

Test Report No.: SHHL1911060559IF Date: NOV. 20, 2019 Page: 1 of 10

BESTWAY (HONGKONG) INTERNATIONAL LTD.

SUITE 713, 7/FLOOR, EAST WING, TSIM SHA TSUI CENTRE, 66 MODY ROAD, KOWLOON, HONGKONG

Sample Description : ARMBANDS

Style/Item No. : 32237

Sample Receiving Date : NOV. 01, 2019

Testing Period : NOV. 01, 2019 TO NOV. 20, 2019

Testing Location : 3RD BUILDING, LANE 3999, XIUPU RD., PUDONG

DISTRICT, SHANGHAI, CHINA

Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT

Test Requested : AS/NZS 1900:2014 – FLOTATION AIDS FOR WATER

FAMILIARIZATION AND SWIMMING TUITION

Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE

FOLLOWING PAGE(S)

Conclusion : THE SUBMITTED SAMPLE MET THE TEST

REQUIREMENT.

Signed for and on behalf of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Authorized Signatory





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Test Conducted:

1. AS/NZS 1900:2014 - Flotation aids for water familiarization and swimming tuition

Category: Armbands Sample size: 2 pieces

Clause		Requirement	Result	Rating		
2	Design and construction					
2.1	General design					
2.1.1	Security of fit	Shall be securely fitted to the appropriate size	/	Pass		
		wearer				
		Shall be incapable of dislocation in use.	/	Pass		
		Shall not use press-studs/ Velcro/ other press-	/	Pass		
		close fastener or D ring or knots.				
2.1.2	Finish	Free from sharp edges/ points/ flashing.	/	Pass		
2.2	Source of	Cellular material shall be of the closed-cell type.	Not cellular	N/A		
	buoyancy		material			
		Valves comply with section 2.3.	/	Pass		
		Hollow moulded chambers shall prevent the	Not hollow	N/A		
		ingress of water into	moulded			
			chamber			
2.3	Valves					
2.3.1	General	Shall be of non-return valve with permanent	/	Pass		
		stopper				
2.3.2	Protrusion	Shall not protrude more than 5mm.	0.5 mm	Pass		
2.3.3	Mouthpiece	Shall be non-metallic and have a smooth finish.	/	Pass		
2.4	Metal parts	Shall be resistant to corrosion by fresh water, salt	No metal part	N/A		
		water and chlorinated pool water.				
2.5	Migration of	Shall conform to AS/NZS ISO8124.3	See Result 1	Pass		
	certain					
	elements					
2.6	Webbing or tap					
2.6.1	Attachment	Shall not be less than 20mm wide and can	/	N/A		
	with webbing	maintain a flat profile when wet.				
	or tapes					
2.6.2	Finish	Ends of webbing or tapes shall be finished.	/	N/A		
2.6.3	Fasteners	Shall not be removable without damage or the use	/	N/A		
		of tool.				
2.7	Sewed fabrics	T=	T	T		
2.7.1	Fabric	The fabric shall not rupture when tested in	No sewed	N/A		
		accordance with clause 2.7.4	fabrics	1		
2.7.2	Stitching	1) all stitching shall be lockstitch conforms to	No sewed	N/A		
		stitch type 301. Or a locking-type stitch suitable	fabrics			
		for the fabric being sewn.		1		
		2) monofilament fibre shall be backstitching	No sewed	N/A		
			fabrics	1		



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Clause		Requirement			Result	Rating	
		3) restarting the stitching shall not less than 25mm back from the break.			mm No sewed fabrics	N/A	
2.7.3	Thread Thread shall be compatible with the fab			with the fabrics.	No sewed fabrics	N/A	
		Threads used to sew load bearing components shall be manufactured from synthetic materials.				N/A	
			natural fibres th	No sewed fabrics	N/A		
2.7.4	Strength of sewed seam	The breaking strength of a sewed seam shall not be less than that specified in table 2.1.			not No sewed fabrics	N/A	
		STRE	NGTH OF SEWED SE	AMS			
		Mass	Age equivalent to mass (see Note)	Breaking strength			
		kg	years	N			
		Under 15	Under 2	70			
		15 to under 30 30 to under 60	2 to under 6 6 to under 12	120 250			
		60 and over	12 and over	450			
		NOTE: Age groups ar	re for guidance only. The cos can vary considerably.				
2.8	Inflatable	Inflatable flot	of 2 4 chambers	Pass			
	flotation aids	chambers.					
		Residual buoyancy shall not less than one thirds of the original buoyancy.			ds 81%	Pass	
			flation of any ch	fect /	Pass		
2.9	Small parts	The floatation aids shall meet the small parts requirements of AS/NZS ISO 8124.1			/	N/A	
2.10	Flotation aid seats	Flotation aid seats shall be designed when used with correct age/mass so that the possibility of overturning in normal use is minimized.				N/A	
3	Performance					•	
3.1	Buoyancy of flotation aids (Appendix A)	Buoyancy shall not be less than the limits.			Requirement 25 N Result: 36 N	: Pass	
3.2	Strength of	Shall not detach after loading.		/	Pass		
	attachment assembly	Webbing or tapes shall not slipping more than 25mm.			/	N/A	
	(Appendix B)		or unfasten	/	Pass		
3.3	Resistance to	Shall not fail or unfasten The loss of buoyancy shall not greater than 10% original buoyancy, @60°C, 4Hrs.				Pass	
	heat (Appendix A)				buoyancy: 3%	6	
3.4	Inflatable flotatio	ion aids					
3.4.1	Valves				n Pressure: 6.4kPa	Pass	



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Clause		Requirement	Result	Rating
3.4.2	Resistance to leakage and	Inflatable chambers shall not leakage at 6.9 +0.5, 0 kPa in water for 2 min.	No leakage	Pass
	bursting	Inflatable chambers shall not burst or leakage at 10kPa for 2 min.	No burst or leakage	Pass
3.5	Resistance of marking to abrasion (Appendix C)	Warning words shall remain legible after 100 cycles crocking.	See Result 2	Pass
3.6	Resistance of marking to chlorinated water, and ultraviolet light	The marking shall remain legible after attachment assemblies (Appendix B)	/	Pass
3.7	Buoyancy of cellular material (Appendix A)	The loss of buoyancy shall not exceed 5% after immersion in water for 24 hrs.	Not cellular material	N/A
3.8	Fastener securit	у		
3.8.1	Fasteners, excluding zip fasteners	 The fasteners shall meet one of following: (a) At least two simultaneous or sequential actions required for their release or opening (b) Center release fasteners that are released/opened by one single action and depended on pressure for released shall require a force of more than 50N. (c) Side release fasteners that are released/opened by one single action and depended on pressure for released shall require a force of more than 30N. 		N/A
3.8.2	Zip fasteners	Zip fasteners shall remain functional and the chain shall not separate when tested in accordance with Appendix E.	Not zip fastener	N/A
3.9	Sequence of testing	All the tests should be performed in sequence.	/	/
4.	Marking and inf			
4.1	Marking of articles	Name, trade name or trademark of the manufacture or supplier in Australia and/or New Zealand.	/	Pass
		Manufacturing batch ID	/	Pass
		For flotation aids except swimming vest: WARNING WILL NOT PROTECT AGAINST DROWNING USE ONLY UNDER CONSTANT SUPERVISION		Pass



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	Requirement	Result	Rating
	For swimming vest:	Armbands	N/A
	WARNING		
	WILL NOT PROTECT AGAINST DROWNING		
	USE ONLY UNDER		
	CONSTANT SUPERVISION		
	NOT FOR USE IN BOATING.		
		6mm	Pass
		/	Pass
	Contrasting color with background	Print: Black	Pass
		Base: Orange	
	Sewn-in label shall be attached permanently	/	N/A
Marking of		/	Pass
		/	Pass
		1	Pass
	WARNING		
	WILL NOT PROTECT AGAINST DROWNING		
	CONSTANT SUPERVISION		
		Armbands	N/A
	WARNING		
	WILL NOT PROTECT AGAINST DROWNING		
	USE ONLY UNDER		
	CONSTANT SUPERVISION		
	NOT FOR USE IN BOATING		
	Warning sentence in block capitals, height ≥ 6mm	/	Pass
	All marking shall be legible, clearly	/	Pass
	In a conspicuous position or display at the point of	/	Pass
	sale.		
	In a color contrasting with background	/	Pass
		/	Pass
		/	Pass
Information		/	Pass
supplied with		/	Pass
flotation aids		/	Pass
		1	Pass
		/	Pass
	·		
		/	Pass
	drowning.	,	1
		1	Pass
	How to check the aid for signs of wear and tear, and when to replace the aid.	/	Pass
	supplied with	For swimming vest: WARNING WILL NOT PROTECT AGAINST DROWNING USE ONLY UNDER CONSTANT SUPERVISION NOT FOR USE IN BOATING. Warning sentence in block capitals, height ≥ 6mm All marking on product shall be legible Contrasting color with background Sewn-in label shall be attached permanently before and after loading test (Annex B) Marking of packaging Marking of the packaging Manufacturing batch ID For flotation aids except swimming vest: WARNING WILL NOT PROTECT AGAINST DROWNING USE ONLY UNDER CONSTANT SUPERVISION For swimming vest: WARNING WILL NOT PROTECT AGAINST DROWNING USE ONLY UNDER CONSTANT SUPERVISION NOT FOR USE IN BOATING Warning sentence in block capitals, height ≥ 6mm All marking shall be legible, clearly In a conspicuous position or display at the point of sale. In a color contrasting with background Purpose of the device Age and body mass range Information supplied with	For swimming vest: WARNING WILL NOT PROTECT AGAINST DROWNING USE ONLY UNDER CONSTANT SUPERVISION NOT FOR USE IN BOATING. Warning sentence in block capitals, height ≥ 6mm All marking on product shall be legible / Contrasting color with background Print: Black Base: Orange Sewn-in label shall be attached permanently before and after loading test (Annex B) / Australia Manufacturing batch ID / For flotation aids except swimming vest: WARNING WILL NOT PROTECT AGAINST DROWNING USE ONLY UNDER CONSTANT SUPERVISION For swimming vest: WARNING WILL NOT PROTECT AGAINST DROWNING USE ONLY UNDER CONSTANT SUPERVISION Armbands Warning sentence in block capitals, height ≥ 6mm / All marking shall be legible, clearly / In a conspicuous position or display at the point of sale. In a color contrasting with background / Purpose of the device / Age and body mass range / Information supplied with flotation aids Safe use instructions shall be supplied / How to fit the aid correctly / For inflatable flotation aids, that the floatation aid / should be fully inflated. A reminder for the wearer to be under constant, competent supervision The supervisor should be within arm's reach of the wearer. /



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Remark:

1. The submitted sample complies with the requirements of Consumer Goods (Swimming and Flotation Aids) Safety Standard 2017.

2. N/A = Not applicable.



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Result 1: Migration of Certain Elements

Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	SHA19-242893.001	White PVC film
SN2	SHA19-242893.002	Orange PVC film
SN3	SHA19-242893.003	Translucent blue soft plastic air valve
SN4	SHA19-242893.004	Colorful coating

Remarks:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

AS/NZS 8124.3:2012+AMD.1:2016- Migration of Certain Elements

Test Method: With reference to AS/NZS 8124.3:2012+AMD.1:2016, analysis was performed by ICP-OES.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>		
Soluble Lead (Pb)	90	mg/kg	5	ND		
Soluble Antimony (Sb)	60	mg/kg	5	ND		
Soluble Arsenic (As)	25	mg/kg	2.5	ND		
Soluble Barium (Ba)	1000	mg/kg	10	25		
Soluble Cadmium (Cd)	75	mg/kg	5	ND		
Soluble Chromium (Cr)	60	mg/kg	5	ND		
Soluble Mercury (Hg)	60	mg/kg	5	ND		
Soluble Selenium (Se)	500	mg/kg	10	ND		



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Notes:

(1) Results shown are of the adjusted analytical results.







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Result 2: Resistance of Marking to Abrasion (Appendix C: Ref. AS 2001.4.3-1995)

After 100cycles Dry staining

Wet staining

The marking was not damaged The marking remain legible The marking was not damaged The marking remain legible

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The declaration of conformity is only based on the actual value of laboratory activity, measurement uncertainty of the results not take into account.





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Sample Photo:

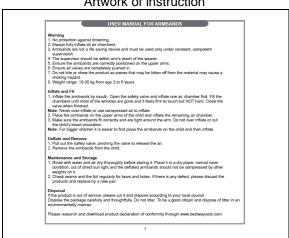
Test sample



Marking on product



Artwork of instruction



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