

TEST REPORT

Applicant: SUNNYLIFE GROUP PTY LTD
B1 85 DUNNING AVENUE
ROSEBERY
NSW 2018
AUSTRALIA

Number: HKGH0302756201

Date: Aug 16, 2023

Attn: NOLIA CHIU

Sample and Information provided by customer :
Item Name : **Bolster Hammock**
Item No. : **SCHAMPGE**
Quantity : 9 pieces
Labelled Age Group : 14+ YEARS
Packaging Provided : Yes
Supplier : Digo Creative Enterprise Ltd
Country of Origin : China

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



Cindy I.K. Chan
Vice President



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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) BS EN ISO 25649-1:2017 Floating leisure articles for use on and in the water - Part 1 : Classification, materials, general requirements and test methods	Pass
(2) BS EN ISO 25649-2:2017 Floating leisure articles for use on and in the water - Part 2 : Consumer information, excluding: - Clause 6.5 Colour of safety information symbols and safety sign	Pass
(3) EN ISO 25649-3: 2017 Floating leisure articles for use on and in the water - Part 3 : Additional specific safety requirements and test methods for Class A devices	Pass
(4) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52, amendment no. 552/2009 & 2018/2005 - Phthalates content	Pass
(5) Regulation (EC) No. 1907/2006 on REACH Annex XVII as amended by Commission Regulation (EU) No. 835/2012 and Commission Regulation (EU) 2016/217 - Cadmium content requirement	Pass
(6) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 63 & Commission regulation (EU) 2015/628 - Lead content requirement	Pass
(7) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Item 50 - Polycyclic aromatic hydrocarbons content	Pass
(8) REACH Regulation (EC) no. 1907/2006, Annex XVII, Item 51 & 52 & amendment no. 552/2009 & 2018/2005 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended - Phthalates content	Pass
(9) Cadmium Content Requirement in Annex XVII Entry 23 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) - Cadmium content requirement	Pass



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<u>Requirement</u>	<u>Result</u>
(10) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 63 & Commission regulation (EU) 2015/628 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) - Lead content requirement	Pass
(11) REACH Regulation (EC) no. 1907/2006 & amendment no. 1272/2013, Annex XVII, Item 50 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended - Polycyclic aromatic hydrocarbons content	Pass

Decision Rule(s):

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.grd.by/decision-rule-doc>.
If decision rule already inherited in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.



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(1) Classification, materials, general requirements and test methods for floating leisure article

Test standard: BS EN ISO 25649-1:2017 – Floating leisure articles for use on and in the water - Part 1 : Classification, materials, general requirements and test methods.

Number of samples tested : Three (3) pieces.

Class of floating leisure articles: Class A.

Intended age group as specified in the packaging : 14+.

Clause	Requirement	Assessment
5.1	General	P
5.2	Body entrapment	P
5.3	Torso entrapment on safety line with regard to children	P
5.4	Accessible protruding parts causing entanglement	P
5.6	Design working pressure	P
5.7	Load bearing components	NA
5.8	Towing device	NA
5.9	Valves and valve adapters	P
5.10	Edges, corners and points	P
5.11	Shearing and crushing points	P
5.12	Strength of the hull and test conditions	
5.12.1	Requirements	P
5.12.2.1	Combined cycle pressure/ static load test for devices manufactured from unsupported material	P
5.12.2.2	Overpressure test for inflatables made from reinforced or fabric covered material	NA
5.12.3	Heat test (not applicable to Class D devices)	P
5.13	Buckles and other fixings	NA
6	Material requirements and test methods	
6.1	General	P
6.2	Chemical requirements for materials making up the hull, unsupported or reinforced	
6.2.2	Resistance to mineral oil	P
6.2.3	Resistance to chlorinated salt water	P
6.3	Physical requirements	
6.3.1	Resistance to cold	P
6.3.2	Resistance to heat	P
6.4	Mechanical requirements of unsupported hull materials	
6.4.2	Resistance to puncturing	P
6.5	Mechanical requirements for reinforced hull materials	



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Clause	Requirement	Assessment
6.5.2	Adhesion of coatings (if applicable)	NA
6.6	Other materials	
6.6.1	Wood	NA
6.6.2	Metal and synthetic material parts	NA
6.7	Threads	P
7	Durability of warnings and markings	
7.1	Resistance to perspiration	P
7.2	Resistance to chlorinated salt water	P
7.3	Adhesion of markings	P
7.4	Provision of repair means	P

Abbreviation : P = Pass; NA = Not Applicable

Date sample received : Jun 28, 2023; Aug 09, 2023

Testing period : Jun 28, 2023 to Jul 18, 2023; Aug 09, 2023 to Aug 10, 2023

(2) Consumer information for floating leisure articles

Test standard: BS EN ISO 25649-2:2017 – Floating leisure articles for use on and in the water - Part 2 : Consumer information

Number of samples tested : Three (3) pieces.

Class of floating leisure articles: Class A.

Intended age group as specified in the packaging : 14+.

Clause	Requirement	Assessment
4	Consumer information	
4.1	General	P
4.2	Consumer information at point of sale (information before buying)	
4.2.1	General	P
4.2.2	General information to be provided	P
4.3	Information related to preparation for use	P
4.4	Information related to maintenance, repair and storage	P
5	Requirements related to printing	
5.1	General	P
5.2	Durability of printings on the product	P
5.3	Language and letter size for plain text information on the product	P
6	Product safety label	



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Clause	Requirement	Assessment
6.1	General	P
6.2	Supplementary safety information symbol	
6.2.1	Supplementary safety information symbols related to warnings	P
6.2.2	Supplementary safety information symbols related to prohibition	P
6.2.3	Supplementary safety information symbols related to mandatory instruction	P
6.4	Position of supplementary safety information symbol and safety sign	P
6.5	Colour of supplementary safety information symbols and safety sign	NT#1
6.6	Size of supplementary safety information symbol and safety sign	P
6.7	Allocation of the supplementary safety information symbols	P
7	Instructions	P
8	Mislabelling	P

Abbreviation : P = Pass; NT = Not Tested

Remarks:

- #1- The product safety labels on the submitted sample met the relevant clauses tested in the report except for the colour of safety symbols and/or signs as given in clause 6.5 of EN ISO 25649-2:2017 had not been assessed.
- #2 - Only the English version of the marking, packaging and 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 : Jun 28, 2023; Aug 09, 2023

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(3) Additional specific safety requirements and test methods for Class A devices of floating leisure articles

Test standard: BS EN ISO 25649-3: 2017 – Floating leisure articles for use on and in the water - Part 3 : Additional specific safety requirements and test methods for Class A devices

Number of samples tested : Three (3) pieces.

Class of floating leisure articles: Class A.

Intended age group as specified in the packaging : 14+.

Clause	Requirement	Assessment
4	Safety requirements and test methods	
4.1	General	P
4.2	Design, sizing, admissible number of users and maximum load capacity	
4.2.1	General	P
4.2.2	Sizing	NA
4.2.3	A1-products, space per person and admissible number of users	NA
4.2.4	A2-products, space per person and admissible number of users	P
4.3	In water performance	
4.3.1	Amount of buoyancy and stable floating position	P
4.3.2	Residual buoyancy of devices claiming floating stability (CASES A, B)	NA
4.3.3	Residual buoyancy of floating leisure articles not claiming floating stability (CASES C, D)	P
4.3.4	Capsizing and escape	P
4.3.5	Grab handles and safety lines (not applicable to air mattresses)	NA
4.3.6	Re-embarkation from the water in normal use and failure of one air chamber in CASE A1	NA
4.3.7	Extreme high super structure (wind, drift)	NA
4.3.8	Anchorage	NA
4.3.9	Giant rings with bottom, strength of entire device	NA
5	Consumer information	
5.1	General	P#1
5.2	Consumer information on the packaging (point of sale information)	P#1
5.3	Consumer information on the product (information related to safe use)	P#1
5.4	Consumer information by instructions for use (separate written information)	P#1

Abbreviation : P = Pass; NA = Not Applicable



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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 : Jun 28, 2023; Aug 09, 2023

Testing period : Jun 28, 2023 to Jul 18, 2023; Aug 09, 2023 to Aug 10, 2023

(4) Phthalate Content Test

Test Method : ISO 8124-6 : 2018 method A with internal standard calibration, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Seven Phthalates content:

Compound	Result (% w/w)		Limit (% w/w)
	(1)	(2/3/4)	
Dibutyl phthalate (DBP)	<0.0100	<0.0100	--
Diethyl hexyl phthalate (DEHP)	<0.0100	<0.0100	--
Benzyl butyl phthalate (BBP)	<0.0100	<0.0100	--
Diisobutyl phthalate (DIBP)	<0.0100	<0.0100	--
Sum of DBP, DEHP, BBP & DIBP	<0.0100	<0.0100	0.1
Diisononyl phthalate (DINP)	<0.0100	<0.0100	--
Di-n-octyl phthalate (DnOP)	<0.0100	<0.0100	--
Diisodecyl phthalate (DIDP)	<0.0100	<0.0100	--
Sum of DINP, DnOP & DIDP	<0.0100	<0.0100	0.1

The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006, amendment no. 552/2009 taking into account the (EU) regulation 2018/2005 modifying entry 51 for which the DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination with the first three phthalates which already exist in the entry 51, in a concentration equal to or greater than 0,1 % by weight of the plasticised material.

Tested Components:

- (1) Coatings on plastic sheet (body).
- (2) Ivory plastic sheet excluding coatings (body).
- (3) Transparent plastic (valve).
- (4) Translucent plastic with printings (guideline).

Date sample received : Jun 26, 2023

Test Period : Jun 26, 2023 to Jul 04, 2023



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(5) Cadmium (Cd) Content

Test Method : In House method TC008.TP. Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.1
(2/3/4)	ND	0.01

ND : Not detected (< 0.0005%)

The above limit was quoted according to Regulation (EC) No. 1907/2006 on REACH Annex XVII as amended by Commission Regulation (EU) No. 835/2012 and Commission Regulation (EU) 2016/217

Tested Components:

- (1) Coatings on plastic sheet (body).
- (2) Ivory plastic sheet excluding coatings (body).
- (3) Transparent plastic (valve).
- (4) Translucent plastic with printings (guideline).

Date sample received : Jun 26, 2023

Test Period : Jun 26, 2023 to Jul 06, 2023



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(6) Lead (Pb) Content

Test Method : Lead content requirement in Commission regulation (EU) 2015/628 amending Annex XVII item 63 of the REACH regulation (EC) No. 1907/2006, acid digestion was used and total Lead content was determined by inductively coupled argon plasma spectrometry.

Lead Content:

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.05
(2/3/4)	ND	0.05
(5)	ND	0.05

ND : Not detected (< 0.002%)

Tested Components:

- (1) Coatings on plastic sheet (body).
- (2) Ivory plastic sheet excluding coatings (body).
- (3) Transparent plastic (valve).
- (4) Translucent plastic with printings (guideline).
- (5) White fabric (net).

Date sample received : Jun 26, 2023

Test Period : Jun 26, 2023 to Jul 06, 2023



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(7) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (ppm)		Limit (ppm)
	(1)	(2/3/4)	
Benzo(a)pyrene	<0.10	<0.10	0.5
Benzo(e)pyrene	<0.10	<0.10	0.5
Benzo(a)anthracene	<0.10	<0.10	0.5
Chrysene	<0.10	<0.10	0.5
Benzo(b)fluoranthene	<0.10	<0.10	0.5
Benzo(j)fluoranthene	<0.10	<0.10	0.5
Benzo(k)fluoranthene	<0.10	<0.10	0.5
Dibenzo(a,h)anthracene	<0.10	<0.10	0.5

The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 for polycyclic aromatic hydrocarbons (PAH).

ppm = parts per million = mg/kg

Tested Components:

- (1) Coatings on plastic sheet (body).
- (2) Ivory plastic sheet excluding coatings (body).
- (3) Transparent plastic (valve).
- (4) Translucent plastic with printings (guideline).

Date sample received : Jun 26, 2023

Test Period : Jun 26, 2023 to Jul 04, 2023



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(8) Phthalate Content Test

Test Method : ISO 8124-6 : 2018 method A with internal standard calibration, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Seven Phthalates content:

Compound	Result (% w/w)		Limit (% w/w)
	(1)	(2/3/4)	
Dibutyl phthalate (DBP)	<0.0100	<0.0100	--
Diethyl hexyl phthalate (DEHP)	<0.0100	<0.0100	--
Benzyl butyl phthalate (BBP)	<0.0100	<0.0100	--
Diisobutyl phthalate (DIBP)	<0.0100	<0.0100	--
Sum of DBP, DEHP, BBP & DIBP	<0.0100	<0.0100	0.1
Diisononyl phthalate (DINP)	<0.0100	<0.0100	--
Di-n-octyl phthalate (DnOP)	<0.0100	<0.0100	--
Diisodecyl phthalate (DIDP)	<0.0100	<0.0100	--
Sum of DINP, DnOP & DIDP	<0.0100	<0.0100	0.1

The above limit was quoted according to REACH Regulation (EC) no. 1907/2006, Annex XVII, Item 51 & 52 & amendment no. 552/2009 & 2018/2005 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended.

Tested Components:

- (1) Coatings on plastic sheet (body).
- (2) Ivory plastic sheet excluding coatings (body).
- (3) Transparent plastic (valve).
- (4) Translucent plastic with printings (guideline).

Date sample received : Jun 26, 2023

Test Period : Jun 26, 2023 to Jul 04, 2023



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(9) Cadmium (Cd) Content

Test Method : In House method TC008.TP. Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.1
(2/3/4)	ND	0.01

ND : Not detected (< 0.0005%)

The above limit was quoted according to Annex XVII Entry 23 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758)

Tested Components:

- (1) Coatings on plastic sheet (body).
- (2) Ivory plastic sheet excluding coatings (body).
- (3) Transparent plastic (valve).
- (4) Translucent plastic with printings (guideline).

Date sample received : Jun 26, 2023

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(10) Lead (Pb) Content

Test Method : Lead content requirement in Commission regulation (EU) 2015/628 amending Annex XVII item 63 of the REACH regulation (EC) No. 1907/2006, acid digestion was used and total Lead content was determined by inductively coupled argon plasma spectrometry.

Lead Content:

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.05
(2/3/4)	ND	0.05
(5)	ND	0.05

ND : Not detected (< 0.002%)

Tested Components:

- (1) Coatings on plastic sheet (body).
- (2) Ivory plastic sheet excluding coatings (body).
- (3) Transparent plastic (valve).
- (4) Translucent plastic with printings (guideline).
- (5) White fabric (net).

Date sample received : Jun 26, 2023

Test Period : Jun 26, 2023 to Jul 06, 2023



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(11) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (ppm)		Limit (ppm)
	(1)	(2/3/4)	
Benzo(a)pyrene	<0.10	<0.10	0.5
Benzo(e)pyrene	<0.10	<0.10	0.5
Benzo(a)anthracene	<0.10	<0.10	0.5
Chrysene	<0.10	<0.10	0.5
Benzo(b)fluoranthene	<0.10	<0.10	0.5
Benzo(j)fluoranthene	<0.10	<0.10	0.5
Benzo(k)fluoranthene	<0.10	<0.10	0.5
Dibenzo(a,h)anthracene	<0.10	<0.10	0.5

The above limit was quoted according to REACH Regulation (EC) no. 1907/2006 & amendment no. 1272/2013, Annex XVII, Item 50 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended for polycyclic aromatic hydrocarbons (PAH).

ppm = parts per million = mg/kg

Tested Components:

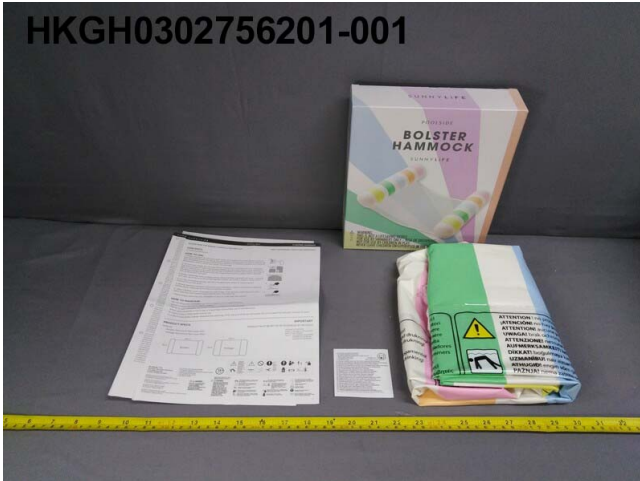
- (1) Coatings on plastic sheet (body).
- (2) Ivory plastic sheet excluding coatings (body).
- (3) Transparent plastic (valve).
- (4) Translucent plastic with printings (guideline).

Date sample received : Jun 26, 2023
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End of report

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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.

