τ_{SUVA} (315~380)nm (%)	☐ For Cat. 0,1: ≦$\tau_{V\ D65}$; ☒ For Cat. 2, 3:≦0.5$\tau_{V\ D65}$ ☐ For Cat. 4:1.0% absolute or 0.25$\tau_{V\ D65}$ whichever is greater;	0.0	0.0	P
τ_{Sb} (380~500)nm (%)	---	10.1	9.6	Only Ref.

Measurement Uncertainty (if necessary):

Uniformity of luminous transmittance — Clause 5.3.1

Sample No.: 2				
Test Items	**Requirements**	**Left**	**Right**	**Result**
Difference within filter (%) (relative to higher value)	The relative difference in the luminous transmittance value: ☒ For Cat. 0, 1, 2, 3: ≦15% ☐ For Cat. 4: ≦20%	5.4	3.2	P
Difference with mounted filters (relative to higher value)	The relative difference between the luminous transmittance value of the visual center for right and left eye: ☐ For gradient-tinted filters: ≦20% ☒ For all other types: ≦15%	5.7		P

Measurement Uncertainty (if necessary):

Requirements for road use and driving — Clause 5.3.2

Sample No.: 2				
Test Items	**Requirements**	**Left**	**Right**	**Result**
Categories	Filters suitable for road use and driving shall be categories 0, 1, 2 or 3	Cat.3	Cat.3	P
Spectral transmittance (475~650)nm (%)	$\geqq 0.2\tau_{V\ D65}$	$0.94\tau_{V\ D65}$	$0.93\tau_{V\ D65}$	P
Red Signal	≧0.80	1.17	1.17	P
Yellow Signal	≧0.60	1.06	1.06	P
Green Signal	≧0.60	0.97	0.98	P
Blue Signal	≧0.60	1.00	1.01	P
Road use (including driving) in twilight or at night (%)	≧75.0	15.8	14.9	NA

Measurement Uncertainty (if necessary):

Wide angle scattering — Clause 5.3.3

Sample No.	Wide Angle Scattering (%)		Result
	Left	Right	
2	1.1	1.2	P

Requirements:
At the reference point, the wide-angle scatter of the filters in the condition as supplied by the manufacturer shall not exceed the value of 3 %.

Measurement Uncertainty (if necessary):

Spherical and Astigmatic Power— Clause 6.1

Sample No.: 2

Test Items	Requirements	Left	Right	Result
Spherical Power (D)	± 0.12D	-0.01	-0.04	P
	The difference between the spherical powers shall not exceed 0.18 D	0.03		P
Astigmatic Power (D)	≦0.12D	0.00	0.00	P

Measurement Uncertainty (if necessary):

Prism imbalance (relative prism error) — Clause 6.3

Sample No.	Requirements		Measured (cm/m)	Result
2	Horizontal	☒ Base Out:＜1.00cm/m	0.05	P
		☐ Base In:＜0.25cm/m		
	Vertical	＜0.25 cm/m	0.12	P

Measurement Uncertainty (if necessary):

Minimum robustness of filters — Clause 7.1

Sample No.	Defects		Comment	Result
	Observed	Absent		
2		X	--	P

Requirements:

None of the following defects shall appear on filters :

a. Filter fracture;
b. Filter deformation;

Note:

1. For clip-ons neither a) nor b) are applicable.
2. This test is not necessary if the sunglasses meet Impact resistance of sunglasses, strength level 1, or level 2, or Level 3.

Remark: Test result Clause 7.1 was resubmitted sample on May 13, 2025.

Frame deformation and retention of filters —Clause 7.2

Sample No.	Boxed Center Distance, C (mm)	Residual Deformation *X* (mm)	Deformation Percentage Φ(%)	Structure		Lens Retention		Result
				Pass	Fail	Pass	Fail	
2	74.52	0.50	0.7	X		X		P

Requirements:

1. Be permanently deformed from its original configuration by not more than 2% of the distance C,. Deformation percentage, Φ; Calculation: Φ (%)=X/C*100
2. No fracture or crack at any point;
3. No filter shall be displaced from the frame.

Measurement Uncertainty (if necessary):

Resistance to Radiation — Clause 8

Test Items	Requirements	Left	Right	Result
Sample No.: 2				
Relative change of luminous transmittance(%)	☐ For Cat. 0:±3%; ☐ For Cat. 1:＜±5% ☐ For Cat. 2: ±8% ☒ ForCat.3&4:±10%	-0.6	-1.3	P
Wide angle scattering (%)	After exposure, the value of wide angle scattering shall not exceed the limit value of 3%	1.3	1.3	P
τ_{SUVB} (280~315)nm (%)	☐ For Cat. 0,1: ≦0.05τv_{D65} ☐ For Cat. 2: 1.0% absolute or 0.05τv_{D65} whichever is greater. ☒ For Cat. 3, 4:1.0% absolute	0.0	0.0	P
τ_{SUVA} (315~380)nm (%)	☐ For Cat. 0,1: ≦τv_{D65}; ☒ For Cat. 2, 3:≦0.5τv_{D65} ☐ For Cat. 4:1.0% absolute or 0.25τv_{D65} whichever is greater;	0.0	0.0	P

Measurement Uncertainty (if necessary):

Ignition — Clause 9

Sample No.	Continued Combustion		Comment	Result
	Yes	No		
2		X	--	P
Requirements: The filters and frame shall be no continued combustion after withdrawal of the test rod.				

Coverage area — Clause 11.1

Sample No.: 2					
Test items	**Requirement**		**Left**	**Right**	**Result**
Cover two ellipses	Sunglasses shall cover two ellipses, and symmetrically placed on each side of the centre of the bridge of the frame:		Meet	Meet	P
	☒For Adults': -horizontal diameter: (40±1)mm -vertical diameter: (28±1) mm	☐For Children': -horizontal diameter: (34±1)mm -vertical diameter: (24±1) mm			
*Prevent UV radiation	τ_{SUVB} (280~315)nm (%)	☐For Cat. 0,1:≦0.05$\tau_{V\ D65}$ ☐For Cat. 2:1.0% absolute or 0.05$\tau_{V\ D65}$ whichever is greater ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
	τ_{SUVA} (315~380)nm (%)	☐For Cat. 0,1: ≦$\tau_{V\ D65}$; ☒For Cat. 2, 3: ≦0.5$\tau_{V\ D65}$ ☐For Cat. 4:1.0% absolute or 0.25$\tau_{V\ D65}$ whichever is greater;	0.0	0.0	P
Note: 1. Adults' headform: ☒1-M, PD=64mm ☐As defined by the headform utilized, PD=( )mm 2. Children's headform: ☐1-C6, PD= 52 mm ☐1-C12, PD=58mm.					

Measurement Uncertainty (if necessary):

Remark: *Prevent UV radiation measured point: Any point within specified two elliptical regions.

- UV400 (In-house test, non- accredited test item)

Assessment was made against a level of 100% UV protection, in which the spectral transmittance was examined within a range of 280nm - 400nm.

Sample No.	**Wavelength (nm)**	**Maximum Spectral transmittance (%)**		**Result**
		Left	**Right**	
2	280-400	0.0	0.0	P
Requirements: Maximum spectral transmittance shall not exceed 0.5%.				

Measurement Uncertainty (if necessary):

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***

Test Report

Report No. :	AGC03778241201-002

SAMPLE NAME	:	Sunglasses with mirrored lenses
MODEL NAME	:	MO8652-05
APPLICANT	:	MID OCEAN BRANDS B.V.
STANDARD(S)	:	Please refer to the following page(s).
DATE OF ISSUE	:	Jan. 02, 2025

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.

Applicant	:	MID OCEAN BRANDS B.V.
Address	:	7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

Report on the submitted sample(s) said to be:

Sample Name	:	Sunglasses with mirrored lenses
Model	:	MO8652-05
Vendor code	:	101191
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Sample Received Date	:	Dec. 25, 2024
Testing Period	:	Dec. 25, 2024 to Jan. 02, 2025
Test Requested	:	Selected test(s) as requested by client.

Test Requested:	**Conclusion**
- EN ISO 12312-1: 2022 Eye and face protection — Sunglasses and related eyewear Part 1: Sunglasses for general use exclude: Clause 12 Information and labeling	*Pass
-UV400 (In-house test, and test method refer to attached pages for details)	Pass

*The test results were given base on filter categories cat.3.

Approved by:

Suhongliang, Leon

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Jan. 02, 2025	Valid	Initial release

The photo of the sample

The photo of AGC03778241201-002 is for use only with the original report.

Test Point Description

Test point	Test point description
1	Sunglasses with mirrored lenses

Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

Note: #1 The applicant's attention was drawn that the manufacturer should not use the frame materials which are known to cause irritation, allergic or toxic reaction during wear in a normal state of health against significant proportion of users. Sunglasses shall be designed, manufactured and packaged in such way that, when used under normal conditions, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the sunglasses that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limit of any applicable regulatory requirement. Special attention shall be given to substances that are allergenic, carcinogenic, mutagenic or toxic to reproduction.Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the sunglasses that, when the sunglasses are used under normal conditions, the health (and safety) of the wearer shall not be compromised.

The following are examples of documents that represent the appropriate information:

a) specification of the material(s);

b) safety data sheets relating to the materials;

c) information relating to the suitability of the materials for use in medical devices, or other relevant applications;

d) information relating to toxicological, allergenic, c

REQUIREMENTS (According to ISO 12312-1)				TESTING	RESULT
Test item(s)			According to Clause	According to Clause	
Construction and materials	Construction		4.1	ISO 18526-3:2020, 6.1	P
	Filter material and surface quality		4.2	ISO 18526-3:2020, 6.6	P
	Physiological compatibility (only test Nickel release, refer to EN 16128 standard)		4.3	EN 16128:2015	NA
	Head forms	For adult's sunglasses: 1-M	4.4	ISO 18526-4	P
		For children's: 1-C6 or 1-C12			NA
Transmittance	Transmittance and filter categories	Filter categories	5.2	ISO 18526-2:2020, 7	Cat.3
		UV requirements			P
		Enhanced infrared absorption (If claim)			NA

REQUIREMENTS (According to ISO 12312-1)					TESTING	RESULT
Test item(s)				According to Clause	According to Clause	
General transmittance requirements	Uniformity of luminous transmittance			5.3.1	ISO 18526-2:2020, 7	P
	Requirements for road use and driving	Filter categories		5.3.2.1	ISO 18526-2:2020, 7	P
		Spectral transmittance		5.3.2.1	ISO 18526-2:2020, 7	P
		Detection of signal lights		5.3.2.1	ISO 18526-2:2020, 11	P
		Road use (including driving) in twilight or at night		5.3.2.2	ISO 18526-2:2020, 16.3.2	NA
	Wide angle scattering			5.3.3	ISO 18526-2:2020, 14.1	P
	Additional transmittance requirements for specific filter types	Photochromic filters		5.3.4.1	ISO 18526-2:2020, 16.	NA
		Polarizing filters		5.3.4.2	ISO 18526-2:2020, 15	NA
		Gradient filters		5.3.4.3	ISO 18526-2:2020, 7	NA
		Electro-optical sun glare filter, electro-optical sunglass filter	General	5.3.4.4.1	ISO 18526-2:2020, 17.11 and Annex E.	NA
			Default mode	5.3.4.4.2	--	NA
			Reaction time	5.3.4.4.3	ISO 18526-2:2020, 17.1	NA
			Photosensitive seizures	5.3.4.4.4	--	NA
			Combined uniformity and angular dependence of luminous transmittance	5.3.4.4.5	ISO 18526-2:2020	NA
			Narrow angle scatter	5.3.4.4.6	ISO 18526-2:2020, 14.2	NA
Claimed transmittance properties	Blue-light absorption/transmittance			5.3.5.1	ISO 18526-2:2020, 7	NA
	UV absorption/transmittance			5.3.5.2	ISO 18526-2:2020, 7	NA
	Antireflective coated sunglasses			5.3.5.3	ISO 18526-2:2020,13	NA
	Reduced reflection coated sunglasses			5.3.5.4	ISO 18526-2:2020,13	NA
	Enhanced infrared absorption			5.3.5.5	ISO 18526-2:2020, 7	NA

REQUIREMENTS (According to ISO 12312-1)			TESTING	RESULT
Test item(s)		According to Clause	According to Clause	
Refractive power	Spherical and astigmatic power	6.1	ISO 18526-1:2020, 6.1	P
	Spatial deviation(If during the measurements spherical and astigmatic power, a doubling or other aberration of the image is observed)	6.2	ISO 18526-1:2020, 6.3	NA
	Prism imbalance (relative prism error)	6.3	ISO 18526-2:2020, 6.2	P
Robustness	Minimum robustness of filters(remark: this test is not necessary if the sunglasses meet 7.3 or 7.6)	7.1	ISO 18526-3:2020, 7.2.1	P
	Frame deformation and retention of filters	7.2	ISO 12311, 6	P
	Impact resistance of sunglasses, strength level 1 (optional specification)	7.3	ISO 18526-3:2020, 7.3.1	NA
	Increased endurance of sunglasses (optional specification)	7.4	ISO 12311, 9.7	NA
	Resistance to perspiration(optional specification)	7.5	ISO 12311, 9.10	NA
	Impact resistance of sunglasses, strength level 2 (optional specification)	7.6	ISO 18526-3:2020, 7.3.1	NA
	Impact resistance of sunglasses, strength level 3 (optional specification)	7.6	ISO 18526-3:2020, 7.3.2	NA
Resistance to solar radiation		8	ISO 18526-3:2020, 6.8.2	P
Resistance to ignition		9	ISO 18526-3:2020, 6.10	P
Resistance to abrasion (Optional specification)		10	ISO 8980-5	NA
Protective requirements	Coverage area	11.1	--	P
	Temporal protective requirements(Apply for Cat.4)	11.2	--	NA
Information and labeling	Information to be supplied with each pair of sunglasses	12.1	--	NR
	Additional information	12.2	--	NR

Remark: P = Pass; F = Fail; NA = Not Applicable; NR=Not require; X=checked; Cat.=Category;

τ_V =luminous transmittance

1. Test Results

Construction — Clause 4.1 and Filter material and surface quality — Clause 4.2

Sample No.	Defects				Comment	Result(s)
	Construction		Filter Material and Surface Quality			
	Observed	Absent	Observed	Absent		
1		X		X	--	P

Requirements:

1. Construction: Areas of the sunglass, including the frame and, if in a rimless or semi-rimless style, the edges of the filters, that may come into contact with the wearer during intended use shall be smooth and without sharp projections.
2. Filter material and surface quality: Except in a marginal area 5 mm wide, sunglass filters shall have no material or machining defects within an area of 30 mm diameter centred on the reference point that could impair vision,e.g. bubbles, scratches, inclusions, dull spots, pitting, mould marks, notches, reinforced areas, specks, beads, water specks, pock marks, gas inclusions, splintering, cracks, polishing defects or undulations. If this 5 mm wide portion around the edge of the test sample intrudes into this circular area, then this intrusion shall be excluded from testing.

Transmittance and filter categories — Clause 5.2

Sample No.: 1

Test Items	Requirements	Left	Right	Result(s)
τ_V (380~780)nm (%)	For Cat. 0: 80.0~100	11.9	13.2	Cat.3
	For Cat. 1: 43.0~80.0			
	For Cat. 2: 18.0~43.0			
	For Cat. 3: 8.0~18.0			
	For Cat. 4: 3.0~8.0			
Filter Cat	Claimed: Not Provided	Cat.3	Cat.3	
τ_{SUVB}(280~315)nm (%)	☐For Cat. 0,1:≤0.05$\tau_{V_{D65}}$ ☐For Cat. 2:1.0% absolute or 0.05$\tau_{V_{D65}}$ whichever is greater; ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
τ_{SUVA}(315~380)nm (%)	☐For Cat. 0, 1: ≤$\tau_{V_{D65}}$; ☒For Cat. 2, 3: ≤0.5$\tau_{V_{D65}}$ ☐For Cat. 4:1.0% absolute or 0.25$\tau_{V_{D65}}$ whichever is greater	0.0	0.0	P

Measurement Uncertainty (if necessary):

Uniformity of luminous transmittance —Clause 5.3.1

Sample No.: 1				
Test Items	**Requirements**	**Left**	**Right**	**Result(s)**
Difference within filter (%) (relative to higher value)	The relative difference in the luminous transmittance value: ☒For Cat. 0, 1, 2, 3: ≤15% ☐For Cat. 4: ≤20%	2.5	2.9	P
Difference with mounted filters (relative to higher value)(%)	The relative difference between the luminous transmittance value of the visual center for right and left eye : ☐For gradient-tinted filters: ≦ 20% ☒ For all other types: ≦15%	9.8		P

Measurement Uncertainty (if necessary):

Requirements for road use and driving — Clause 5.3.2

Sample No.: 1				
Test Items	**Requirements**	**Left**	**Right**	**Result(s)**
Categories	Filters suitable for road use and driving shall be of categories 0, 1, 2 or 3.	Cat.3	Cat.3	P
Spectral transmittance (475~650)nm (%)	$\geq 0.2\tau v_{D65}$	0.86_{65}	0.83_{65}	P
Red Signal	≥0.80	0.98	0.93	P
Yellow Signal	≥0.60	0.97	0.94	P
Green Signal	≥0.60	1.04	1.06	P
Blue Signal	≥0.60	1.05	1.07	P
Road use (including driving) in twilight or at night (%)	≥75.0	11.9	13.2	NA

Measurement Uncertainty (if necessary):

Wide angle scattering — Clause 5.3.3

Sample No.	Wide Angle Scattering (%)		Result(s)
	Left	Right	
1	1.6	1.7	P

Requirements:

At the reference point, the wide-angle scatter of the filters in the condition as supplied by the manufacturer shall not exceed the value of 3 %.

Measurement Uncertainty (if necessary):

Spherical and astigmatic power— Clause 6.1

Sample No.:1				
Test Items	**Requirements**	**Left**	**Right**	**Result(s)**
Spherical Power (D)	± 0.12D	0.03	0.03	P
	The difference between the spherical powers shall not exceed 0.18 D;	0.00		P
Astigmatic Power (D)	≤0.12D	0.00	0.00	P

Measurement Uncertainty (if necessary):

Prism imbalance (Relative prism error) — Clause 6.3

Sample No.	Requirements		Prism imbalance(cm/m)	Result
1	Horizontal	☒Base Out: <1.00 cm/m	0.04	P
		☐Base In: <0.25 cm/m		
	Vertical	<0.25 cm/m	0.02	

Measurement Uncertainty (if necessary):

Minimum robustness of filters — Clause 7.1

Sample No.	Defects		Comment	Result(s)
	Observed	Absent		
1		X	--	P

Requirements:

None of the following defects shall appear on filters :

1. Filter fracture;
2. Filter deformation;

Note:

1. For clip-ons neither a) nor b) are applicable.
2. This test is not necessary if the sunglasses meet Impact resistance of sunglasses, strength level 1, or level 2, or Level 3.

Frame deformation and retention of filters — Clause 7.2

Sample No.	Boxed Center Distance C (mm)	Residual Deformation *X* (mm)	Deformation Percentage Φ (%)	Structure		Lens Retention		Result(s)
				Pass	Fail	Pass	Fail	
1	73.44	0.00	0.0	X		X		P

Requirements:

1. Be permanently deformed from its original configuration by not more than 2% of the distance C,. Deformation percentage Φ; Calculation: Φ(%) ＝X/C*100
2. No fracture or crack at any point;
3. No filter shall be displaced from the frame.

Measurement Uncertainty (if necessary):

Resistance to Radiation — Clause 8

Sample No.: 1

Test Items	Requirements	Left	Right	Result(s)
The relative change of luminous transmittance(%)	☐For Cat.0: ＜±3% ☐For Cat.1: ＜±5% ☐ For Cat.2: ＜±8% ☒ For Cat.3&4: ＜±10%	0.8	1.5	P
Wide angle scattering(%)	After exposure, the value of wide angle scattering shall not exceed the limit value of 3%;	1.7	1.7	P
τ_{SUVB} (280~315)nm(%)	☐For Cat. 0,1:≤0.05τv_{D65} ☐For Cat. 2:1.0% absolute or 0.05τv_{D65} whichever is greater; ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
τ_{SUVA} (315~380)nm(%)	☐For Cat. 0, 1: ≤τv_{D65}; ☒For Cat. 2, 3: ≤0.5τv_{D65} ☐For Cat. 4:1.0% absolute or 0.25τv_{D65} whichever is greater	0.0	0.0	P

Measurement Uncertainty (if necessary):

Ignition — Clause 9

Sample No.	Continued Combustion		Comment	Result(s)
	Yes	No		
1		X	--	P

Requirements:

The filters and frame shall be no continued combustion after withdrawal of the test rod.

Coverage area — Clause 11.1

Sample No.: 1

Test	Requirement		Left	Right	Result
Cover two ellipses	Sunglasses shall cover two ellipses, and symmetrically placed on each side of the centre of the bridge of the frame:		Meet	Meet	P
	☒For Adults': - horizontal diameter: (40±1)mm - vertical diameter: (28±1) mm	☐For Children': - horizontal diameter: (34±1)mm - vertical diameter: (24±1) mm			
*Prevent UVradiation	τ_{SUVB} (280~315) nm (%)	☐For Cat. 0,1: ≦0.05τv $_{D65}$ ☐For Cat. 2:1.0% absolute or 0.05τv $_{D65}$ whichever is greater ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
	τ_{SUVA} (315~380) nm (%)	☐For Cat. 0,1: ≦τv $_{D65}$ ☒ For Cat. 2,3: ≦0.5τv $_{D65}$ ☐For Cat. 4:1.0% absolute or 0.25τv $_{D65}$ whichever is greater;	0.0	0.0	P

Note: 1. Adults' headform: ☒1-M, PD=64mm ☐As defined by the headform utilized, PD=( )mm

2. Children's headform: ☐1-C6, PD= 52 mm ☐1-C12, PD=58mm.

Measurement Uncertainty (if necessary):

Remark: *Prevent UV radiation measured point: Any point within specified two elliptical regions.

UV400 (In-house test, non- accredited test item)

Assessment was made against a level of 100% UV protection, in which the spectral transmittance was examined within a range of 280nm - 400nm.

Sample Number	Wavelength (nm)	Maximum Spectral transmittance (%)		Result
		Left	Right	
1	280-400	0.0	0.0	P
Requirements: Maximum spectral transmittance shall not exceed 0.5%.				

Measurement Uncertainty (if necessary):

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***

Test Report

Report No.	:	AGC03778241201-003S3

SAMPLE NAME	:	Sunglasses with mirrored lenses
MODEL NAME	:	MO8652-10
APPLICANT	:	MID OCEAN BRANDS B.V.
STANDARD(S)	:	Please refer to the following page(s).
DATE OF ISSUE	:	May 19, 2025

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.

Applicant	:	MID OCEAN BRANDS B.V.
Address	:	7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

Report on the submitted sample(s) said to be:

Sample Name	:	Sunglasses with mirrored lenses
Model	:	MO8652-10
Vendor code	:	101191
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Sample Received Date	:	Apr 29, 2025
Testing Period	:	Apr 29, 2025 to May 16, 2025
Test Requested	:	Selected test(s) as requested by client.

Test Requested:	**Conclusion**
- ISO 12312-1: 2022 Eye and face protection — Sunglasses and related eyewear Part 1: Sunglasses for general use exclude	Pass
-UV400 (In-house test, and test method refer to attached pages for details)	Pass

Approved by:

Suhongliang, Leon

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Jan. 03, 2025	Invalid	Initial release
S1	May 09, 2025	Invalid	Retest
S2	May 16, 2025	Invalid	Retest
S3	May 19, 2025	Valid	Modification of test requested

The photo of the sample

The photo of AGC03778241201-003S3 is for use only with the original report.

Test Point Description

Test point	Test point description
2	Sunglasses with mirrored lenses

Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

Note: #1 The applicant's attention was drawn that the manufacturer should not use the frame materials which are known to cause irritation, allergic or toxic reaction during wear in a normal state of health against significant proportion of users. Sunglasses shall be designed, manufactured and packaged in such way that, when used under normal conditions, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the sunglasses that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limit of any applicable regulatory requirement.
Special attention shall be given to substances that are allergenic, carcinogenic, mutagenic or toxic to reproduction.
Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.
Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the sunglasses that, when the sunglasses are used under normal conditions, the health (and safety) of the wearer shall not be compromised.
The following are examples of documents that represent the appropriate information:
a) specification of the material(s);
b) safety data sheets relating to the materials;
c) information relating to the suitability of the materials for use in medical devices, or other relevant applications;
d) information relating to toxicological, allergenic, carcinogenic, toxic to reproduction, or mutagenic investigations on the materials.

REQUIREMENTS (According to ISO 12312-1)				TESTING	RESULTS
Test item(s)			According to Clause	According to Clause	
Construction and materials	Construction		4.1	ISO 18526-3:2020, 6.1	P
	Filter material and surface quality		4.2	ISO 18526-3:2020, 6.6	P
	Physiological compatibility (only test Nickel release, refer to EN 16128 standard)		4.3	EN 16128:2015	NA
	Head forms	For adult's sunglasses: 1-M	4.4	ISO 18526-4	P
		For children's: 1-C6 or 1-C12			NA
Transmittance	Transmittance and filter categories	Filter categories	5.2	ISO 18526-2:2020, 7	Cat.3
		UV requirements			P
		Enhanced infrared absorption (If claim)			NA

REQUIREMENTS (According to ISO 12312-1)				TESTING	RESULTS
Test item(s)			According to Clause	According to Clause	
General transmittance requirements	Uniformity of luminous transmittance		5.3.1	ISO 18526-2:2020, 7	P
	Requirements for road use and driving	Filter categories	5.3.2.1	ISO 18526-2:2020, 7	P
		Spectral transmittance	5.3.2.1	ISO 18526-2:2020, 7	P
		Detection of signal lights	5.3.2.1	ISO 18526-2:2020, 11	P
		Road use (including driving) in twilight or at night	5.3.2.2	ISO 18526-2:2020, 16.3.2	NA
	Wide angle scattering		5.3.3	ISO 18526-2:2020, 14.1	P
Additional transmittance requirements for specific filter types	Photochromic filters		5.3.4.1	ISO 18526-2:2020, 16.	NA
	Polarizing filters		5.3.4.2	ISO 18526-2:2020, 15	NA
	Gradient filters		5.3.4.3	ISO 18526-2:2020, 7	NA
	Electro-optical sun glare filter, electro-optical sunglass filter	General	5.3.4.4.1	ISO 18526-2:2020, 17.11 and Annex E.	NA
		Default mode	5.3.4.4.2	--	NA
		Reaction time	5.3.4.4.3	ISO 18526-2:2020, 17.11	NA
		Photosensitive seizures	5.3.4.4.4	--	NA
		Combined uniformity and angula dependence of luminous transmittance	5.3.4.4.5	ISO 18526-2:2020	NA
		Narrow angle scatter	5.3.4.4.6	ISO 18526-2:2020, 14.2	NA
Claimed transmittance properties	Blue-light absorption/transmittance		5.3.5.1	ISO 18526-2:2020, 7	NA
	UV absorption/transmittance		5.3.5.2	ISO 18526-2:2020, 7	NA
	Antireflective coated sunglasses		5.3.5.3	ISO 18526-2:2020,13	NA
	Reduced reflection coated sunglasses		5.3.5.4	ISO 18526-2:2020,13	NA
	Enhanced infrared absorption		5.3.5.5	ISO 18526-2:2020, 7	NA

REQUIREMENTS (According to ISO 12312-1)			TESTING	RESULTS
Test item(s)		According to Clause	According to Clause	
Refractive power	Spherical and astigmatic power	6.1	ISO 18526-1:2020, 6.1	P
	Spatial deviation(If during the measurements spherical and astigmatic power, a doubling or other aberration of the image is observed)	6.2	ISO 18526-1:2020, 6.3	NA
	Prism imbalance (relative prism error)	6.3	ISO 18526-2:2020, 6.2	P
Robustness	Minimum robustness of filters(remark: this test is not necessary if the sunglasses meet 7.3 or 7.6)	7.1	ISO 18526-3:2020, 7.2.1	P
	Frame deformation and retention of filters	7.2	ISO 12311, 6	P
	Impact resistance of sunglasses, strength level 1 (optional specification)	7.3	ISO 18526-3:2020, 7.3.1	NA
	Increased endurance of sunglasses (optional specification)	7.4	ISO 12311, 9.7	NA
	Resistance to perspiration(optional specification)	7.5	ISO 12311, 9.10	NA
	Impact resistance of sunglasses, strength level 2 (optional specification)	7.6	ISO 18526-3:2020, 7.3.1	NA
	Impact resistance of sunglasses, strength level 3 (optional specification)	7.6	ISO 18526-3:2020, 7.3.2	NA
Resistance to solar radiation		8	ISO 18526-3:2020, 6.8.2	P
Resistance to ignition		9	ISO 18526-3:2020, 6.10	P
Resistance to abrasion (Optional specification)		10	ISO 8980-5	NA
Protective requirements	Coverage area	11.1	--	P
	Temporal protective requirements(Apply for Cat.4)	11.2	--	NA
Information and labeling	Information to be supplied with each pair of sunglasses	12.1	--	P
	Additional information	12.2	--	

Remark: Test result Clause 7.1 was resubmitted sample on May 13, 2025.

P = Pass; F = Fail; NA = Not Applicable; NR=Not require; X=checked; Cat.=Category;

τ_V =luminous transmittance

Test Results

Construction — Clause 4.1 and Filter material and surface quality — Clause 4.2

Sample No.	Defects				Comment	Result
	Construction		Filter Material and Surface Quality			
	Observed	Absent	Observed	Absent		
2		X		X	--	P

Requirements:

1. Construction: Areas of the sunglass, including the frame and, if in a rimless or semi-rimless style, the edges of the filters, that may come into contact with the wearer during intended use shall be smooth and without sharp projections.
2. Filter material and surface quality: Except in a marginal area 5 mm wide, sunglass filters shall have no material or machining defects within an area of 30 mm diameter centred on the reference point that could impair vision, e.g. bubbles, scratches, inclusions, dull spots, pitting, mould marks, notches, reinforced areas, specks, beads, water specks, pock marks, gas inclusions, splintering, cracks, polishing defects or undulations. If this 5 mm wide portion around the edge of the test sample intrudes into this circular area, then this intrusion shall be excluded from testing.

Transmittance and filter categories — Clause 5.2

Sample No.: 2

Test Items	Requirements	Left	Right	Result
τ_v (380~780)nm (%)	For Cat. 0: 80.0~100 For Cat. 1: 43.0~80.0 For Cat. 2: 18.0~43.0 For Cat. 3: 8.0~18.0 For Cat. 4: 3.0~8.0	13.6	13.1	Cat.3
Filter Cat.	Claimed: Not Provided	Cat.3	Cat.3	
τ_{SUVB} (280~315)nm (%)	☐For Cat. 0,1: ≦0.05τv_{D65} ☐For Cat. 2: 1.0% absolute or 0.05τv_{D65} whichever is greater; ☒For Cat. 3, 4:1.0% absolute	0.0	0.0	P
τ_{SUVA} (315~380)nm (%)	☐For Cat. 0,1: ≦τv_{D65}; ☒For Cat. 2, 3:≦0.5τv_{D65} ☐For Cat. 4:1.0% absolute or 0.25τv_{D65} whichever is greater;	0.0	0.0	P
τ_{Sb} (380~500)nm (%)	---	9.9	9.7	Only Ref.

Measurement Uncertainty (if necessary):

Uniformity of luminous transmittance — Clause 5.3.1

Sample No.: 2				
Test Items	**Requirements**	**Left**	**Right**	**Result**
Difference within filter (%) (relative to higher value)	The relative difference in the luminous transmittance value: ☒For Cat. 0, 1, 2, 3: ≦15% ☐For Cat. 4:≦20%	3.5	4.4	P
Difference with mounted filters (%) (relative to higher value)	The relative difference between the luminous transmittance value of the visual center for right and left eye: ☐For gradient-tinted filters: ≦20% ☒For all other types:≦15%	3.7		P

Measurement Uncertainty (if necessary):

Requirements for road use and driving — Clause 5.3.2

Sample No.: 2				
Test Items	**Requirements**	**Left**	**Right**	**Result**
Categories	Filters suitable for road use and driving shall be categories 0, 1, 2 or 3	Cat.3	Cat.3	P
Spectral transmittance (475~650)nm (%)	≧0.2$\tau_{V\ D65}$	0.86$\tau_{V\ D65}$	0.86$\tau_{V\ D65}$	P
Red Signal	≧0.80	1.02	1.02	P
Yellow Signal	≧0.60	0.97	0.97	P
Green Signal	≧0.60	1.03	1.03	P
Blue Signal	≧0.60	1.08	1.08	P
Road use (including driving) in twilight or at night (%)	≧75.0	13.6	13.1	NA

Measurement Uncertainty (if necessary):

Wide angle scattering — Clause 5.3.3

Sample No.	**Wide Angle Scattering (%)**		**Result**
	Left	**Right**	
2	1.8	1.7	P

Requirements:
At the reference point, the wide-angle scatter of the filters in the condition as supplied by the manufacturer shall not exceed the value of 3 %.

Measurement Uncertainty (if necessary):

Spherical and Astigmatic Power— Clause 6.1

Sample No.: 2				
Test Items	**Requirements**	**Left**	**Right**	**Result**
Spherical Power (D)	± 0.12D	0.02	0.06	P
	The difference between the spherical powers shall not exceed 0.18 D	0.04		P
Astigmatic Power (D)	≦0.12D	0.00	0.00	P

Measurement Uncertainty (if necessary):

Prism imbalance (relative prism error) — Clause 6.3

Sample No.	**Requirements**		**Measured (cm/m)**	**Result**
2	Horizontal	☒Base Out:＜1.00cm/m	0.05	P
		☐Base In:＜0.25cm/m		
	Vertical	＜0.25 cm/m	0.03	P

Measurement Uncertainty (if necessary):

Minimum robustness of filters — Clause 7.1

Sample No.	**Defects**		**Comment**	**Result**
	Observed	**Absent**		
2		X	--	P

Requirements:

None of the following defects shall appear on filters :

1. Filter fracture;
2. Filter deformation;

Note:

1. For clip-ons neither a) nor b) are applicable.
2. This test is not necessary if the sunglasses meet Impact resistance of sunglasses, strength level 1, or level 2, or Level 3.

Remark: Test result Clause 7.1 was resubmitted sample on May 13, 2025.

Frame deformation and retention of filters —Clause 7.2

Sample No.	Boxed Center Distance, C (mm)	Residual Deformation *X* (mm)	Deformation Percentage Φ(%)	Structure		Lens Retention		Result
				Pass	Fail	Pass	Fail	
2	73.44	0.00	0.0	X		X		P

Requirements:

1. Be permanently deformed from its original configuration by not more than 2% of the distance C,. Deformation percentage, Φ; Calculation: Φ (%)=X/C*100
2. No fracture or crack at any point;
3. No filter shall be displaced from the frame.

Measurement Uncertainty (if necessary):

Resistance to Radiation — Clause 8

Sample No.: 2

Test Items	Requirements	Left	Right	Result
Relative change of luminous transmittance (%)	☐For Cat. 0:±3%; ☐For Cat. 1:＜±5% ☐For Cat. 2: ±8% ☒ For Cat. 3&4:±10%	1.5	0.8	P
Wide angle scattering (%)	After exposure, the value of wide angle scattering shall not exceed the limit value of 3%	1.9	1.8	P
τ_{SUVB} (280~315)nm (%)	☐For Cat. 0,1: ≦0.05τv_{D65} ☐For Cat. 2: 1.0% absolute or 0.05τv_{D65} whichever is greater; ☒ For Cat. 3, 4:1.0% absolute	0.0	0.0	P
τ_{SUVA} (315~380)nm (%)	☐For Cat. 0,1: ≦τv_{D65} ; ☒ For Cat. 2, 3:≦0.5τv_{D65} ☐For Cat. 4:1.0% absolute or 0.25τv_{D65} whichever is greater;	0.0	0.0	P

Measurement Uncertainty (if necessary):

Ignition — Clause 9

Sample No.	Continued Combustion		Comment	Result
	Yes	No		
2		X	--	P

Requirements:

The filters and frame shall be no continued combustion after withdrawal of the test rod.

Coverage area — Clause 11.1

Sample No.: 2				
Test items	**Requirement**	**Left**	**Right**	**Result**
Cover two ellipses	Sunglasses shall cover two ellipses, and symmetrically placed on each side of the centre of the bridge of the frame: ☒For Adults': - horizontal diameter: (40±1)mm - vertical diameter: (28±1) mm ☐For Children': - horizontal diameter: (34±1)mm - vertical diameter: (24±1) mm	Meet	Meet	P
*Prevent UV radiation	τSUVB (280~315) nm (%) ☐For Cat. 0,1:≦0.05τv $_{D65}$ ☐For Cat. 2:1.0% absolute or 0.05τv $_{D65}$ whichever is greater ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
	τSUVA (315~380) nm (%) ☐For Cat. 0,1: ≦τv $_{D65}$; ☒For Cat. 2, 3: ≦ 0.5τv $_{D65}$ ☐For Cat. 4:1.0% absolute or 0.25τv $_{D65}$ whichever is greater;	0.0	0.0	P
Note: 1. Adults' headform: ☒1-M, PD=64mm ☐As defined by the headform utilized, PD=( )mm 2. Children's headform: ☐1-C6, PD= 52 mm ☐1-C12, PD=58mm.				

Measurement Uncertainty (if necessary):

Remark: *Prevent UV radiation measured point: Any point within specified two elliptical regions.

2.UV400 (In-house test, non- accredited test item)

Assessment was made against a level of 100% UV protection, in which the spectral transmittance was examined within a range of 280nm - 400nm

Sample No.	**Wavelength (nm)**	**Maximum Spectral transmittance (%)**		**Result**
		Left	**Right**	
2	280-400	0.0	0.0	P
Requirements: Maximum spectral transmittance shall not exceed 0.5%.				

Measurement Uncertainty (if necessary):

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***

Test Report

Report No.	:	AGC03778241201-004

SAMPLE NAME	:	Sunglasses with mirrored lenses
MODEL NAME	:	MO8652-22
APPLICANT	:	MID OCEAN BRANDS B.V.
STANDARD(S)	:	Please refer to the following page(s).
DATE OF ISSUE	:	Jan. 02, 2025

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.

Applicant	:	MID OCEAN BRANDS B.V.
Address	:	7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

Report on the submitted sample(s) said to be:

Sample Name	:	Sunglasses with mirrored lenses
Model	:	MO8652-22
Vendor code	:	101191
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Sample Received Date	:	Dec. 25, 2024
Testing Period	:	Dec. 25, 2024 to Jan. 02, 2025
Test Requested	:	Selected test(s) as requested by client.

Test Requested:	**Conclusion**
- EN ISO 12312-1: 2022 Eye and face protection — Sunglasses and related eyewear Part 1: Sunglasses for general use exclude: Clause 12 Information and labeling	*Pass
-UV400 (In-house test, and test method refer to attached pages for details)	Pass

*The test results were given base on filter categories cat.3.

Approved by:

Suhongliang, Leon

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Jan. 02, 2025	Valid	Initial release

The photo of the sample

The photo of AGC03778241201-004 is for use only with the original report.

Test Point Description

Test point	Test point description
3	Sunglasses with mirrored lenses

Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

Note: #1 The applicant's attention was drawn that the manufacturer should not use the frame materials which are known to cause irritation, allergic or toxic reaction during wear in a normal state of health against significant proportion of users. Sunglasses shall be designed, manufactured and packaged in such way that, when used under normal conditions, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the sunglasses that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limit of any applicable regulatory requirement. Special attention shall be given to substances that are allergenic, carcinogenic, mutagenic or toxic to reproduction.Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the sunglasses that, when the sunglasses are used under normal conditions, the health (and safety) of the wearer shall not be compromised.

The following are examples of documents that represent the appropriate information:

a) specification of the material(s);

b) safety data sheets relating to the materials;

c) information relating to the suitability of the materials for use in medical devices, or other relevant applications;

d) information relating to toxicological, allergenic, c

REQUIREMENTS (According to ISO 12312-1)				TESTING	RESULT
Test item(s)			According to Clause	According to Clause	
Construction and materials	Construction		4.1	ISO 18526-3:2020, 6.1	P
	Filter material and surface quality		4.2	ISO 18526-3:2020, 6.6	P
	Physiological compatibility (only test Nickel release, refer to EN 16128 standard)		4.3	EN 16128:2015	NA
	Head forms	For adult's sunglasses: 1-M	4.4	ISO 18526-4	P
		For children's: 1-C6 or 1-C12			NA
Transmittance	Transmittance and filter categories	Filter categories	5.2	ISO 18526-2:2020, 7	Cat.3
		UV requirements			P
		Enhanced infrared absorption (If claim)			NA

REQUIREMENTS (According to ISO 12312-1)					TESTING	RESULT
Test item(s)				According to Clause	According to Clause	
General transmittance requirements	Uniformity of luminous transmittance			5.3.1	ISO 18526-2:2020, 7	P
	Requirements for road use and driving	Filter categories		5.3.2.1	ISO 18526-2:2020, 7	P
		Spectral transmittance		5.3.2.1	ISO 18526-2:2020, 7	P
		Detection of signal lights		5.3.2.1	ISO 18526-2:2020, 11	P
		Road use (including driving) in twilight or at night		5.3.2.2	ISO 18526-2:2020, 16.3.2	NA
	Wide angle scattering			5.3.3	ISO 18526-2:2020, 14.1	P
	Additional transmittance requirements for specific filter types	Photochromic filters		5.3.4.1	ISO 18526-2:2020, 16.	NA
		Polarizing filters		5.3.4.2	ISO 18526-2:2020, 15	NA
		Gradient filters		5.3.4.3	ISO 18526-2:2020, 7	NA
		Electro-optical sun glare filter, electro-optical sunglass filter	General	5.3.4.4.1	ISO 18526-2:2020, 17.11 and Annex E.	NA
			Default mode	5.3.4.4.2	--	NA
			Reaction time	5.3.4.4.3	ISO 18526-2:2020, 17.1	NA
			Photosensitive seizures	5.3.4.4.4	--	NA
			Combined uniformity and angular dependence of luminous transmittance	5.3.4.4.5	ISO 18526-2:2020	NA
			Narrow angle scatter	5.3.4.4.6	ISO 18526-2:2020, 14.2	NA
Claimed transmittance properties	Blue-light absorption/transmittance			5.3.5.1	ISO 18526-2:2020, 7	NA
	UV absorption/transmittance			5.3.5.2	ISO 18526-2:2020, 7	NA
	Antireflective coated sunglasses			5.3.5.3	ISO 18526-2:2020,13	NA
	Reduced reflection coated sunglasses			5.3.5.4	ISO 18526-2:2020,13	NA
	Enhanced infrared absorption			5.3.5.5	ISO 18526-2:2020, 7	NA

REQUIREMENTS (According to ISO 12312-1)			TESTING	RESULT
Test item(s)		According to Clause	According to Clause	
Refractive power	Spherical and astigmatic power	6.1	ISO 18526-1:2020, 6.1	P
	Spatial deviation(If during the measurements spherical and astigmatic power, a doubling or other aberration of the image is observed)	6.2	ISO 18526-1:2020, 6.3	NA
	Prism imbalance (relative prism error)	6.3	ISO 18526-2:2020, 6.2	P
Robustness	Minimum robustness of filters(remark: this test is not necessary if the sunglasses meet 7.3 or 7.6)	7.1	ISO 18526-3:2020, 7.2.1	P
	Frame deformation and retention of filters	7.2	ISO 12311, 6	P
	Impact resistance of sunglasses, strength level 1 (optional specification)	7.3	ISO 18526-3:2020, 7.3.1	NA
	Increased endurance of sunglasses (optional specification)	7.4	ISO 12311, 9.7	NA
	Resistance to perspiration(optional specification)	7.5	ISO 12311, 9.10	NA
	Impact resistance of sunglasses, strength level 2 (optional specification)	7.6	ISO 18526-3:2020, 7.3.1	NA
	Impact resistance of sunglasses, strength level 3 (optional specification)	7.6	ISO 18526-3:2020, 7.3.2	NA
Resistance to solar radiation		8	ISO 18526-3:2020, 6.8.2	P
Resistance to ignition		9	ISO 18526-3:2020, 6.10	P
Resistance to abrasion (Optional specification)		10	ISO 8980-5	NA
Protective requirements	Coverage area	11.1	--	P
	Temporal protective requirements(Apply for Cat.4)	11.2	--	NA
Information and labeling	Information to be supplied with each pair of sunglasses	12.1	--	NR
	Additional information	12.2	--	NR

Remark: P = Pass; F = Fail; NA = Not Applicable; NR=Not require; X=checked; Cat.=Category;

τ_V =luminous transmittance

1. Test Results

Construction — Clause 4.1 and Filter material and surface quality — Clause 4.2

Sample No.	Defects				Comment	Result(s)
	Construction		Filter Material and Surface Quality			
	Observed	Absent	Observed	Absent		
3		X		X	--	P

Requirements:

1. Construction: Areas of the sunglass, including the frame and, if in a rimless or semi-rimless style, the edges of the filters, that may come into contact with the wearer during intended use shall be smooth and without sharp projections.
2. Filter material and surface quality: Except in a marginal area 5 mm wide, sunglass filters shall have no material or machining defects within an area of 30 mm diameter centred on the reference point that could impair vision,e.g. bubbles, scratches, inclusions, dull spots, pitting, mould marks, notches, reinforced areas, specks, beads, water specks, pock marks, gas inclusions, splintering, cracks, polishing defects or undulations. If this 5 mm wide portion around the edge of the test sample intrudes into this circular area, then this intrusion shall be excluded from testing.

Transmittance and filter categories — Clause 5.2

Sample No.: 3

Test Items	Requirements	Left	Right	Result(s)
τv (380~780)nm (%)	For Cat. 0: 80.0~100	14.0	15.3	Cat.3
	For Cat. 1: 43.0~80.0			
	For Cat. 2: 18.0~43.0			
	For Cat. 3: 8.0~18.0			
	For Cat. 4: 3.0~8.0			
Filter Cat	Claimed: Not Provided			
τ_{SUVB}(280~315)nm (%)	☐For Cat. 0,1:≤0.05τ v_{D65} ☐For Cat. 2:1.0% absolute or 0.05τ v_{D65} whichever is greater; ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
τ_{SUVA}(315~380)nm (%)	☐For Cat. 0, 1: ≤τ v_{D65}; ☒For Cat. 2, 3: ≤0.5τ v_{D65} ☐For Cat. 4:1.0% absolute or 0.25τ v_{D65} whichever is greater	0.0	0.0	P

Measurement Uncertainty (if necessary):

Uniformity of luminous transmittance —Clause 5.3.1

Sample No.: 3				
Test Items	**Requirements**	**Left**	**Right**	**Result(s)**
Difference within filter (%) (relative to higher value)	The relative difference in the luminous transmittance value: ☒For Cat. 0, 1, 2, 3: ≤15% ☐For Cat. 4: ≤20%	4.8	4.4	P
Difference with mounted filters (relative to higher value)(%)	The relative difference between the luminous transmittance value of the visual center for right and left eye : ☐For gradient-tinted filters: ≦ 20% ☒ For all other types: ≦15%	8.5		P

Measurement Uncertainty (if necessary):

Requirements for road use and driving — Clause 5.3.2

Sample No.: 3				
Test Items	**Requirements**	**Left**	**Right**	**Result(s)**
Categories	Filters suitable for road use and driving shall be of categories 0, 1, 2 or 3.	Cat.3	Cat.3	P
Spectral transmittance (475~650)nm (%)	$\geq 0.2\tau_{v\ D65}$	$0.93\tau_{v\ D65}$	$0.94\tau_{v\ D65}$	P
Red Signal	≥0.80	1.18	1.17	P
Yellow Signal	≥0.60	1.06	1.06	P
Green Signal	≥0.60	0.97	0.97	P
Blue Signal	≥0.60	1.01	1.00	P
Road use (including driving) in twilight or at night (%)	≥75.0	14.0	15.3	NA

Measurement Uncertainty (if necessary):

Wide angle scattering — Clause 5.3.3

Sample No.	Wide Angle Scattering (%)		Result(s)
	Left	Right	
3	1.8	1.9	P

Requirements:

At the reference point, the wide-angle scatter of the filters in the condition as supplied by the manufacturer shall not exceed the value of 3 %.

Measurement Uncertainty (if necessary):

Spherical and astigmatic power— Clause 6.1

Sample No.:3

Test Items	Requirements	Left	Right	Result(s)
Spherical Power (D)	± 0.12D	0.00	-0.04	P
	The difference between the spherical powers shall not exceed 0.18 D;	0.04		P
Astigmatic Power (D)	≤0.12D	0.00	0.00	P

Measurement Uncertainty (if necessary):

Prism imbalance (Relative prism error) — Clause 6.3

Sample No.	Requirements		Prism imbalance(cm/m)	Result
3	Horizontal	☒Base Out: <1.00 cm/m	0.10	P
		☐Base In: <0.25 cm/m		
	Vertical	<0.25 cm/m	0.03	

Measurement Uncertainty (if necessary):

Minimum robustness of filters — Clause 7.1

Sample No.	Defects		Comment	Result(s)
	Observed	Absent		
3		X	--	P

Requirements:

None of the following defects shall appear on filters :

1. Filter fracture;
2. Filter deformation;

Note:

1. For clip-ons neither a) nor b) are applicable.
2. This test is not necessary if the sunglasses meet Impact resistance of sunglasses, strength level 1, or level 2, or Level 3.

Frame deformation and retention of filters — Clause 7.2

Sample No.	Boxed Center Distance C (mm)	Residual Deformation *X* (mm)	Deformation Percentage Φ (%)	Structure		Lens Retention		Result(s)
				Pass	Fail	Pass	Fail	
3	74.60	0.00	0.0	X		X		P

Requirements:

1. Be permanently deformed from its original configuration by not more than 2% of the distance C,. Deformation percentage Φ; Calculation: Φ(%) ＝X/C*100
2. No fracture or crack at any point;
3. No filter shall be displaced from the frame.

Measurement Uncertainty (if necessary):

Resistance to Radiation — Clause 8

Sample No.: 3

Test Items	Requirements	Left	Right	Result(s)
The relative change of luminous transmittance(%)	☐For Cat.0: ＜±3% ☐For Cat.1: ＜±5% ☐ For Cat.2: ＜±8% ☒ For Cat.3&4: ＜±10%	0.0	-1.3	P
Wide angle scattering(%)	After exposure, the value of wide angle scattering shall not exceed the limit value of 3%;	1.9	1.9	P
τ_{SUVB} (280~315)nm(%)	☐For Cat. 0,1:≤0.05τv_{D65} ☐For Cat. 2:1.0% absolute or 0.05τv_{D65} whichever is greater; ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
τ_{SUVA} (315~380)nm(%)	☐For Cat. 0, 1: ≤τv_{D65}; ☒For Cat. 2, 3: ≤0.5τv_{D65} ☐For Cat. 4:1.0% absolute or 0.25τv_{D65} whichever is greater	0.0	0.0	P

Measurement Uncertainty (if necessary):

Ignition — Clause 9

Sample No.	Continued Combustion		Comment	Result(s)
	Yes	No		
3		X	--	P
Requirements: The filters and frame shall be no continued combustion after withdrawal of the test rod.				

Coverage area — Clause 11.1

Sample No.: 3

Test	Requirement		Left	Right	Result
Cover two ellipses	Sunglasses shall cover two ellipses, and symmetrically placed on each side of the centre of the bridge of the frame: ☒For Adults': - horizontal diameter: (40±1)mm - vertical diameter: (28±1) mm	☐For Children': - horizontal diameter: (34±1)mm - vertical diameter: (24±1) mm	Meet	Meet	P
*Prevent UVradiation	τ_{SUVB} (280~315) nm (%)	☐For Cat. 0,1: ≦0.05τv_{D65} ☐For Cat. 2:1.0% absolute or 0.05τv_{D65} whichever is greater ☒For Cat. 3, 4: 1.0% absolute	0.0	0.0	P
	τ_{SUVA} (315~380) nm (%)	☐For Cat. 0,1: ≦τv_{D65} ☒ For Cat. 2,3: ≦0.5τv_{D65} ☐For Cat. 4:1.0% absolute or 0.25τv_{D65} whichever is greater;	0.0	0.0	P
Note: 1. Adults' headform: ☒1-M, PD=64mm ☐As defined by the headform utilized, PD=( )mm 2. Children's headform: ☐1-C6, PD= 52 mm ☐1-C12, PD=58mm.					

Measurement Uncertainty (if necessary):

Remark: *Prevent UV radiation measured point: Any point within specified two elliptical regions.

UV400 (In-house test, non- accredited test item)

Assessment was made against a level of 100% UV protection, in which the spectral transmittance was examined within a range of 280nm - 400nm.

Sample Number	Wavelength (nm)	Maximum Spectral transmittance (%)		Result
		Left	Right	
3	280-400	0.0	0.0	P
Requirements: Maximum spectral transmittance shall not exceed 0.5%.				

Measurement Uncertainty (if necessary):

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***