

TEST REPORT

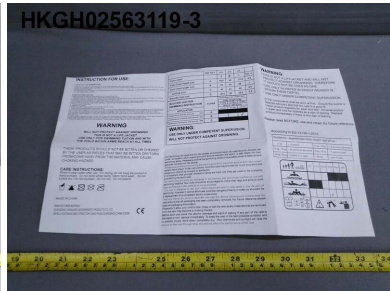
Applicant: GUANGZHOU VANGUARD WATERSPORT
PRODUCTS CO LTD
G/F, NO 9-15 HOU WANG MIAO STREET
SHI GANG ROAD
GUANGZHOU 510288 CHINA

Number: HKGH02563119

Date: Apr 09, 2020

Attn: ALLY

Submitted sample said to be :
Item Name : **Children's Floating Suit**
Item No. : **FSS2021**
Quantity : 3 pieces per style
Buyer : LMA
Country of Origin : China



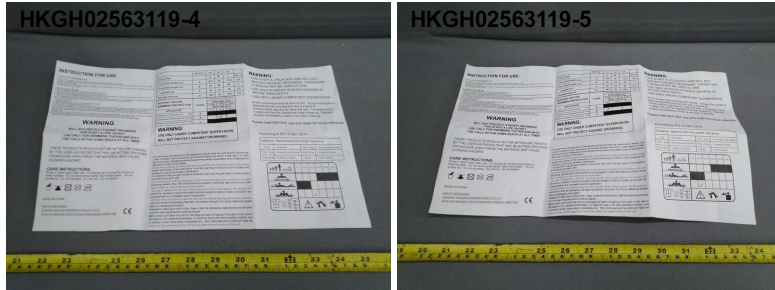
For and on behalf of :
Intertek Testing Services HK Ltd.

Cindy I.K. Chan
Vice President



TEST REPORT

Number : HKGH02563119



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) EN 13138 - 1 : 2014 Buoyant aids for swimming instruction - Part 1 : Safety requirements and test methods for buoyant aids to be worn	Pass
CE marking ((EU) 2016/425, Article 17)	See note enclosed



TEST REPORT

Number : HKGH02563119

(1) Safety Requirements for Buoyant Aids to be Worn

Test Standard : EN 13138 - 1: 2014 - Buoyant aids for swimming instruction - Part 1 : Safety requirements and test methods for buoyant aids to be worn

Number of sample tested: One (1) piece per style; Total three (3) styles.

Type of swimming aids: Swim Vest.

Intended age group as specified in the packaging:
 For age 1-2 years old (11-15 kg).
 For age 2-3 years old (15-18 kg).
 For age 3-6 years old (18-30 kg).

Note:

CE marking is not specified in EN 13138-1 but per Regulation (EU) 2016/425, Article 17. The CE marking shall be affixed visibly, legibly and indelibly to the PPE. Where that is not possible or not warranted on account of the nature of the PPE, it shall be affixed to the packaging and to the documents accompanying the PPE. The format of this CE marking was given in the Annex II of Regulation (EC) No 765/2008.

It was found that the CE marking was provided on the buoyant aid.

Clause	Requirement	Assessment
5.1	General	P
5.2	Buoyancy	
5.2.1	Buoyancy characteristics of the complete device	P
5.2.2	Residual buoyancy	NA
5.3	Design, fit and positioning	
5.3.1	Adjustability – Class B devices	P
5.3.2	Buckles, zippers and other fixings	P
5.3.3	Retention of function	P
5.3.4	Innocuousness	
5.3.4.1	General	P
5.3.4.2	Edges, corners and points	P
5.3.4.3	Small parts	NA
5.4	Entire assembly and components	
5.4.1	Integrity of the entire assembly of worn devices	P
5.4.2	Thread	P
5.4.3	Valves, stoppers and other protruding parts	NA
5.5	Materials – mechanical properties	
5.5.1	Seam strength and durability of inflatable devices	NA
5.5.2	Resistance to puncturing	NA



TEST REPORT

Number : HKGH02563119

Clause	Requirement	Assessment
	Resistance of foam and other inherent buoyant materials to water absorption	P
5.5.3	Resistance of foam and other inherent buoyant materials to compression	P
5.6	Materials and markings	
5.6.2	Resistance to chlorinated salt water	P
5.6.3	Resistance of markings to saliva	P
5.6.4	Resistance of markings to perspiration	P
5.6.5	Adhesion of markings	P
7	Warnings and markings	
7.1	General	P
7.2	Warnings and markings on the product	P
7.3	Information supplied by the manufacturer	P
7.4	Consumer information at the point of sale	P

Abbreviation : P = Pass; NA = Not Applicable.

Test data:

Clause 5.2.1 Buoyancy characteristics of the complete device

The buoyancy of the submitted samples was measured and recorded as follow:

Style	Measured buoyancy (N)
Swim vest (11-15 kg)	38.5
Swim vest (15-18 kg)	45.9
Swim vest (18-30 kg)	56.4

Requirement:

The device shall have minimum buoyancy according with following table:

Category of user		Minimum buoyancy for garment (N)
Age years	Mass range (kg)	
1-2	11-15	20
2-3	15-18	20
3-6	18-30	20



TEST REPORT

Number : HKGH02563119

Clause 5.5.2 Resistance of foam and other inherent buoyant materials to water absorption

The loss of buoyancy was measured and recorded as increased.

Requirement: The material sample shall lose no more than 10 % of its original buoyancy.

Clause 5.5.3 Resistance of foam and other inherent buoyant materials to compression

The loss of buoyancy was measured and recorded as 3.1 %.

Requirement: The material sample shall lose no more than 10 % of its original buoyancy.

Clause 5.6.2 Resistance to chlorinated salt water

The change in color of the entire submitted sample on grey scale was observed and recorded as follow after the test:

Gray scale	Requirement:
4-5	≥3

Clause 5.6.3 Resistance of marking to saliva

The change in color of the marking on grey scale of the submitted sample was observed and recorded as follow after the test: :

Gray scale	Requirement:
4-5	≥3

Clause 5.6.4 Resistance of markings to perspiration

The change in color of the marking on grey scale of the submitted sample was observed and recorded as follow after the test:

Gray scale	Requirement:
4-5	≥3

Remarks

#1- Only the English version of the marking and/or instructions were assessed. According to the standard, all warnings and instructions for safe use as required by the standard shall be written in the official language of the country in which the product will be sold.

Date sample received : Mar 05, 2020; Mar 31, 2020

Testing period : Mar 05, 2020 to Mar 23, 2020; Mar 31, 2020 to Apr 1, 2020

End of report

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