

TEST REPORT

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

Number: HKGH0300973101

Date: Jul 25, 2023

Sample and Information provided by customer :
Item Name : **Underwater Camera**
Item No. : SCUNDPG
Quantity : 6 pieces
Supplier : Besser HK 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) 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
(2) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Item 50 - Polycyclic aromatic hydrocarbons content	Pass
(3) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 51, amendment no. 552/2009 & 2018/2005 - Phthalate content	Pass
(4) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 63 & Commission regulation (EU) 2015/628 - Lead content requirement	Pass
(5) Waterproof Test	See details enclosed

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.qrd.by/decision-rule-doc>.
If decision rule already inlined 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) 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
(1/2/3)	ND	0.01
(4)	ND	0.01
(5)	ND	0.01
(6/7)	ND	0.01
(8)	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) Transparent plastic (cover).
- (2) Blue plastic (cover parts).
- (3) Black plastic (cover parts).
- (4) Printing on the plastic over.
- (5) White string.
- (6) Black plastic (camera).
- (7) Transparent plastic (the camera).
- (8) Printing on camera.

Date sample received : May 19, 2023

Test Period : May 19, 2023 to Jun 04, 2023



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(2) 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)	(4/5)	(6)	
Benzo(a)pyrene	<0.20	<0.20	<0.20	1
Benzo(e)pyrene	<0.20	<0.20	<0.20	1
Benzo(a)anthracene	<0.20	<0.20	<0.20	1
Chrysene	<0.20	<0.20	<0.20	1
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	1
Benzo(j)fluoranthene	<0.20	<0.20	<0.20	1
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	1
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	1

Compound	Result (ppm)	Limit (ppm)
	(7/8)	
Benzo(a)pyrene	<0.20	1
Benzo(e)pyrene	<0.20	1
Benzo(a)anthracene	<0.20	1
Chrysene	<0.20	1
Benzo(b)fluoranthene	<0.20	1
Benzo(j)fluoranthene	<0.20	1
Benzo(k)fluoranthene	<0.20	1
Dibenzo(a,h)anthracene	<0.20	1



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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) Transparent plastic (cover).
- (2) Blue plastic (cover parts).
- (3) Black plastic (cover parts).
- (4) Printing on the plastic over.
- (5) Printing on camera.
- (6) White string.
- (7) Black plastic (camera).
- (8) Transparent plastic (the camera).

Date sample received : May 19, 2023

Test Period : May 19, 2023 to Jun 05, 2023



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(3) Phthalate Content Test

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

Compound	Result (% w/w)			Limit (% w/w)
	(1)	(2)	(3)	
Dibutyl phthalate (DBP)	<0.0100	<0.0100	<0.0100	--
Diethyl hexyl phthalate (DEHP)	<0.0100	<0.0100	<0.0100	--
Benzyl butyl phthalate (BBP)	<0.0100	<0.0100	<0.0100	--
Diisobutyl phthalate (DIBP)	<0.0100	<0.0100	<0.0100	--
Sum of DBP, DEHP, BBP & DIBP	<0.0100	<0.0100	<0.0100	0.1

Compound	Result (% w/w)			Limit (% w/w)
	(4)	(5)	(6/7)	
Dibutyl phthalate (DBP)	<0.0100	<0.0100	<0.0100	--
Diethyl hexyl phthalate (DEHP)	<0.0100	<0.0100	<0.0100	--
Benzyl butyl phthalate (BBP)	<0.0100	<0.0100	<0.0100	--
Diisobutyl phthalate (DIBP)	<0.0100	<0.0100	<0.0100	--
Sum of DBP, DEHP, BBP & DIBP	<0.0100	<0.0100	<0.0100	0.1

Compound	Result (% w/w)	Limit (% w/w)
	(8)	
Dibutyl phthalate (DBP)	<0.0100	--
Diethyl hexyl phthalate (DEHP)	0.0100	--
Benzyl butyl phthalate (BBP)	<0.0100	--
Diisobutyl phthalate (DIBP)	<0.0100	--
Sum of DBP, DEHP, BBP & DIBP	0.0100	0.1



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The above limit was quoted according to Annex XVII Item 51 of the REACH Regulation (EC) no. 1907/2006, amendment no. 552/2009 & 2018/2005 for articles placed on the market.

Tested Components:

- (1) Transparent plastic (cover).
- (2) Blue plastic (cover parts).
- (3) Black plastic (cover parts).
- (4) Printing on the plastic over.
- (5) White string.
- (6) Black plastic (camera).
- (7) Transparent plastic (the camera).
- (8) Printing on camera.

Date sample received : May 19, 2023 and Jun 21, 2023

Test Period : May 19, 2023 to Jun 28, 2023



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(4) 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
(1/2/3)	ND	0.05
(4/5)	ND	0.05
(6)	ND	0.05
(7/8)	ND	0.05

ND : Not detected (< 0.002%)

Tested Components:

- (1) Transparent plastic (cover).
- (2) Blue plastic (cover parts).
- (3) Black plastic (cover parts).
- (4) Printing on the plastic over.
- (5) Printing on camera.
- (6) White string.
- (7) Black plastic (camera).
- (8) Transparent plastic (the camera).

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Test Period : May 19, 2023 to Jun 04, 2023



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(5) Waterproof Test

Test Standard : In-house test method per applicant's specification.

Test procedure:

(1) The submitted sample was immersed into water, at a depth of one (1) metre from water surface for a duration of thirty (30) minutes.

(2) Observation was made for any water penetrated into the waterproof casing after immersion.

Number of sample tested : One (1) piece.

Result:

No water was found to be penetrated into the waterproof casing of tested sample after testing.

Date sample received : May 23, 2023; Jul 14, 2023

Testing period : May 23, 2023 to May 27, 2023; Jul 14, 2023 to Jul 20, 2023



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End of report

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