

Date:

Apr 20, 2020

BESTSUB TECHNOLOGIES CO LTD Applicant:

RM 4411, GRANDVIEW EAST INTERNATIONAL PLAZA, NO 372, HUANSHI DONG ROAD, YUEXIU

DISTRICT, GUANGZHOU GUANGDONG

510060 CHINA

Sample Description:

Eight (8) pieces of submitted sample said to be :

Item Name **Sublimation Non-Medical Face Mask**

Item No. BKZ03 Country of Origin China



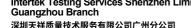
Tests conducted:

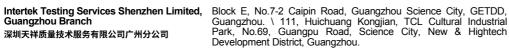
As requested by the applicant, refer to attached page(s) for details.

To be continued



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Conclusion:

Tested sample Standard Result

Tested component (1+2) Cadmium content requirement in REACH regulation Annex XVII See comment of submitted sample(s)

Item 23 (EC) No 1907/2006 and amendment No. 552/2009, 494/2011, 835/2012 and 2016/217

Other tested component(s) -Ditto-**Pass** of submitted sample(s)

Tested components of **Pass** Lead Content Requirement in Annex XVII Entry 63 of the submitted sample(s)

REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 836/2012, (EU) 2015/628 with effective

from 1 June 2016

Organotin content requirement in Annex XVII item 20 of the **Pass**

REACH Regulation (EC) No. 1907/2006 and amendment (EU)

No. 552/2009 and No. 276/2010

Tested component (1+2) Phthalates Content Requirement in Annex XVII Entry 51 & 52 See comment

of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) 2018/2005. [(EU)

2018/2005 is applicable to products including toys and childcare articles placed on the market after 7 July 2020]

-Ditto-Other tested component(s) **Pass** of submitted sample(s)

Tested components of German Chemicals Prohibition Ordinance Appendix 15 on Pass

submitted sample(s) Pentachlorophenol

> Test Item Applicant's requirement on phthalates content Pass Based on California Proposition 65

Applicant's requirement for heavy metal content based on **Pass** California Proposition 65

Comment: The testing scope of the following standard was not applicable to the component. However, the test results of the component met the related requirements as stated in this report.

Authorized by:

For Intertek Testing Services Shenzhen Ltd.

Guangzhou Branch, Hardlines

of submitted sample(s)

Victor T.J/Wang Assistant General Manager

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Tests Conducted

1 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.

	Result (%)	Reporting
<u>Element</u>	<u>Tested Component</u>	<u>Limit</u> (%)
	(1+2), (3)	<u>(%)</u>
Cadmium (Cd)	ND	0.0005

Limit:

Category	Limit (%)
Wet paint	0.01
Surface coating	0.1
Plastic	0.01
Metal parts of jewelry & hair accessories	0.01

ND = Not detected (less than reporting limit)

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

Date sample received: Apr 14, 2020

Testing period: Apr 14, 2020 to Apr 17, 2020

2 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.

Flores	Result (%)	Reporting	Limit
<u>Element</u>	Tested Component	<u>Limit</u>	<u>Limit</u> <u>(%)</u>
	<u>(1+2), (3)</u>	<u>(%)</u>	(70)
Lead (Pb)	ND	0.001	0.05

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009, (EU) No 836/2012, (EU) 2015/628, Annex XVII Entry 63 on total lead in jewellery articles and articles which may be placed in the mouth by children during normal or reasonably foreseeable conditions of use.

ND = Not detected (less than reporting limit)

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

Date sample received: Apr 14, 2020

Testing period: Apr 14, 2020 to Apr 17, 2020



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Tests Conducted

3 Organotin Content Screening

By acid digestion and determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Test item</u>	Result (%) Tested component (1+2), (3)	Reporting limit (%)	<u>Limit</u> (%)
Tin (Sn)	ND	0.005	0.1

The above limit was quoted according to Annex XVII Items 20 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) No. 552/2009 & (EU) No. 276/2010 for organotin content.

ND = Not detected (less than reporting limit)

Tested Components: See component list in the last section of this report

Date sample received: Apr 14, 2020

Testing period: Apr 14, 2020 to Apr 17, 2020

4 Phthalate Content

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

For 4 phthalates

<u>Test Item</u>	CAS No.	Result (%) Tested Component (1+2), (3)	Reporting Limit (%)	<u>Limit</u> (%)
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.005	
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	I
Sum of DBP, DEHP, BBP and DIBP		ND	1	0.1

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2018/2005, Annex XVII Entry 51 & 52 on Phthalate Content.

For non-toys and non-childcare articles, the limit (sum of DBP, DEHP, BBP and DIBP) was quoted from Commission Regulation (EU) 2018/2005 effective from 7 July 2020.

ND = Not detected (less than reporting limit)

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

Date sample received: Apr 14, 2020

Testing period: Apr 14, 2020 to Apr 17, 2020









Tests Conducted

5 Pentachlorophenol (PCP) Content

With reference to LFGB B 82.02-8:2001 for textile, ISO 17070:2015 for leather and EN71-10:2005&EN71-11:2005 for wood.

<u>Test item</u>	Cas No.	Result (mg/kg) Tested component (1+2+3)	Reporting limit (mg/kg)	<u>Limit</u> (mg/kg)
Pentachlorophenol (PCP)	87-86-5	ND	0.5	5

ND = Not detected (less than reporting limit)

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

Date sample received: Apr 14, 2020

Testing period: Apr 14, 2020 to Apr 17, 2020

6 Phthalate Content (CA 65 Requirement)

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

<u>Test Item</u>	CAS No.	Result (%) Tested component (1+2), (3)	Reporting limit (%)	Limit (%)
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1
Di-n-octyl phthalate(DNOP)	117-84-0	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	ND	0.01	0.1
Di-cyclohexyl phthalate(DCHP)	84-61-7	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	0.01	0.1

ND = Not detected

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

Date sample received: Apr 14, 2020

Testing period: Apr 14, 2020 to Apr 17, 2020







Tests Conducted

7 Total Lead (Pb) Content (CA 65 Requirement)

By microwave digestion and followed by Inductively Coupled Plasma (ICP) Spectrophotometric analysis.

	Result (ppm)	Reporting		
<u>Element</u>	Tested Component	Limit	<u>Limit</u> (ppm)	
	<u>(1+2), (3)</u>	(ppm)	(ppm)	
Lead (Pb)	ND	10	100	

ppm = parts per million = mg/kg ND = Not detected

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

Date sample received: Apr 14, 2020

Testing period: Apr 14, 2020 to Apr 17, 2020

Component list:

- White knit (surface of mask).
- Beige knit (back of mask).
- White elastic band (fastener of mask).

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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