

## TEST REPORT

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

Number: HKGH0302249702

Date: Jul 27, 2023

Sample and Information provided by customer :  
Item Name : **Mini Swim Goggles Mermaid**  
Item Code : SCMSGNST  
Quantity : 10 pairs  
Supplier : Mystyle  
Country of Origin : China

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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) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52, amendment no. 552/2009 & 2018/2005 - Phthalates content	Pass
(2) 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
(3) 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
(4) 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
(5) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Item 50 - Polycyclic aromatic hydrocarbons content	Pass
(6) 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

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**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 inhered 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) 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)	(5/6)	
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
Diisononyl phthalate (DINP)	<0.0100	<0.0100	<0.0100	--
Di-n-octyl phthalate (DnOP)	<0.0100	<0.0100	<0.0100	--
Diisodecyl phthalate (DIDP)	<0.0100	<0.0100	<0.0100	--
Sum of DINP, DnOP & DIDP	<0.0100	<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) White coating on plastic (logo).
- (2) Dim pink plastic (decoration).
- (3) Dull light pink/ pink/ dull blue plastic (strap, eye cup, star).
- (4) Light pink plastic (nose bridge).
- (5) Transparent plastic (lens).
- (6) Clear transparent plastic (strap holder).

Date sample received : Jun 13, 2023

Test Period : Jun 13, 2023 to Jun 24, 2023



# TEST REPORT

Number : HKGH0302249702

(2) 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)	(5/6)	
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
Diisononyl phthalate (DINP)	<0.0100	<0.0100	<0.0100	--
Di-n-octyl phthalate (DnOP)	<0.0100	<0.0100	<0.0100	--
Diisodecyl phthalate (DIDP)	<0.0100	<0.0100	<0.0100	--
Sum of DINP, DnOP & DIDP	<0.0100	<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) White coating on plastic (logo).
- (2) Dim pink plastic (decoration).
- (3) Dull light pink/ pink/ dull blue plastic (strap, eye cup, star).
- (4) Light pink plastic (nose bridge).
- (5) Transparent plastic (lens).
- (6) Clear transparent plastic (strap holder).

Date sample received : Jun 13, 2023  
 Test Period : Jun 13, 2023 to Jun 24, 2023



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### (3) 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
(5/6/7)	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) White coating on plastic (logo).
- (2) Dull light pink/ pink plastic (strap, eye cup, star).
- (3) Dim pink plastic (decoration).
- (4) Dull blue plastic (star).
- (5) Light pink plastic (nose bridge).
- (6) Transparent plastic (lens).
- (7) Clear transparent plastic (strap holder).

Date sample received : Jun 13, 2023

Test Period : Jun 13, 2023 to Jun 25, 2023



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(4) 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
(5/6/7)	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) White coating on plastic (logo).
- (2) Dull light pink/ pink plastic (strap, eye cup, star).
- (3) Dim pink plastic (decoration).
- (4) Dull blue plastic (star).
- (5) Light pink plastic (nose bridge).
- (6) Transparent plastic (lens).
- (7) Clear transparent plastic (strap holder).

Date sample received : Jun 13, 2023

Test Period : Jun 13, 2023 to Jun 25, 2023



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## (5) 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)	
Benzo(a)pyrene	<0.20	<0.20	1
Benzo(e)pyrene	<0.20	<0.20	1
Benzo(a)anthracene	<0.20	<0.20	1
Chrysene	<0.20	<0.20	1
Benzo(b)fluoranthene	<0.20	<0.20	1
Benzo(j)fluoranthene	<0.20	<0.20	1
Benzo(k)fluoranthene	<0.20	<0.20	1
Dibenzo(a,h)anthracene	<0.20	<0.20	1

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) Dim pink plastic (decoration).
- (2) Dull light pink/ pink/ dull blue plastic (strap, eye cup, star).
- (3) Light pink plastic (nose bridge).
- (4) Transparent plastic (lens).
- (5) Clear transparent plastic (strap holder).

Date sample received : Jun 13, 2023

Test Period : Jun 13, 2023 to Jun 26, 2023



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## (6) 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)	
Benzo(a)pyrene	<0.20	<0.20	1
Benzo(e)pyrene	<0.20	<0.20	1
Benzo(a)anthracene	<0.20	<0.20	1
Chrysene	<0.20	<0.20	1
Benzo(b)fluoranthene	<0.20	<0.20	1
Benzo(j)fluoranthene	<0.20	<0.20	1
Benzo(k)fluoranthene	<0.20	<0.20	1
Dibenzo(a,h)anthracene	<0.20	<0.20	1

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) Dim pink plastic (decoration).
- (2) Dull light pink/ pink/ dull blue plastic (strap, eye cup, star).
- (3) Light pink plastic (nose bridge).
- (4) Transparent plastic (lens).
- (5) Clear transparent plastic (strap holder).

Date sample received : Jun 13, 2023

Test Period : Jun 13, 2023 to Jun 26, 2023





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End of report

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