

## Test Report

Number: SZHH01457827

Applicant:

[Redacted Applicant Information]

Date: May 18, 2020

Attn: [Redacted]

### Sample Description:

Nineteen (19) pieces of submitted sample said to be :

- Item Name : **Face Shield.**
- Item No. : **HS01.**
- Manufacturer : [Redacted]
- Country of Origin : China.
- Date Sample Received : Apr 30, 2020.
- Testing Period : Apr 30, 2020 ~ May 18, 2020.



### Tests conducted:

As requested by the applicant, refer to attached page(s) for details.



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Conclusion:

<u>Tested Sample</u> Tested component(s) of submitted samples	<u>Standard/Testing Item</u>	<u>Result</u>
	Short Chain Chlorinated Paraffin (C10 - C13) (SCCP) content requirement in Regulation (EU) 2019/1021 on persistent organic pollutants (POPs) content	Pass
	Organotin content requirement in Annex XVII Item 20 of the REACH Regulation (EC) No. 1907/2006 and amendment (EU) No. 552/2009 and (EU) No. 276/2010	Pass
	Polycyclic Aromatic Hydrocarbons (PAHs) Content Requirement in Annex XVII Item 50 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 and 1272/2013	Pass
	Phthalates content requirement in Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & (EU) 2018/2005. [(EU) 2018/2005 is applicable to products including toys and childcare articles placed on the market after 7 July 2020]	Pass
	Cadmium content requirement in REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and amendment No. 552/2009, 494/2011, 835/2012 and 2016/217	Pass
	Lead content requirement in Annex XVII Item 63 of the REACH Regulation (EC) No. 1907/2006 and amendment No. 552/2009, 836/2012, 2015/628 with effective from 1 June 2016	Pass

Authorized by:  
For Intertek Testing Services  
Shenzhen Ltd.



Rachel L. Guo  
General Manager



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### Tests Conducted

#### 1 Short Chain Chlorinated Paraffin (C10 - C13) (SCCP) Content

Solvent extraction method was used, Short Chain Chlorinated Paraffin (C10 - C13) (SCCP) content was determined by Gas Chromatography-Mass Spectrometry (GC-MS).

Element/Test Item	CAS No.	3+4+6	5	-	-	-	Units	D.L.	Limit
Short Chained Chlorinated Paraffins (SCCP) C10~C13	85535-84-8	ND	ND	-	-	-	%	0.005	0.15

#### Remarks:

D.L. = Detection Limit

ND = Not detected (less than detection limit)

Tested Component(s): See component list in the last section of this report

#### 2 Organotin Content

With reference to ISO/TS 16179:2012, organotin content was determined by Gas Chromatography Mass Spectrometry (GC-MS) analysis.

EEC Regulated Organotins

Element/Test Item	CAS No.	3+5+6	4	-	-	-	Units	D.L.	Limit of Tin
Tri-substituted organotin <sup>^</sup>	-	ND	ND	-	-	-	%	0.0001	0.1
Di-n-butyltin (DBT)	683-18-1	ND	ND	-	-	-	%	0.0001	0.1
Di-n-octyltin (DOT)	3542-36-7	ND	ND	-	-	-	%	0.0001	0.1

#### Remarks:

D.L. = Detection Limit

ND = Not detected (less than detection limit)

<sup>^</sup> = The reported value was calculated by summation of the values of Tri-butyltin, Tri-phenyltin, Tri-methyltin, Tri-octyltin, Tri-cyclohexyltin

Tested Component(s): See component list in the last section of this report



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### Tests Conducted

#### 3 Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2014:01 PAK (PAH), PAHs content was determined by Gas Chromatography-Mass Spectrometry (GC-MS).

##### Consumer products other than toys and childcare articles

Element/Test Item	CAS No.	3+4+5	6	-	-	-	Units	D.L.	Limit
Benzo[a]anthracene	56-55-3	ND	ND	-	-	-	mg/kg	0.2	1
Chrysene	218-01-9	ND	ND	-	-	-	mg/kg	0.2	1
Benzo[b]fluoranthene	205-99-2	ND	ND	-	-	-	mg/kg	0.2	1
Benzo[k]fluoranthene	207-08-9	ND	ND	-	-	-	mg/kg	0.2	1
Benzo[a]pyrene	50-32-8	ND	ND	-	-	-	mg/kg	0.2	1
Dibenzo[a,h]anthracene	53-70-3	ND	ND	-	-	-	mg/kg	0.2	1
Benzo[j]fluoranthene	205-82-3	ND	ND	-	-	-	mg/kg	0.2	1
Benzo[e]pyrene	192-97-2	ND	ND	-	-	-	mg/kg	0.2	1

#### Remarks:

D.L. = Detection Limit

ND = Not detected (less than detection limit)

Tested Component(s): See component list in the last section of this report

#### 4 Phthalate Content

With reference to International Standard ISO 8124-6:2018, and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

##### For 4 phthalates

Element/Test Item	CAS No.	1	2	3+4+5	-	-	Units	D.L.	Limit
Di-butyl phthalate (DBP)	84-74-2	ND	ND	ND	-	-	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	-	-	%	0.005	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	-	-	%	0.005	-
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	-	-	%	0.005	-
Sum of DBP,DEHP,BBP and DIBP	-	ND	ND	ND	-	-	%	0.005	0.1

#### Remarks:

D.L. = Detection Limit

ND = Not detected (less than detection limit)

Tested Component(s): See component list in the last section of this report



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### Tests Conducted

#### 5 Cadmium (Cd) Content

With reference to test method IEC 62321-5:2013, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

##### Surface coating

Element/Test Item	1	-	-	-	-	Units	D.L.	Limit
Cadmium (Cd)	ND	-	-	-	-	%	0.0005	0.1

##### Plastic

Element/Test Item	2	3+4+5	-	-	-	Units	D.L.	Limit
Cadmium (Cd)	ND	ND	-	-	-	%	0.0005	0.01

##### Remarks:

D.L. = Detection Limit

ND = Not detected (less than detection limit)

Tested Component(s): See component list in the last section of this report

#### 6 Total Lead (Pb) Content

With reference to IEC 62321-5:2013, acid digestion was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element/Test Item	1	2	3+4+5	-	-	Units	D.L.	Limit
Lead (Pb)	ND	ND	ND	-	-	%	0.001	0.05

##### Remarks:

D.L. = Detection Limit

ND = Not detected (less than detection limit)

Tested Component(s): See component list in the last section of this report



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Tests Conducted

### Component List

No.	Test Component Description(s)
(1)	Coatings (white, blue) on plastic (pattern).
(2)	Transparent plastic (body).
(3)	White elastic band (fastener).
(4)	White plastic (buckle).
(5)	White sponge with glue (pad).
(6)	Transparent plastic with coatings (body).

End of report

*The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $w = U$ ) except designation from the customer, regulation or test specification.*

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