

TEST REPORT

Applicant: MID OCEAN BRANDS BV
7/F, KINGS TOWER,
111 KING LAM STREET,
CHEUNG SHA WAN,
KOWLOON
HK
Attn: WEEKO CHEUNG

Number: HKGH02618321

Date: Aug 07, 2020

Submitted sample said to be :
Item Name : **Reflective drawstring bag**
Item No. : **MO9403**
Quantity : 6 pieces
Vendor : 100396
Country of Origin : China



Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) <u>BS EN 13356:2001</u>	<u>Pass</u>
Visibility accessories for non-professional use - Test methods and requirements (Partial test)	

For and on behalf of :
Intertek Testing Services HK Ltd.

Cindy I.K. Chan
Vice President



Page 1 of 4

TEST REPORT

Number : HKGH02618321

(1) Performance Tests for Visibility Accessories for Non-Professional Use

Test Standard : BS EN 13356:2001 Visibility accessories for non-professional use - Test methods and requirements (Partial test)

Number of samples tested: Five (5) pieces.

Type of accessories: Flexible, Type 2 - Removable accessory

Note :

- 1) The submitted samples did not fall into the scope of the standard and the result was adopted as reference.
- 2) The submitted samples were tested as flexible, type 2 - removable accessory and the front side of sample was tested.
- 3) For type 2 and 3 accessories, there is a minimum CIL value of $R = 400\text{mcd/lx}$ in all directions around the person at $\alpha = 0.33^\circ$, $\beta_1 = +5^\circ$. However, it is not possible within the scope of this test to check that the minimum CIL value of R can be achieved in all directions around a wearer. This particular requirement is dependant on the number attached and the placement of these retro-reflectors on a garment / wearer.

Clause	Requirement	Result
4	Requirements for accessories	
4.1	General requirements	P
4.2	Specific requirements for different types of accessories	
4.2.1	General	P
4.2.2	Photometric requirements	P
4.2.3	Abrasion resistance (brush resistance)	P
4.2.5	Durability against heat	P
4.2.6	Low temperature requirements (folding)	P

Abbreviation : P = Pass



Page 2 of 4



TEST REPORT

Number : HKGH02618321

Test data:

Clause 4.1 General requirements

Area of reflective material (cm ²)	Area requirement
≈ 1200	Type 2 accessory shall exceed the area of 15 cm ²

Clause 4.2.2 / Photometric test (as received)

Observation angle, α	Entrance angle, β		Requirement (R') (cd/lx.m ²)	Measured value (R') (cd/lx.m ²)
	β_1	β_2		
0.2°	+5°	0°	110	512.0
	+20°	0°	80	523.0
0.33°	+5°	0°	80	376.0
	+20°	0°	60	386.0
1.5°	+5°	0°	4	20.5
	+20°	0°	3	22.4

Clause 4.2.3 / Photometric test after test exposure 1 (5.3 Abrasion test)

Observation angle, α	Entrance angle, β		Requirement (R') (cd/lx.m ²)	Measured value (R') (cd/lx.m ²)
	β_1	β_2		
0.2°	+5°	0°	110	468.0
	+20°	0°	80	527.0
0.33°	+5°	0°	80	350.0
	+20°	0°	60	380.0
1.5°	+5°	0°	4	22.2
	+20°	0°	3	22.8



Page 3 of 4



TEST REPORT

Number : HKGH02618321

Clause 4.2.6 / Photometric test after test exposure 2 (5.5.1 Low temperature requirements -folding)

Observation angle, α	Entrance angle, β		Requirement (R') (cd/lx.m ²)	Measured value (R') (cd/lx.m ²)
	β_1	β_2		
0.2°	+5°	0°	110	489.0
	+20°	0°	80	525.0
0.33°	+5°	0°	80	366.0
	+20°	0°	60	384.0
1.5°	+5°	0°	4	21.8
	+20°	0°	3	22.0

Clause 4.2.5 / Photometric test after test exposure 3 (5.6.2 Durability against heat -exposure to temperature variation for flexible accessories)

Observation angle, α	Entrance angle, β		Requirement (R') (cd/lx.m ²)	Measured value (R') (cd/lx.m ²)
	β_1	β_2		
0.2°	+5°	0°	110	506.0
	+20°	0°	80	518.0
0.33°	+5°	0°	80	355.0
	+20°	0°	60	377.0
1.5°	+5°	0°	4	20.7
	+20°	0°	3	22.5

Date sample received : Jul 24, 2020

Testing period : Jul 24, 2020 to Aug 06, 2020

End of report

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to and subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms/>. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Intertek is responsible for all the information provided in the reports, except when information is provided by the Client or when the Client requires the item to be tested acknowledging a deviation from specified conditions that can affect the validity of results.

The observations and test results in this report are relevant to the sample(s) tested and submitted by client. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. This report does not discharge or release you from your legal obligations and duties to any other person. Only the Client is authorized to permit copying or distribution of this report and the report shall not be reproduced except in full. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



Page 4 of 4

