

**APPLICATION FOR PERSONAL PROTECTIVE EQUIPMENTS**

**On Behalf of**

**Mid Ocean Brands B.V.**

**Reflective backpack with pocket**

**Model: MO6131**



**Prepared For :** Mid Ocean Brands B.V.  
7/F., Kings Tower, 111 King Lam Street, Cheung  
Sha Wan, Kowloon, Hong Kong

**Prepared By :** Beide (Shenzhen) Product Service Limited  
6F, Bldg E, Hourui 3rd Ind Zone, Xixiang, Bao'An  
Dist, Shenzhen, China

**Date of Test : May 28-Jun. 04, 2020**

**Date of Report : Jun. 04, 2020**

**Report Number : B-S200529929**

<b>PPE Report</b> <b>EN 13356</b> <b>Visibility accessories for non-professional use</b> <b>— Test methods and requirements</b>	
<b>Testing laboratory</b> .....	Beide (Shenzhen) Product Service Limited
<b>Address</b> .....	6F, Bldg E, Hourui 3rd Ind Zone, Xixiang, Bao'An Dist, Shenzhen, China
<b>Report body</b> .....	Beide (Shenzhen) Product Service Limited
<b>Address</b> .....	6F, Bldg E, Hourui 3rd Ind Zone, Xixiang, Bao'An Dist, Shenzhen, China
<b>Applicant</b> .....	Mid Ocean Brands B.V.
<b>Address</b> .....	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
<b>Client No.</b> .....	0852A712
<b>Standard</b> .....	EN 13356:2001
<b>Result</b> .....	Compliance with EN 13356:2001
<b>Procedure deviation</b> .....	N.A.
<b>Non-standard</b> .....	N.A.
<b>Type of verdict object</b> .....	Reflective backpack with pocket
<b>Trademark</b> .....	N.A.
<b>Model/type reference</b> .....	MO6131
<b>Manufacturer</b> .....	Code: 111587

**General remarks**

This report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item(s) tested.

"(see appended table)" refers to a table appended to the report.

"(see remark #)" refers to a remark appended to the report.

"(see Annex #)" refers to an annex appended to the report.

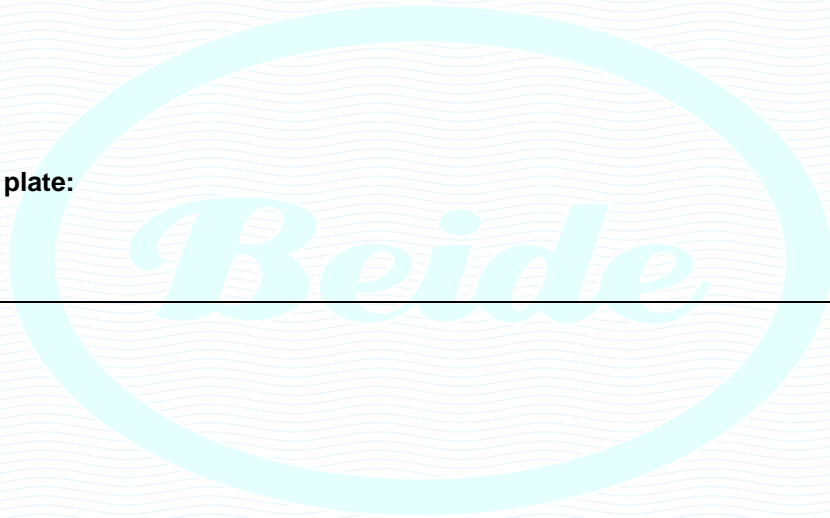
Throughout this report a comma (point) is used as the decimal separator.

**Photo view:**

(See appendix 1)

**Copy of marking plate:**

(See appendix 2)





<b>Possible test case verdicts :</b>	
test case does not apply to the test object .....	: N (.A.)
test object does meet the requirement .....	: P(ass)
test object does not meet the requirement .....	: F(ail)
<b>Name and address of the testing laboratory:</b>	<b><u>Beide (Shenzhen) Product Service Limited</u></b> <b><u>6F, Bldg E, Hourui 3rd Ind Zone, Xixiang,</u></b> <b><u>Bao'An Dist, Shenzhen, China</u></b>
<b>Reported by :</b>	<p style="text-align: center;"><i>Anna Deng</i></p> <p>Signature / Anna Deng / Engineer <span style="float: right;">Jun. 04, 2020</span></p> <p style="text-align: center;">_____</p> <p style="text-align: center;">Date</p>
<b>Checked by :</b>	<p style="text-align: center;"><i>Austin Zhong</i></p> <p>Signature / Austin Zhong / Engineer <span style="float: right;">Jun. 04, 2020</span></p> <p style="text-align: center;">_____</p> <p style="text-align: center;">Date</p>
<b>Approved by :</b>	<p style="text-align: center;"><i>Martin Wang</i></p> <p>Signature / Martin Wang / Manager <span style="float: right;">Jun. 04, 2020</span></p> <p style="text-align: center;">_____</p> <p style="text-align: center;">Date</p>



EN 13356

Clause	Requirement – Test	Result - Remark	Verdict
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5	Testing		P
5.1	General		--
	The samples tested in accordance with 5.2 shall be exposed as specified in Table 3 and Table 4 depending on the types of accessories. After exposure each test specimen shall fulfil the photometric requirements given in Table 1 for type 1 accessories or Table 2 for type 2 and type 3 accessories (at the entrance angle $\beta_1 = +5^0$ and $\beta_2 = 0^0$ and observations angle $\alpha = 0.2^0$ ).		P
	Preconditioning in accordance with EN 471: 1994.		P
5.2	Photometric testing		P
5.2.1	Principle		--
	The performance of the accessories shall be determined by the procedures given in CIE 54: 1982		P
5.2.2	Mounting of sample		P
	The sample shall be mounted to a goniometer table in the position which is intended to be worn by the user. If it is not possible to define this position, the retroreflector shall be tested at the most unfavourable rotation angle $\epsilon_0$ determined when measured at $\alpha = 0.33^0$ and $\beta_1 = +5^0$ .		P
	Type 3 accessory shall be applied in form of a test sample of minimum size of 25 cm <sup>2</sup> .		P
5.2.3	Conditioning		P
	The sample shall be conditioned for at least 24 h at a temperature of $(23 \pm 2) ^\circ\text{C}$ and a relative humidity of $(50 \pm 5)\%$ .	RH 50%, 25°C, 24h	P
5.3	Abrasion test (brushing)		P
	The test shall be carried out with a polyamide brush with size according to annex A. The brush is of a PA 6.6 quality with diameter $(0.25 \pm 0.025)$ mm, arranged in 56 sections with each $(165 \pm 5)$ stems. The length of the stems shall be $(14 \pm 1)$ mm. The total brush shall weigh $(450 \pm 5)$ g.		P

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	The brush shall be mounted in a machine which provides a back and forth going movement in one dimension. The test sample is mounted horizontally. The direction of the movement shall be transverse the length of the brush. The brush shall be moved back and forth (30 ± 3) times/min for 10 min. The change of the direction of the brush shall be outside of the sample area.		P
5.4	Washing and dry cleaning test		P
5.4.1	General		--
	The accessory shall be mounted as intended on a sample of background fabric 400 mm x 400 mm, per instructions from the manufacturer. In case of tapes with a width of less than 100 mm several are placed next to each other. The background fabric shall be of 65 % polyester and 35 % cotton with an area weight of 230 g/m <sup>2</sup> to 250 g/m <sup>2</sup> . The test sample shall be washed or dry cleaned 5 times, according to the manufacturers instruction.		P
5.4.2	Washing		P
	The samples shall be washed in accordance with Method 5A of EN ISO 6330: 2000, and dried in accordance with the manufacturers instructions.		P
5.4.3	Dry cleaning		P
	The test samples shall be dry cleaned in accordance with Method 9.1 of EN ISO 3175: 1995.		P
5.5	Low temperature test		P
5.5.1	Folding		P
	The test sample shall be exposed and folded in accordance with ISO 4675 at a temperature of (-20 ± 5) °C.		P
5.5.2	Free fall test (according to IEC 68-2-32)		P
	The sample shall be conditioned at the temperature of (-30 ± 2) °C for 4 hours. Immediately after the sample is dropped down onto a steel plate from the height of 0.5 m. The test shall be repeated ten times.		P



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Clause	Requirement – Test	Result - Remark	Verdict
	After the test the sample shall meet the immersion of water test 5.7.1. And photometric test 5.1. During the free fall test the sample is without hanging and fixing elements if they are separable from the retro-reflector unit.		P
5.6	High temperature test		P
5.6.1	Preconditioning of rigid accessories		P
	The sample shall be placed in an oven at temperature (65 ± 2) °C for 24 h.		P
5.6.2	Exposure to temperature variation for flexible accessories		P
	The test shall be carried out in accordance with 7.4.4 of EN 471: 1994.		P
5.7	Exposure to water		P
5.7.1	Influence of water (water immersion)		P
	The sample pretested according to 5.5.2 shall be immersed with the retroreflective side up into water with temperature (50 ± 5) °C. The top point of the sample shall be minimum 20 mm under the surface of the water. After 10 min the sample is turned around so that the retroreflective side is turned down wards. Allow it to stay for another 10 min. The sample is immediately hereafter transferred to another basin with temperature (25 ± 5) °C, and the procedure is repeated.		P
	Photometric measuring before and after the test gives basis for determination of any occurred changes. The measuring is done 15 min after having removed sample from water and hung it vertically. Sample shall also be checked for possible water penetration.		P
5.7.2	Influence of rainfall		P
	The sample shall be tested in accordance with 7.5 of EN 471: 1994.		P
6	Marking		P
	The accessories shall be marked with the following:		--
	– name of the manufacturer or code	Code: 111587	P

EN 13356			
Clause	Requirement – Test	Result - Remark	Verdict
	– type number	MO6131	P
	The marking shall be:		--
	– on the product itself or labels attached to the product or to the smallest packaging unit;		P
	– affixed so as to be legible;		P
	– durable for the appropriate number of cleaning processes, where appropriate.		P
	The marking shall be large enough to convey immediate understanding and to allow the use of readily legible characters.		P
7	Manufacture information for use		P
	The instruction for use shall include the following information:		--
	a) Name, trade mark or other means of identification of the manufacturer or his authorized representative;	Code: 111587	P
	b) Designation of the product type, commercial name or code;	MO6131	P
	c) Number of this specific standard;	EN 13356	P
	Accessories shall be supplied to the customer with information written at least in the official language(s) of the state of destination. All information shall be unambiguous.	See the instructions	P
	The following minimum information shall be given:		P
	d) Fixing; how to attach;		P
	e) Necessary warnings of misuse;		P
	f) Limitations on use (e. g. environment);		P
	g) Storage; how to store correctly.		P



**Appendix 1**  
Photo of EUT



Appendix 2  
Product marking of EUT

100% Polyester  
MADE IN CHINA



MOB/MO6131

EN13356

PO BOX 644,6710 BP(NL)

111587

4100091607

