BESTWAY (HONGK ONG) INTERNATIONAL LTD.
SUITE 713, 7/FLOOR, EAST WING, TSIM SHA TSUI CENTRE, 66 MODY ROAD, KOWLOON, HONG KONG.

Sample Description	: SEACLEAR FLOWTECH SNORKELING MASK
Style / Item No.	: 24058,24060

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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SGS Ref No.	: SHHL1911063732TY
Sample Receiving Date	: Nov 22, 2019
Test Performing Date	: Nov 22, 2019 to Dec 03, 2019
Test Performed	: Selected test(s) as requested by applicant
Test Result(s)	: For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

scan to see the report
GZHL1911049129SP-02

Arthur Mak
Authorized Signatory

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Test Conducted: Refer to **partial tests of EN 1972: 2015 Diving accessories- Snorkels- Safety requirements and test methods**

1. Scope

This European Standard specifies safety requirements in order to increase the safety in the use of snorkels for swimmers and divers.

This European Standard is applicable to snorkels, which allow users to breathe at the water surface whilst floating with the face submerged. It covers snorkels used by swimmers and divers.

This European Standard is not applicable to combined face masks and snorkels, in which the snorkel tube opens into face mask.

2. Test Results: Details shown as following table

<table>
<tr><th>Clause</th><th>Test Item</th><th>Test Result</th></tr>
<tr><td>3</td><td>Requirements</td><td></td></tr>
<tr><td>3.1</td><td>General
The snorkel shall not have any projecting parts, or corners and edges, which can cause injury.
Test in accordance with 4.1 and 4.5.</td><td>Pass</td></tr>
<tr><td>3.2</td><td>Dimensions
The dimensions of a snorkel shall comply with Table 1.
Table 1- dimensions
<table>
<tr><th>Class</th><th>Application</th><th>Total inner volumea
Ml
Max.</th><th>Lb
Mm
max.</th></tr>
<tr><td>A</td><td>People with large lung capacities</td><td>230</td><td>380</td></tr>
<tr><td>B</td><td>people with small lung capacity (e.g. children)</td><td>150</td><td>350</td></tr>
<tr><td colspan="4">[a] The total inner volume representing the dead space of the snorkel for respiratory exchange.
[b] Linear distance between the centre of the mouthpiece opening and the lowest part of the air intake opening.</td></tr>
</table>
Test in accordance with 4.1 and 4.2.</td><td>NA</td></tr>
<tr><td>3.3</td><td>Mouthpiece
The mouthpiece material shall not be known to be likely to cause irritation or any other adverse effects to health.
The mouthpiece shall be designed so that is easily retained in the mouth, e.g. using lug(s) for gripping between the teeth.
All parts of the mouthpiece coming in contact with the oral mucosa shall be smoothly finished.</td><td>Pass</td></tr>
</table>

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Clause	Test Item	Test Result
	The end of the tube shall not extend beyond the mouthpiece into the mouth. Test in accordance with 4.1 and 4.5.	
3.4	**Resistance to air flow** When tested in accordance with 4.3, the peak respiratory pressure of the snorkel during inhalation and exhalation shall be within the range of ± 10 mbar.	Pass
3.5	**Joints** When tested in accordance with 4.4 with an axial force of 30 N for 10 s, joints shall show no signs of disengagement.	Pass
3.6	**Optional devices**	
3.6.1	**Snorkel keeping device** Any snorkel keeping device affixed to the tube to prevent loss of the snorkel in use, shall be arranged in such a way that the position of the snorkel can be adjusted. The snorkel keeping device shall enable the snorkel to be displaced from the mouth and replaced without having to displace the face mask. Test in accordance with 4.1 and 4.5.	Pass
3.6.2	**Shut-off valves** If a shut-off valve to prevent the ingress of water is fitted, it shall only shut off when submerged. After being submerged the valve shall easily open on the first exhalation. Test in accordance with 4.5.	Pass
5	**Marking** Each snorkel shall be marked with the following information: a) the name, trademark or other means of identification of the manufacturer; b) the number of this European Standard, EN 1972; c) class designation; d) type designation.	NA
6	**Information supplied by the manufacturer** Instructions showing at least the following information shall be: a) how to use the snorkel, e.g. use the snorkel only in water; b) indication of possible misuse, e.g. warning that there are two classes of snorkels for users of different lung capacities; c) instructions concerning maintenance and storage.	Pass

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Test Method Form:

Clause	Test Item	Record
4	**Test methods**	
4.1	**Visual inspection** Visual inspection shall be conducted at normal visual acuity. The visual inspection shall include the assessment of the device marking, information supplied by the manufacturer and any safety data sheet.	Conducted
4.2	**Testing of dimensions** The inner volume of the snorkel may be determined either by dimensional measurement and calculation or by filling the snorkel with water. Put the snorkel with its mouthpiece in a position that it would be during normal use. Determine the linear distance L between the centre of the mouthpiece opening and the lowest part of the air intake opening.	NA
4.3	**Resistance to air flow test** Connect the mouthpiece to a breathing simulator. Set the breathing simulator to a sinusoidal operation of 25 strokes/min with 2,5 l/stroke at ambient pressure and temperature. The deviation between frequency and amplitude shall not be more than ± 3 %. Take the pressure recording at the mouthpiece. Continue the measurement until steady-state is achieved.	Conducted
4.4	**Joint strength test** A tensile testing machine or a dead weight arrangement with means for measuring with accuracy of ± 2 N over the whole measuring range shall be used. Apply a load of (30 ± 2) N across the joint at a uniform rate over 5 s. Maintain the force for 10 s and examine the joint for any damage.	Conducted
4.5	**Practical performance test**	
4.5.1	**General** For reasons of safety, practical performance tests should be carried out only after all laboratory tests, according to 4.1 to 4.4, have been satisfactorily completed.	Informative
4.5.2	**Test subjects** The snorkel shall be tested by subjects who are practicing regularly with snorkels.	Informative

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4.5.3	**Basic testing** Each test subject shall make a test swim which include at least two submersions to a depth of at least 1 m. During the test the snorkel will be subjectively assessed by the user and the user's comments on the following points shall be recorded after the test: a) snorkel comfort; b) security of any joints and attachments; c) adjustment of the mouthpiece and any snorkel keeping device; d) ease of breathing and of opening of any shut-off valve on the first exhalation; e) any other comments reported by the user on request.	Conducted
4.5.4	**Report** A record with a final report of the tests performed with the test persons shall be kept.	Informative

Remark:
1. NA = Not applicable.
2. This test report is to supersede No. GZHL1911049129SP-01 test report which was issued on May 27, 2020. And the original test reports (paper and electronic) are invalid.

Sample Photos:



Sample as Received



Sample as Received

End of Report

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