

## Test Report

Number: GZHH00359416

Applicant: BESTSUB TECHNOLOGIES CO LTD  
RM 4411, GRANDVIEW EAST INTERNATIONAL  
PLAZA, NO 372, HUANSHI DONG ROAD, YUEXIU  
DISTRICT, GUANGZHOU GUANGDONG  
510060 CHINA

Date: Apr 20, 2020

### 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**



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### Tests conducted:

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

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To be continued



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### Conclusion:


<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested component (1+2) of submitted sample(s)	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	See comment
Other tested component(s) of submitted sample(s)	-Ditto-	Pass
Tested components of submitted sample(s)	Lead Content Requirement in Annex XVII Entry 63 of the 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	Pass
	Organotin content requirement in Annex XVII item 20 of the REACH Regulation (EC) No. 1907/2006 and amendment (EU) No. 552/2009 and No. 276/2010	Pass
Tested component (1+2) of submitted sample(s)	Phthalates Content Requirement in Annex XVII Entry 51 & 52 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]	See comment
Other tested component(s) of submitted sample(s)	-Ditto-	Pass
Tested components of submitted sample(s)	German Chemicals Prohibition Ordinance Appendix 15 on Pentachlorophenol	Pass
	<u>Test Item</u> Applicant's requirement on phthalates content Based on California Proposition 65	Pass
	Applicant's requirement for heavy metal content based on California Proposition 65	Pass

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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.

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Authorized by:  
For Intertek Testing Services Shenzhen Ltd.  
Guangzhou Branch, Hardlines

  
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.

Element	Result (%)	Reporting Limit (%)
	Tested Component	
	(1+2), (3)	
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.

Element	Result (%)	Reporting Limit (%)	Limit (%)
	Tested Component		
	(1+2), (3)		
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.

Test item	Result (%)	Reporting limit (%)	Limit (%)
	Tested component		
	(1+2), (3)		
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

Test Item	CAS No.	Result (%)	Reporting Limit (%)	Limit (%)
		Tested Component		
		(1+2), (3)		
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	--
Sum of DBP, DEHP, BBP and DIBP	--	ND	--	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

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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.

Test item	Cas No.	Result (mg/kg)		Reporting limit (mg/kg)	Limit (mg/kg)
		Tested component			
		(1+2+3)			
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.

Test Item	CAS No.	Result (%)		Reporting limit (%)	Limit (%)
		Tested component			
		(1+2), (3)			
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

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**Test Report**

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Tests Conducted

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

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

Element	Result (ppm)	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(1+2), (3)		
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

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Component list:

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

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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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