Kaze Disposable Face Mask

Basic

Certificate and test reports

Directory

SGS REACH test reports Page 2-13 SGS EN 14683 type IIR test report Page 14-24 Kaze GB/T32610-2016 test reports Page 25-39 CE Page 40-41 **EU Declaration of Conformity** Page 42 ISO 10993-5:2009 - CSTBB20051119 Page 43-51 Page 52-62 ISO 10993-10:2010 - CSTBB20051120 Page 63-73 ISO 10993-10:2010 - CSTBB20051121



SL92109277300701FW

Date: July 05,2021

Page 1 of 12

HUIZHOU BOWEN MANUFACTURING LIMITED
XINNAN 1ST ROAD, XIANAN VILLAGE, YUANZHOU TOWN, BOLUO COUNTY, HUIZHOU CITY, GUANGDONG PROVINCE, P.R. China

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : Kaze Disposable Face Mask

Style No. : KAZE-02

Manufacture : Huizhou Bowen Manufacturing Limited

Country of Destination : Europe, United States

COLOR Tile

Composition Non-woven fabric 67%; Melt blown cloth 21%; ear thread 8%,nose clip 4%

Sample Receiving Date : Jun 25, 2021

Testing Period : Jun 25, 2021 - Jul 05, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the

sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

Overall Conclusion: PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printe overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document advised that information only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to transaction from exercising all their rights and colligations under the transaction documents. This document on the reproduce except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Report SL92109277300701FW Date: July 05,2021 Page 2 of 12

Conclusion European Regulation POPs (EU) 2019/1021 - Pentachlorophenol (PCP)	PASS
Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Azo Dyes(Direct reduction approach)	PASS
Entry 23 of Commission Regulation (EU) No 835/2012, (EU) No 494/2011 and (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Cadmium(Cd)	PASS
Entry 46a of Commission Regulation (EU) 2016/26 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Nonylphenol Ethoxylates(NPEOs)	PASS
Entry 20 of Regulation (EC) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organotin Compounds	PASS
European Regulation POPs (EU) 2019/1021 - Short Chain Chlorinated Paraffins (SCCP)	PASS
Entry 51 of Commission Regulation (EU) 2018/2005 amending Annex XVII Regulation (EC) No 1907/2006 - Phthalates	PASS
Fillialates	

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

wan

Ivan Xie (Technical Manager)



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification in and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solic responsibility is to its Cellent and this document does not exonerate parties to a transaction from exercising all their fights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law, unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) tested

or smail: CN. Descheck@ess.com 198 Redur Road, Sceled Park Gueraphou Economic Redundory Development Distric Guargehou, China 510663 t (86–20) 82155555 † (86–20) 82075169 www.sgsgroup.com.cn 中国・广州・经济技术开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 † (86–20) 82075169 e sgs.china@sgs.com

Remark



SL92109277300701FW

Date:July 05,2021

Page 3 of 12

Sample Photo























Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification in and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's sindings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and the document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unsultorized attention, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law, unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s)

198 Kezhu Road, Scientech Park Guangzhou Economick Technology Development District, Guangzhou, China 510663 t (86–20) 82155555 f (86–20) 82075169 www.sgsgroup.com.cn 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 † (86-20) 82155555 † (86-20) 82075169 e sgs.china@sgs.com



SL92109277300701FW

Date:July 05,2021

Page 4 of 12

COMPONENT LIST / List of Materials

Sample No.	Component No.	Description	Material	Color	Remark
Α	1	Outer non woven fabric	Synthetic Fibers	Dark grey	
Α	2	Melt-blown non woven fabric	Synthetic Fibers	White	
Α	3	Lining non woven fabric	Synthetic Fibers	White	
Α	4	Round band	Synthetic Fibers	Dark grey	
Α	5	Nose clip	Plastics	White	
A	6	Fabric interlining	Synthetic Fibers	Black	

1992 Find City Springs Springs

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's solic responsibility is to its Cellent and the document does not exonerate parties to a transaction from exercising all their fights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company, Any unauthorized attention, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law, unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) tested and s



SL92109277300701FW

Date:July 05,2021

Page 5 of 12

Test Result

European Regulation POPs (EU) 2019/1021 - Pentachlorophenol (PCP)

Test Method: Modified §64 LFGB, BVL, B 82.02.8-2001 Alkaline (KOH) digestion, analysis was performed

by GC-ECD or GC-MS.

Test Item(s)

Pentachlorophenol (PCP)

Comment

CAS NO. 87-86-5 1+2+3 ND PASS 4+6 ND PASS

Notes:

RL (Reporting limit): 0.15 mg/kg ND = Not Detected(< RL)

Requirement: Banned(< 0.5 mg/kg)

Inspection & Testing Services

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printe overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document advised that information only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to transaction from exercising all their rights and colligations under the transaction documents. This document on the reproduce except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Report SL92109277300701FW Date:July 05,2021 Page 6 of 12 Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Azo Dyes(Direct reduction approach)

Test Method: According to EN ISO 14362-1:2017, analysis was performed by GC-MS/ HPLC-DAD. Determination of 4-aminoazobenzene (CAS No.:60-09-3) – EN ISO 14362-3:2017, analysis was performed by GC-MS/ HPLC-DAD.

<u>Test Item(s)</u> 4-Aminobiphenyl	<u>CAS NO.</u> 92-67-1	1+4 ND
Benzidine	92-87-5	ND
4-chloro-o-toluidine	95-69-2	ND
2-naphthylamine	91-59-8	ND
o-aminoazotoluene	97-56-3	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND
4-chloroaniline	106-47-8	ND
4-methoxy-m-phenylenediamine /	615-05-4	ND
2,4-Diaminoanisole 4,4'-diaminodiphenylmethane, MDA	101-77-9	ND
3,3'-dichlorobenzidine	91-94-1	ND
3,3'-dimethoxybenzidine	119-90-4	ND
3,3'-dimethylbenzidine	119-93-7	ND
4,4'-methylenedi-o-toluidine/3,3'-Dimethyl-4,4'-di	838-88-0	ND
aminodiphenylmethane p-cresidine	120-71-8	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	ND
4,4'-oxydianiline	101-80-4	ND
4,4'-thiodianiline	139-65-1	ND
o-toluidine	95-53-4	ND
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine, TDA	95-80-7	ND
2,4,5-trimethylaniline	137-17-7	ND
4-aminoazobenzene	60-09-3	ND
O-Anisidine	90-04-0	ND
Comment		PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printe overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents subject to Terms and Conditions for Electronic Documents at https://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx.attention is drawn to the limitation of liaplify, indemnification and jurisdiction issues defined therein. Any holder of this document advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits (Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to transaction from exercising all their rights and obligations under the transaction documents. This document onto the reproduce except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

188 Kezhu Rosd, Scientech Park Guargithou Economic&Technology Development District Guargithou, China 510663 (86–20) 82155555 f (86–20) 82075169 www.sgsgroup.com.cn 中国 · 广州 · 经济技术开发区科学城科珠路198号 邮编: 510663 1 (86–20) 82155555 f (86–20) 82075169 e sgs.china@sgs.com



SL92109277300701FW

Date: July 05,2021

Page 7 of 12

Notes:

RL (Reporting limit): 5 mg/kg (for individual compound)

ND = Not Detected(< RL)

Requirement: 30 mg/kg (for individual compound)

1. Direct reduction (Method A) refers to the extraction and reduction according to EN ISO 14362-1:2017 clause 10.2 and relevant clauses. Colorant extraction (Method B) refers to the colourant extraction and subsequent reduction according to EN ISO 14362-1:2017 Clause 10.1 and relevant clauses.

2. 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.

3. In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly, for pigment prints, MDA will be released from a chemical fixing agent.

4. EN ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "ND" (i.e. <5.0 mg/kg). Otherwise, EN ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.





omess otherwise agrees in wrung, mis decutient is issued by the Company subject to its ceneral continuous or service primer overlead, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Decument.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein for reflects the Company's findings at the time of its intervention only and within the limits of company and the company of the company and the company are contained to the company and the company are contained to the company and the company are contained to the company and the contained appearance of this document is entained and the contained appearance of this document is entained and the contained appearance of this document is entained and the contained appearance of this document is entained to the fallest extend of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only the properties of the contained of the contained to the fallest and the contained of the contained to the contained to the fallest and the contained to the contained to the fallest and the contained to the contained to the fallest and the contained to the contained the contained to the contained to the contained the contained



Test Report SL92109277300701FW Date:July 05,2021 Page 8 of 12 Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Azo Dyes(Colorant extraction approach)

Test Method: According to EN ISO 14362-1:2017, analysis was performed by GC-MS/ HPLC-DAD. Determination of 4-aminoazobenzene (CAS No.:60-09-3) – EN ISO 14362-3:2017, analysis was performed by GC-MS/ HPLC-DAD.

<u>Test Item(s)</u> 4-Aminobiphenyl	<u>CAS NO.</u> 92-67-1	1+4 ND
Benzidine	92-87-5	ND
4-chloro-o-toluidine	95-69-2	ND
2-naphthylamine	91-59-8	ND
o-aminoazotoluene	97-56-3	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND
4-chloroaniline	106-47-8	ND
4-methoxy-m-phenylenediamine /	615-05-4	ND
2,4-Diaminoanisole 4,4'-diaminodiphenylmethane, MDA	101-77-9	ND
3,3'-dichlorobenzidine	91-94-1	ND
3,3'-dimethoxybenzidine	119-90-4	ND
3,3'-dimethylbenzidine	119-93-7	ND
4,4'-methylenedi-o-toluidine/3,3'-Dimethyl-4,4'-di	838-88-0	ND
aminodiphenylmethane p-cresidine	120-71-8	ND
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	ND
4,4'-oxydianiline	101-80-4	ND
4,4'-thiodianiline	139-65-1	ND
o-toluidine	95-53-4	ND
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine, TDA	95-80-7	ND
2,4,5-trimethylaniline	137-17-7	ND
4-aminoazobenzene	60-09-3	ND
O-Anisidine	90-04-0	ND
Comment		PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printe overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.asp.and, for electronic format documents subject to Terms and Conditions of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.asp.attention is drawn to the limitation of ilability, indemnification and jurisdiction issues defined therein. Any holder of this document advised that information only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to transaction from exercising all their rights and obligations under the transaction document. This document on the reproduce except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



SL92109277300701FW

Date: July 05,2021

Page 9 of 12

Notes:

RL (Reporting limit):5 mg/kg (for individual compound)
ND = Not Detected(< RL)

Requirement: 30 mg/kg (for individual compound)

1. Direct reduction (Method A) refers to the extraction and reduction according to EN ISO 14362-1:2017 clause 10.2 and relevant clauses. Colorant extraction (Method B) refers to the colourant extraction and subsequent reduction according to EN ISO 14362-1:2017 Clause 10.1 and relevant clauses.

2. 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.

3. In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly, for pigment prints, MDA will be released from a chemical fixing agent.

4. EN ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "ND" (i.e. <5.0 mg/kg). Otherwise, EN ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.



計算の Inspection & Testing Services の SCSS

omess otherwise agrees in wrung, mis decutient is issued by the Company subject to its ceneral continuous or service primer overlead, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Decument.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein for reflects the Company's findings at the time of its intervention only and within the limits of company and the company of the company and the company are contained to the company and the company are contained to the company and the company are contained to the company and the contained appearance of this document is entained and the contained appearance of this document is entained and the contained appearance of this document is entained and the contained appearance of this document is entained to the fallest extend of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only the properties of the contained of the contained to the fallest and the contained of the contained to the contained to the fallest and the contained to the contained to the fallest and the contained to the contained to the fallest and the contained to the contained the contained to the contained to the contained the contained



SL92109277300701FW

Date:July 05,2021

Page 10 of 12

Entry 23 of Commission Regulation (EU) No 835/2012, (EU) No 494/2011 and (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Cadmium(Cd)

Test Method: With reference to EN 1122: 2001, Method B, analysis was performed by AAS.

Test Item(s)

Cadmium (Cd) Comment

Notes:

ND **PASS**

RL (Reporting limit): 5 mg/kg ND = Not Detected(< RL) Requirement: 100 mg/kg

Entry 46a of Commission Regulation (EU) 2016/26 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Nonylphenol Ethoxylates(NPEOs)

Test Method: With reference to ISO 18254-1:2016, analysis was performed by LC-MS

Test Item(s)

Nonylphenol Ethoxylate (NPEO)

1+2+3

4+6 ND

Comment

ND **PASS**

PASS

Notes:

RL (Reporting limit):30 mg/kg ND = Not Detected(< RL) Requirement: 100 mg/kg





SL92109277300701FW

Date: July 05,2021

Page 11 of 12

Entry 20 of Regulation (EC) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organotin Compounds

Test Method: SGS In-house method (GZTC CHEM-TOP-031, with reference to ISO 17353:2004), analysis was performed by GC-MS.

Test Item(s) Dibutyl tin (DBT) by weight of Tin Dioctyl tin (DOT) by weight of Tin Tributyl tin (TBT) by weight of Tin Triphenyl tin (TPhT) by weight of Tin Tricyclohexyltin (TCyT) by weight of Tin Trioctyltin (TOT) by weight of Tin Tripropyltin (TPT) by weight of Tin Trimethyltin(TMT) by weight of Tin Σ of Tri substituted organotin compounds calculated as tin Comment	1+2+3 ND ND ND ND ND ND ND ND ND ND
Test Item(s) Dibutyl tin (DBT) by weight of Tin Dioctyl tin (DOT) by weight of Tin Tributyl tin (TBT) by weight of Tin Triphenyl tin (TPhT) by weight of Tin Tricyclohexyltin (TCyT) by weight of Tin Trioctyltin (TOT) by weight of Tin Tripropyltin (TPT) by weight of Tin Trimethyltin(TMT) by weight of Tin Σ of Tri substituted organotin compounds calculated as tin Comment	4+6 ND ND ND ND ND ND ND ND ND ND
Test Item(s) Dibutyl tin (DBT) by weight of Tin Dioctyl tin (DOT) by weight of Tin Tributyl tin (TBT) by weight of Tin Triphenyl tin (TPhT) by weight of Tin Tricyclohexyltin (TCyT) by weight of Tin Trioctyltin (TOT) by weight of Tin Tripropyltin (TPT) by weight of Tin Trimethyltin(TMT) by weight of Tin Σ of Tri substituted organotin compounds calculated as tin Comment	5 ND ND ND ND ND ND ND ND ND

Notes:

RL (Reporting limit): 100 mg/kg (for individual compound)

ND = Not Detected (< RL)

Requirement:

Tri substituted Organotin compound (TBT,TPhT,TCyT,TPT,TOT,TMT): 1000 mg/kg by weight of

tin

(sum)

DBT: 1000 mg/kg by weight of tin DOT: 1000 mg/kg by weight of tin



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printe overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents subject to Terms and Conditions of Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to transaction from exercising all their rights and obligations under the transaction documents. This document onto be reproduce except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content of appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



SL92109277300701FW

Date: July 05,2021

Page 12 of 12

European Regulation POPs (EU) 2019/1021 - Short Chain Chlorinated Paraffins (SCCP)

Test Method: With reference to ISO 18219: 2015, analysis was performed by GC-NCI-MS / GC-ECD.

Test Item(s)

Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)

Comment

ND PASS

Notes:

RL (Reporting limit): 50 mg/kg ND = Not Detected(< RL) Requirement: 1500 mg/kg

Entry 51 of Commission Regulation (EU) 2018/2005 amending Annex XVII Regulation (EC) No 1907/2006 - Phthalates

Test Method: With reference to EN14372: 2004. Analysis was performed by GC-MS.

<u>Test Item(s)</u> Dibutyl Phthalate (DBP)	<u>CAS NO.</u> 84-74-2	5 ND
Benzylbutyl Phthalate (BBP)	85-68-7	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND
Total (DBP + BBP + DEHP+DIBP)	-	ND

Comment PASS

Notes:

RL (Reporting limit): 30 mg/kg (each)

ND = Not Detected(< RL)

Requirement: Total (BBP+DBP+DEHP+DIBP) <1000 mg/kg

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed versilead, available on request or accessible at http://www.sas.com/en/Terms-and-Conditions.aspx, and, for electronic format documents, this this ways, com/en/Terms-and-Conditions for Electronic Documents at http://www.sas.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a rensaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the eaults shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.







Test Report

SL52035286549901TX

Date:September 07,2020

Page 1 of 4

HUIZHOU BOWEN MANUFACTURING LIMITED
XINNAN 1ST ROAD, XIANAN VILLAGE, YUANZHOU TOWN, BOLUO COUNTY, HUIZHOU CITY,
GUANGDONG PROVINCE, P.R.CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Disposable face mask

Composition : (A)67% Non-woven fabric + 33% Melt blown cloth

Sample Color : (A)white
Style No. : KAZE-02
Lot No. : 202008

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Aug 24, 2020

Testing Period : Aug 24, 2020 - Sep 07, 2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the

sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)

Jongs Helen Flori

Dongjing Liu / Hailian Xuan (Authorized Signatory)



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Document.aspx.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, place contact us at telephone: (86-755) 8307-1443, or email: CN. Doccheck-Moss.com

3rd Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国・上海・徐汇区宜山路889号3号楼 邮編: 200233 t (86-21) 61402666 t (86-21) 61402666 f (86-21) 64958763 f (86-21) 64958763







Test Report

SL52035286549901TX

Date:September 07,2020

Page 2 of 4

Test Result

EN 14683:2019+AC:2019 Medical Face Masks-Requirements and Test Methods

Clause 5.2 Performance Requirement

Clause 5.2.2 Bacterial Filtration Efficiency (BFE)

(EN 14683:2019+AC:2019 Annex B)

Sample: A

Test Side : Inside

Test Area : Approximately 60 cm²

Flow Rate : 28.3 L/min

Pre-Conditioning : Minimum of 4 hours at 21±5°C and 85±5% R.H.

Dimensions of test specimen : ~175mm x 165mm

Positive Control Average : 2744 CFU
Negative Monitor Count : < 1 CFU
Mean Particle Size : 3.0 ±0.3µm

Test bacteria : Staphylococcus aureus ATCC 6538

Test Item	Specimen No.	Result
	1	99.9%
Posterial Filtration Efficiency	2	99.9%
Bacterial Filtration Efficiency (BFE)	3	99.9%
(BFC)	4	99.9%
	5	99.9%

Remark:

- 1) Performance Requirement: Type I≥95%, Type II≥98%, Type IIR≥98%
- 2) The number of specimens that shall be tested is minimum 5, but can be greater and shall be increased if necessary to allow for an AQL(Acceptable Quality Level) of 4%.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx.

Attention is drawn to the limitation of liability, indemnification and jurisdiction sesses defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any, The Company's sole responsibility is to its Client and this document ose not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery of raisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CND occesses (2005) 2005.

3rdBuilding,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国 • 上海 • 徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 t (86-21) 61402666 f (86-21) 64958763 f (86-21) 64958763







Test Report

SL52035286549901TX

Date:September 07,2020

Page 3 of 4

Clause 5.2.3 Breathability

(EN 14683:2019+AC:2019 Annex C)

Sample: A

Test Side : Randomly test in different location (1 around and 4 away from the centric

point) on each of the 5 masks

Pre-Conditioning : Minimum of 4 hours at 21±5°C and 85±5% R.H.

Test Area : 4.9 cm² Flow Rate : 8 l/min

· ·				¥
Specimen No.	Test Area No.	Different Pressure for each tested area (Pa/cm²)		alue for each test n (Pa/cm²)
	1-1	33.0	op comme	
	1-2	36.5	•	
1	1-3	39.2	1 ;	37
	1-4	35.5		
	1-5	39.9		
	2-1	34.4		
	2-2	32.4		
2	2-3	34.5		35
	2-4	37.3		
	2-5	38.3		
	3-1	36.5		
	3-2	35.2		
3	3-3	33.6		36
	3-4	34.8		
	3-5	38.7		
	4-1	39.0		
	4-2	33.8		
4	4-3	37.2		37
	4-4	36.5		
	4-5	37.4		
	5-1	35.6		
	5-2	35.2		
5	5-3	39.6		37
	5-4	38.7	*	
	5-5	36.4		

Remark:

1) Performance Requirement: Type I<40 Pa/cm², Type II<40 Pa/cm², Type IIR<60 Pa/cm²

2) The number of specimens that shall be tested is minimum 5, but can be greater and shall be increased if necessary to allow for an AQL(Acceptable Quality Level) of 4%.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx.
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or emails: CN. Doccheck@sgs.com

3[™]Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国 • 上海 • 徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 t (86-21) 61402666 f (86–21) 64958763 f (86–21) 64958763







Test Report

SL52035286549901TX

Date:September 07,2020

Page 4 of 4

Clause 5.2.5 Microbial Cleanliness

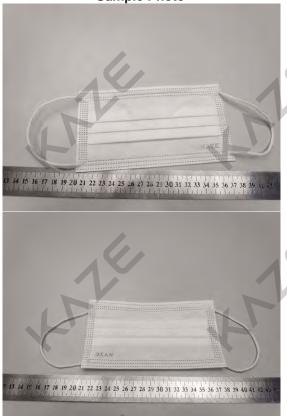
(EN 14683:2019+AC:2019 Annex D and EN ISO 11737-1:2018)

Sample: A

Test Specimen# Mask Weight(g)		Total Bioburden, (CFU/mask)	Total Bioburden, (CFU/g)
1#	3.31	57	17.22
2#	3.27	33	10.09
3#	3.27	57	17.43
4#	3.30	75	22.73
5#	3.29	27	8.21

Remark: Performance Requirement: Type I≤30 CFU/g, Type II≤30 CFU/g, Type IIR≤30 CFU/g





The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx.
Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or emails: CN. Doccheck@sgs.com

3rdBuilding,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国 • 上海 • 徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 t (86-21) 61402666 f (86-21) 64958763 f (86-21) 64958763







SL52115283915201TX

Date:July 30,2021

Page 1 of 4

HUIZHOU BOWEN MANUFACTURING LIMITED
XINNAN 1ST ROAD, XIANAN VILLAGE, YUANZHOU TOWN, BOLUO COUNTY, HUIZHOU CITY,
GUANGDONG PROVINCE, P.R.CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Kaze Disposable Face Mask

Sample Color : (A)Tile

Composition : (A)67%Non-woven fabric; 21%Melt blown cloth; 8%ear thread, 4%nose clip

 Style No.
 : KAZE

 Model No.
 : KAZE-02

 Lot No.
 : 2021.06

Manufacturer : HUIZHOU BOWEN MANUFACTURING LIMITED

Country of Destination : Europe, USA Sample Dimension : 175mm * 95mm

Claimed Type/Level : Type IIR

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jul 16, 2021

Testing Period : Jul 19, 2021 - Jul 30, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the

sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)

Dongjing Liu / Hailian Xuan (Authorized Signatory)

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CS. Doccheckedoss.com

3rdBuilding,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国 • 上海 • 徐汇区宜山路889号3号楼 邮编: 200233

t (86-21) 61402666

f (86-21) 64958763



SL52115283915201TX

Date: July 30,2021

Page 2 of 4

Test Result

EN 14683:2019+AC:2019 Medical Face Masks-Requirements and Test Methods

Clause 5.2 Performance Requirement

Clause 5.2.2 Bacterial Filtration Efficiency (BFE)

(EN 14683:2019+AC:2019 Annex B)

Sample: A

Test Side : Inside

Test Area : Approximately 60 cm²

Flow Rate : 28.3 L/min

Pre-Conditioning : Minimum of 4 hours at 21±5°C and 85±5% R.H.

Dimensions of test specimen : ~176mm x 170mm

Positive Control Average : 2782.5 CFU

Negative Monitor Count : <1 CFU

Mean Particle Size : 3.0 ±0.3µm

Test bacteria : Staphylococcus aureus ATCC 6538

Test Item	Specimen No.	Result
. (/)	1	99.9%
Destarial Filtration Efficiency	2	99.9%
Bacterial Filtration Efficiency	3	99.9%
(BFE)	4	99.9%
	5	99.9%

Remark:

- 1) Performance Requirement: Type I≥95%, Type II≥98%, Type IIR ≥98%
- 2) The number of specimens that shall be tested is minimum 5, but can be greater and shall be increased if necessary to allow for an AQL(Acceptable Quality Level) of 4%.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 6307 1443, or email: CN. Doccheck/ess.com

3stBuilding,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 t (86-21) 61402666

f (86-21) 64958763



SL52115283915201TX

Date: July 30,2021 Page 3 of 4

Clause 5.2.3 Breathability

(EN 14683 :2019+AC:2019 Annex C)

Sample: A

Test Side : Randomly test in different location (1 around and 4 away from the centric

point) on each of the 5 masks

Pre-Conditioning : Minimum of 4 hours at 21±5°C and 85±5% R.H.

Test Area : 4.9 cm² Flow Rate : 8 l/min

Specimen No.	Test Area No.	Different Pressure for each tested area (Pa/cm²)	The average value f specimen (Pa	
	1-1	36.4		
	1-2	37.6		
1	1-3	33.4	37	
	1-4	38.2		
	1-5	39.7		
	2-1	38.6		
	2-2	39.7		
2	2-3	37.5	38	
	2-4	33.4		
	2-5	39.7		
	3-1	39.4		
	3-2	39.8		
3	3-3	36.5	38	
	3-4	34.3		
	3-5	38.7		
	4-1	35.8		
	4-2	38.6		
4	4-3	35.6	38	
	4-4	38.6		
	4-5	39.4		
	5-1	38.9		
	5-2	37.7		
5	5-3	38.5	38	
	5-4	36.9		
	5-5	35.9		

Remark:

1) Performance Requirement: Type I<40 Pa/cm², Type II<40 Pa/cm², Type IIR<60 Pa/cm²

2) The number of specimens that shall be tested is minimum 5, but can be greater and shall be increased if necessary to allow for an AQL(Acceptable Quality Level) of 4%.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 6307 1443, or email: CN. Doccheck/ess.com

3¹⁴Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国 • 上海 • 徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 t (86-21) 61402666

f (86–21) 64958763



SL52115283915201TX

Date: July 30,2021

Page 4 of 4

Clause 5.2.5 Microbial Cleanliness

(EN 14683:2019+AC:2019 Annex D and EN ISO 11737-1:2018)

Sample: A

Test Specimen#	Mask Weight(g)	Total Bioburden, (CFU/mask)	Total Bioburden, (CFU/g)
1	4.42	30.33	6.86
2	4.39	34.67	7.90
3	4.35	26.00	5.98
4	4.41	39.00	8.84
5	4.38	47.67	10.88

Recovery Efficiency : 69.2 % Correction Factor : 1.4

Remark: Performance Requirement: Type I≤30 CFU/g, Type II≤30 CFU/g, Type IIR≤30 CFU/g

Sample Photo



Product information is provided by applicant without verification of authentication of the brand.

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 6307 1443, or email: CN. Doccheck/ess.com

3rdBuilding,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国 • 上海 • 徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 t (86-21) 61402666

f (86–21) 64958763



SL52115272214801TX



Date: July 13,2021



Page 1 of 3

HUIZHOU BOWEN MANUFACTURING LIMITED

XINNAN 1ST ROAD, XIANAN VILLAGE, YUANZHOU TOWN, BOLUO COUNTY, HUIZHOU CITY, GUANGDONG PROVINCE, P.R.CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Kaze Disposable Face Mask

Sample Color : (A)Tile

Composition : (A)67%Non-woven fabric 21%Melt blown cloth 8%ear thread 4%nose clip

 Style No.
 : KAZE

 Model No.
 : KAZE-02

 Lot No.
 : 2021.06

Manufacturer : HUIZHOU BOWEN MANUFACTURING LIMITED

Country of Destination : Europe, USA Sample Dimension : 175mm * 95mm

Claimed Type : type IIR

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jun 28, 2021

Testing Period : Jul 01, 2021 - Jul 13, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the

sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



SL52115272214801TX

Date: July 13,2021

Page 2 of 3

Test Result

EN 14683:2019+AC:2019 Medical Face Masks-Requirements and Test Methods

Clause 5.2 Performance Requirement

Clause 5.2.4 Splash Resistance

(ISO 22609:2004)

Sample: A

Test Blood Pressure :

Pre-Conditioning : Minimum of 4 hours at 21±5°C and 85±5% R.H.

16.0kPa

Distance of the mask to the tip of cannula : 300±10mm

Test Specimen#	Penetration on inside surface	Conclusion	Test Specimen#	Penetration on inside surface	Conclusion
1	1 None Seen		17	None Seen	Pass
2	None Seen	Pass	18	None Seen	Pass
3	None Seen	Pass	19	None Seen	Pass
4	None Seen	Pass	20	None Seen	Pass
5	None Seen	Pass	21	None Seen	Pass
6	None Seen	Pass	22	None Seen	Pass
7	None Seen	Pass	23	None Seen	Pass
8 None Seen		Pass	24	None Seen	Pass
9	None Seen	Pass	25	None Seen	Pass
10	None Seen	Pass	26	None Seen	Pass
11	None Seen	Pass	27	None Seen	Pass
12	None Seen	Pass	28	None Seen	Pass
13	None Seen	Pass	29	None Seen	Pass
14	None Seen	Pass	30	None Seen	Pass
15 None Seen		Pass	31	None Seen	Pass
16	None Seen	Pass	32	None Seen	Pass
Number of Pass:			3	32	
Overal	l result:		Acce	ptable	
Overal	l result:		Acce	ptable	

Remark:

- 1) Performance Requirement Type I: N/A, Type II: N/A, Type IIR: ≥16.0kPa
- 2) Test was conducted within 60s after removal from conditioning chamber.
- 3) An acceptable quality limit of 4.0% is met for a single sampling plan when 29 or more of the 32 tested specimens show pass results.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing (inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@osc.com

3⁴¹Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国・上海・徐汇区宜山路889号3号楼 邮編: 200233 t (86-21) 61402666 t (86-21) 61402666

f (86-21) 64958763



SL52115272214801TX

Date: July 13,2021

Page 3 of 3





Product information is provided by applicant without verification of authentication of the brand.

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction susses defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fulles extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To cleck the authenticity of testing /inspection report & certificate, please contact us at telephone: (85-755) 83071443, or email: CM.Doccheck@egs.com

3⁴¹Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 中国・上海・徐汇区宜山路889号3号楼 邮編: 200233 t (86-21) 61402666 t (86-21) 61402666

f (86-21) 64958763

















国家服装质量监督检验中心(天津) National Clothing Quality Inspection & Supervision Center(Tianjin) 国家针织产品质量监督检验中心 National Knitted Product Quality Inspection & Supervision Center





检验报告 Test Report

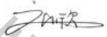
第1页 共5页 Page 1 of 5

_					Page 1 of 5
,		委托单位/地址 Applicant	惠州博文制造有限公司 Huizhou Bowen Manufacturing Limited 广东省惠州市博罗县园洲镇下南村新南一路	送样人: Contact	
1		прритеант	Xinnan 1st Road, Xianan Village, Yuanzho Town, Boluo County, Huizhou City, Guangd Province, P.R.China 惠州博文制造有限公司		
7 1	点文 Client	生产单位/地址 Manufacturer	Huizhou Bowen Manufacturing Limited 广东省惠州市博罗县园洲镇下南村新南一路 Xinnan 1st Road, Xianan Village, Yuanzho	u Town, Boluo County,	Huizhou City,
	ы ц by С		Guangdong Province, P.R.China		
1	高兴 帝 Sovided b		样品名称: 一次性平面口罩 Sample Name Disposable Face Mask	商标: KAZE Trademark	
Ą	A 语言		样品总数: 50个 Sample Count 50Pieces	4	
野ス	为 强 不 写 思 计 雷 Linguistant Information Provided by	样品信息 Information	号型规格: KAZEO5 175mm×95mm Size	颜色: / Colour	
	Inf	of Submitted Sample	质量等级: Quality Grade	安全类别: Safety / Category	1
			产品款号或货号: 2020-07 Style No. or Order No.		
		判定标准: Test	GB/T 32610-2016 日常防护型口罩技术规范 Tech protective mask	hnical specification	of daily
L		Standards	V // //		
ı		样品描述 est Part	1# 白色口罩White Mask		
L		escription	# ロビロ草WIII te Mask 样品接收日期		
l		检验性质 Test Type	委托检验 Commission Test Submission Arm 安权口列 Date of Submission	报告发在一期 Date of Charking	2020-08-01
ľ		检验日期 Test Date	2020-07-25	.020.377-30	THE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLU
ľ		执行标准 st Standards	见附页 See next page(s)	纸-	-15
		检验结论	检验结果及符合性见附页。 Test results and compliance refer to next p	bage(s). 检测专	川市
		onclusion		验单位盖章 Inspection Unit	
ſ		夕沪	客户要求过滤效率测试初始过滤效率,并按GB/T 32610-2016		
L		备注 Remarks	As per client's request, the initial filtration ef for Filtration Efficiency, and judged according to GB/T 32610-2016.		

批准: Approver



审核: Checker



编制: Editor

















国家服装质量监督检验中心(天津) National Clothing Quality Inspection & Supervision Center(Tianjin) 国家针织产品质量监督检验中心 National Knitted Product Quality Inspection & Supervision Center

检验报告 Test Report

第2页 共5页

TTTS-WT20216596				*		Page 2 of 5
检测项目	项目描述	单位	标准值	实测值	评价	执行标准/备注
Test Items	Description	Unit	Standard Requirement	Results	Conclu sions	Test Method/ Remarks
→ 1# 白色口罩Whi	to Mack		Requirement		310113	Remarks
	te mask	1		初始过滤效率	1	
过滤效率		+		NnDD版双华 Initial Filtration Efficiency: 未预处理样品 Samples Without Pretreatment: 1: 95.4		4
(III级) Filtration Efficiency (Grade III)	盐性介质 Salt Medium	%	≥90	2: 95.5 3: 95.5 4: 95.6 5: 95.6 预处理样品 Samples With	符合 Pass	GB/T 32610-2016
4		ħ		Pretreatment: 1: 94.6 2: 94.0 3: 94.4 最小值Minimum: 94.0		1
过滤效率 (III级) Filtration Efficiency (Grade III)	油性介质 Oiliness Medium	%	≥80	初始过滤效率 Initial Filtration Efficiency: 未预处理样品 Samples Without Pretreatment: 1: 82.8 2: 83.0 3: 82.7 4: 82.7 5: 82.8 预处理样品 Samples With Pretreatment: 1: 81.4 2: 82.7 3: 82.3 最小值Minimum: 81.4	符合 Pass	GB/T 32610-2016
耐摩擦色牢度 Colour Fastness to Rubbing	干摩 Dry	级 Grade	≥4	4-5	符合 Pass	GB/T 29865-2013
甲醛含量 Formaldehyde Content	/	mg/kg	€20	未检出 (低于检出限20mg/kg) Undetected (< 20mg/kg)	符合 Pass	GB/2917 109
pH值 pH Value	氯化钾萃取 KCl Extract	/	4.0~8.5	6. 5	符合 Pass	/T 7573-200
			. (//			后一 人

















国家服装质量监督检验中心(天津) National Clothing Quality Inspection & Supervision Center(Tianjin) 国家针织产品质量监督检验中心 National Knitted Product Quality Inspection & Supervision Center

检验报告 Test Report

第3页 共5页

						界3贝 共5贝
TTTS-WT20216596				•		Page 3 of 5
检测项目	项目描述	单位	标准值	实测值	评价	执行标准/备注
位例切日 Test Items	- 映日畑歴 Description	Unit	Standard	天侧阻 Results	Conclu	Test Method/
rest rems	Description	Unit	Requirement		sions	Remarks
可分解致癌芳香胺染料 Azo		mg/kg	禁用 Not Used	未检出 (低于检出限5mg/kg) Undetectéd (< 5mg/kg)	》符合 Pass	GB/T 17592-2011
环氧乙烷残留量 Ethylene Oxide Residual	/	μg/g	≤10	未检出 (低于检出限2μg/g) Undetected (< 2μg/g)	符合 Pass	GB/T 14233.1-2008
外观要求 Appearance Requirement		1	口罩表面不应有 破损、油污斑 渍、变形及其他 明显缺陷 The mask surface shall have no damage, oil stain, deformation and other obvious defects.	+	符合 Pass	GB/T 32610-2016
吸气阻力 Inspiratory Resistance		Pa	≤ 175	未预处理样品 Samples Without Pretreatment: 1: 77 2: 72 预处理样品 Samples With Pretreatment: 1: 71 2: 70	符合 Pass	GB/T 32610-2016
呼气阻力 Expiratory Resistance		Pa	≤ 145	未预处理样品 Samples Without Pretreatment 1: 53 2: 50 预处理样品 Samples With Pretreatment: 1: 54 2: 51	符合 Pass	GB/T 32610-2016

表中"+"表示符合标准要求, "X"表示不符合标准要求。

+ Meet the standard requirements, X Not Meet the standard requirements.



















国家服装质量监督检验中心(天津) National Clothing Quality Inspection & Supervision Center(Tianjin) 国家针织产品质量监督检验中心 National Knitted Product Quality Inspection & Supervision Center

检验报告 Test Report

第4页 共5页 Page 4 of 5

TTTS-WT20216596 样 밂 Sample























天纺标检测认证股份有限公司

TianFangBiao Standardization Certification & Testing Co., Ltd.

国家服装质量监督检验中心(天津) National Clothing Quality Inspection & Supervision Center(Tian

国家针织产品质量监督检验中

POINTS FOR ATTENTION

第5页 共5页 Page 5 of 5

1.检验报告无"检验专用章"无效。

Report is invalid without stamp of "special seal for the test report".

2.复制报告未重新加盖"检验专用章"无效。

Copy report is invalid without re-stamp of "special seal for the test report".

3.报告无编写、审核、批准人签字无效。

Report is invalid without collective signatures by editor, checker and approver.

4.检验报告涂改无效。

Report is invalid if altered.

5.检验报告或复制报告未加盖骑缝章无效(报告页数多于1页时)。

Report and copy report is invalid without stamp of "Paging Seal" (When the page number more than 1).

6.委托检验仅对来样负责,不承担其他连带责任。

Unless otherwise stated the results shown in this report refer only the sample(s) tested.

7.对于检验结果若有异议,应于收到报告之日起十五日内向本机构提出,逾期不予受理。

Objection should be issued in 15 days upon receiving the report, overdue opinion is inadmissible.

8.未经本机构书面批准,部分复制报告无效。

Part copy report is invalid without the approval of the written documents of the testing organization.

--报告结束 End of report----

注意事项以中文为准The English edition is for reference only

天纺标集团检测单位与地址 Tianfangbiao Groups Others Testing Location

天纺标检测认证股份有限公司

Tianfangbiao Standardization Certification & Testing Co., Ltd.

国家服装质量监督检验中心(天津)

China National Clothing Quality Inspection & Supervision Center (Tianjin)

国家针织产品质量监督检验中心

China National Knitted Product Quality Supervision Testing Center

地址:天津市南开区鹊桥路25号

Address: No.25, Quegiao Road, Nankai District, Tianjin, China



扫码下载电子报告









报告编号(Report No): ZFLJ2627311





佛山中纺联检验技术服务有限公司 **CNTAC Testing Service Co.,Ltd.(Foshan)**

website): www.fcl-sz.org.cn

code): 4407154121

检测报告(Testing Report)	防伪查询网址(Security 防伪码(Security
----------------------	------------------------------

Page 1 of 6



Applicant Information (客户信息)

Applicant Name(委托单位) : Huizhou Bowen Manufacturing Limited(惠州博文制造有限公司)

Applicant Address(委托单位地址) : Xinnan 1st Road, Xianan Village, Yuanzhou Town, Boluo County, Huizhou

City, Guangdong Province, P.R.China(广东省惠州市博罗县园洲镇下南村新南一路)

Manufacturer(生产单位) : Huizhou Bowen Manufacturing Limited(惠州博文制造有限公司)

Sample Information (样品信息)

Sample Description(样品描述) Disposable Face Mask(一次性平面口罩)

Sample Quantity(样品数量) 50 pieces(50 个)

Colour(颜色) Blue white white(蓝色夹白色)

Size specification(号型规格) : KAZE01

Material Components(原料成分): Non-woven fabric 50%;Melt-blown fabric 26%;Ear band 12.7%;

Nose clip 11.3%(50%无纺布,26%熔喷布,12.7%耳帶,11.3%鼻夹)

- Sample Receiving date (收到样品的日期) : 2020-06-03 - Report date (报告日期) : 2020-06-07

- The original sample is sticked on the last paper. (送检样品原样粘贴在本报告的末页)

Test Performed (检验标准)

Judgement according to(评定依据):

GB/T 32610-2016 Technical Specification of daily protective mask

日常防护型口罩技术规范

- Selected test(s) as requested by applicants. (本实验室根据客户要求完成以下检测内容)

Pronounce (声明)

The results shown in this report refer only to sample(s) tested unless otherwise stated. All the items are performed in the standard conditions, except the noted cases.(除非特别说明,测试结果只对来样负责。所有测试项目均在标准 规定的环境下进行,有注明除外。)

Except for the requirement of the client, the test results and the conformity judgement of this report do not take the uncertainty of the test results into account.(除非客户要求,本报告检测结果及符合性判定不考虑测量结果的不确定 度。)

Signed for and on behalf of

CNTAC Testing Service Co., Ltd. (Foshan)

Approved by (批准)



「东省佛山市南海区西樵镇南方技术创新中心一、三、四楼 1, 3&4/F., Nanfang Technology Innovation Center, Xiqiao,Nanhai District, Fostan Glargoon











」 佛山中纺联检验技术服务有限公司 **CNTAC Testing Service Co.,Ltd.(Foshan)**

检测报告(Testing Report)

防伪查询网址(Security website): www.fcl-sz.org.cn 防伪码(Security code): 4407154121

报告编号(Report No): ZFLJ2627311

Page 2 of 6



Test Result (测试结果)

Test Result(测试结果)

Requirements(评定条件)

Judgement(判定)

1. Color Fastness to Rubbing(耐摩擦色牢度) GB/T 29865-2013

Unit(单位): <grade(级)>

Dry(干摩擦)

Dry friction ≥ 4(干摩擦 ≥ 4)

Pass(合格)

Wet(湿摩擦)

Wet friction ≥ 4(湿摩擦 ≥ 4)

2. Tensile Strength of the mask belt and the connection between the mask belt and the mask body(口罩带及口 罩带与口罩体的连接处断裂强力) GB/T 32610-2016 Section 6.9(条款 6.9)

Unit(单位): <N>

Result(测试结果)

≥ 20

Pass(合格)

3. Filtration Efficiency(过滤效率(盐性介质)) GB/T 32610-2016 Appendix A(附录 A)

Air flow: 85L/min, Aerosol: Nacl(气体流量: 85L/min, 气溶胶颗粒: NaCl)

Unit(单位): <%>

Minimum value(最小值)98.5

(Level II) \geq 95((II级) \geq 95)

Pass(合格)

4. pH Value(pH 值) GB/T 7573-2009

Using KCl solution as the extracting solution.(萃取介质: 氯化钾溶液)

Result(测试结果)

4.0~8.5

Pass(合格)

5. Formaldehyde Content(甲醛含量) GB/T 2912.1-2009

Water extraction method, lower limit of quantitation: 20mg/kg(水萃取法, 检出限: 20mg/kg)

Unit(单位): <mg/kg>

Result(测试结果)

Not Detectable (未检出)

Pass(合格)

Remark(备注):Not Detectable, Less than 20 mg/kg("未检出"指小于 20 mg/kg。)

6. Azo Colourants(可分解致癌芳香胺染料) GB/T 17592-2011

Use GC/MSD method, limit of detection: 5mg/kg(使用 GC/MSD 分析方法,检出限: 5mg/kg)

Unit(单位): <mg/kg>

Result(测试结果)

Not Detectable (未检出)

Forbidden (≤ 20)(禁用(≤ 20))

Remark(备注):1) Not Detectable.Less than the Limit of detection.("未检出"指小于方法检出限)

2) Banned arylamines substances are listed in Annex.(禁用芳香胺物质清单见附近

广东省佛山市南海区西樵镇南方技术创新中心一、三、四楼 1,3&4/F., Nanfang Technology Innovation Center, Xiqiao,Nanhai Dittrict, Foshari Quargoong,

Tel: (86 757)86850633/86806656 Fax: 86850633 Http://www.fcl.org.cn 若对检测报告有异议,应于收到报告之日起 15 日内向检测单位提出,逾期不予受理。











佛山中纺联检验技术服务有限公司 **CNTAC Testing Service Co.,Ltd.(Foshan)**

检测报告(Testing Report)

防伪查询网址(Security website): www.fcl-sz.org.cn 防伪码(Security code): 4407154121

报告编号(Report No): ZFLJ2627311

Page 3 of 6



Test Result(测试结果)

Requirements(评定条件)

Judgement(判定)

7. Appearance Requirement(外观要求) GB/T 32610-2016 Section 6.1(条款 6.1)

Result(测试结果)

Accordance(符合)

Mask surface should not be damaged, oil stains, deformation and other obvious defects(口罩表 面不应有破损、油污斑渍、变形及其 他明显的缺陷)

Pass(合格)

Pass(合格)

8. Basic Requirement(基本要求) GB/T 32610-2016 Section 5.1(条款 5.1)

Result(测试结果)

Accordance(符合)

The mask should be able to cover the mouth and nose securely(口罩

应能安全牢固地护住口、鼻。) Mask raw materials should not be

reworked materials, not contain highly toxic or potentially carcinogenic substances and materials known to cause skin irritation or other adverse reactions, residues of other substances that are restricted in use should meet the relevant requirement, no

odor(口罩原材料不应使用再生料, 含高毒性或潜在致癌性物质以及已 知的可导致皮肤刺激或其他不良反 应的材料,其他限制使用物质的残留

量应符合相关要求, 无异味。)

The mask should not have a palpable sharp angle or sharp edge and should not pose a hazard to the wearer(口罩不应存在可触及的 锐利角和锐利边缘,不应对佩戴者构

成危害)

Masks should be easy to wear and remove, no obvious constriction or tenderness in the wearing process, the impact on the head movement is small(口罩应便于佩戴和摘除, 佩戴过程中无明显压迫感或压痛

象,对头部活动影响较小。)

Accordance(符合)

Accordance(符合

Accordance(符合

「东省佛山市南海区西樵镇南方技术创新中心一、三、四楼 1, 3&4/F., Nanfang Technology Innovation Center, Xiqiao,Nanhai District, Fostation Day Tel: (86 757)86850633/86806656

Fax: 86850633

Http://www.fcl.org.cn

若对检测报告有异议,应于收到报告之日起 15 日内向检测单位提出,逾期不予受理。











佛山中纺联检验技术服务有限公司 **CNTAC Testing Service Co.,Ltd.(Foshan)**

检测报告(Testing Report)

防伪查询网址(Security website): www.fcl-sz.org.cn 防伪码(Security code): 4407154121

报告编号(Report No): ZFLJ2627311

Page 4 of 6

Test Result(测试结果)

Requirements(评定条件)

Judgement(判定)

9. Exhalation Resistance(呼气阻力)

Air flow: 85L/min(通气量 85 L/min)

Unit(单位): <Pa>

Maximum value(最大值)

89.1

≤ 145

Pass(合格)

10. Inhalation Resistance(吸气阻力)

GB/T 32610-2016 Section 6.7(条款 6.

GB/T 32610-2016 Section 6.8(条款 6.8)

Air flow: 85L/min(通气量 85 L/min)

Unit(单位): <Pa>

Maximum value(最大值)

96.9

≤ 175

Pass(合格)

11. Residual Ethylene Oxide(环氧乙烷残留量) GB/T 14233.1-2008 Section 9.4 Gas chromatography(Limit

extraction)(条款 9.4 气相色谱法(极限浸提法))

Unit(单位): < **μg/g**>

Ethylene oxide relative content(环氧乙烷相对含量)

Pass(合格)

< 0.7

Remark(备注):1.Detection limit is 0.7µg/g(检出限为 0.7µg/g)

2.Sample not sealed(样品没有密封)

Remark(备注):The inhalation resistance and exhalation resistance items are unauthorized for CNAS.

(CNAS 未授权吸气阻力和呼气阻力项目。)



Tel: (86 757)86850633/86806656 Fax: 86850633 Http://www.fcl.org.cn 若对检测报告有异议,应于收到报告之日起 15 日内向检测单位提出,逾期不予受理。











佛山中纺联检验技术服务有限公司 CNTAC Testing Service Co.,Ltd.(Foshan)

测	报	告	(Tes	ting	Re	port)	
	测	测报	测报告	测报告(Tes	测 报 告(Testing	测 报 告(Testing Re	测 报 告(Testing Report)

防伪查询网址(Security website): www.fcl-sz.org.cn 防伪码(Security code): 4407154121

报告编号(Report No): ZFLJ2627311

Page 5 of 6



Appendix(附页):

Appendix()	11 火) :	
No. (编号)	CAS No. (化学文摘编号)	Forbidden Arylamine (化学名称)
1	92-67-1	4-aminobiphenyl(4-氨基联苯)
2	92-87-5	benzidine(联苯胺)
3	95-69-2	4-chloro-o-toluidine(4-氯邻甲苯胺)
4	91-59-8	2-naphthylamine(2-萘胺)
5	97-56-3	o-aminoazotoluene(邻氨基偶氮甲苯)
6	99-55-8	5-nitro-o-toluidine(5-硝基-邻甲苯胺)
7	106-47-8	p-chloroaniline (对氯苯胺)
8	615-05-4	2,4-diaminoanisole(2,4-二氨基苯甲醚)
9	101-77-9	4,4'-diaminobiphenylmethane(4,4'-二氨基二苯甲烷)
10	91-94-1	3,3'-dichlorobenzidine(3,3'-二氯联苯胺)
11	119-90-4	3,3'-dimethoxybenzidine(3,3'-二甲氧基联苯胺)
12	119-93-7	3,3'-dimethylbenzidine(3,3'-二甲基联苯胺)
13	838-88-0	3,3'-dimethyl-4,4'-diaminobiphenylmethane(3,3'-二甲基-4,4'-二氨基二苯甲烷)
14	120-71-8	p-cresidine(2-甲氧基-5-甲基苯胺)
15	101-14-4	4,4'-methylene-bis-(2-chloroaniline)(4,4'-亚甲基-二-(2-氯苯胺))
16	101-80-4	4,4'-oxydianiline(4,4'-二氨基二苯醚)
17	139-65-1	4,4'-thiodianiline(4,4'-二氨基二苯硫醚)
18	95-53-4	o-toluidine(邻甲苯胺)
19	95-80-7	2,4-toluylenediamine(2,4-二氨基甲苯)
20	137-17-7	2,4,5-trimethylaniline(2,4,5-三甲基苯胺)
21	90-04-0	o-anisidine(邻氨基苯甲醚)
22	60-09-3	4-aminoazobenzene (4-氨基偶氮苯)
23	95-68-1	2,4-xylidine(2,4-二甲基苯胺)
24	87-62-7	2,6-xylidine (2,6-二甲基苯胺)
L		













ຣ 佛山中纺联检验技术服务有限公司 ☑ CNTAC Testing Service Co.,Ltd.(Foshan)

检测报告(Testing Report)

报告编号(Report No): ZFLJ2627311

防伪查询网址(Security website): www.fcl-sz.org.cn 防伪码(Security code): 4407154121

Page 6 of 6



Original (送检样品原样)



广东省佛山市南海区西樵镇南方技术创新中心一、三、四楼 1, 3&4/F., Nanfang Technology Innovation Center, Xiqiao, Nanhai Dhyrict, Forth Managerer, Tel: (86 757)86850633/86806656 Fax: 86850633 Http://www.fcl.org.cn (02) 若对检测报告有异议,应于收到报告之日起 15 日内向检测单位提出,逾期不予受理。

















国家服装质量监督检验中化(天津) National Clothing Quality Inspection & Supervision Center(Tianjin) 国家针织产品质量监督检验中心 National Knitted Product Quality Inspection & Supervision Center





检验检测报告

Test Report

第1页 共4页 Page 1 of 4

		Page I of 4
委托单位/地址 Applicant	惠州博文制造有限公司 送样人: Huizhou Bowen Manufacturing Limited Contact 广东省惠州市博罗县园洲镇下南村新南一路 Xinnan 1st Road, Xianan Village, Yuanzhou Town, Boluo County, Huizhou City, Guangdong Province, P.R.China	
生产单位/地址 Manufacturer	惠州博文制造有限公司 Huizhou Bowen Manufacturing Limited 广东省惠州市博罗县园洲镇下南村新南一路 Xinnan 1st Road, Xianan Village, Yuanzhou Town, Boluo Coun Guangdong Province, P.R.China	ty, Huizhou City,
样品信息 Information of Submitted Sample	Sample Name Kaze Disposable Face Mask Trademark 样品总数: 70个 Sample Count 70Pieces 颜色: / Colour Specification 质量等级: / Category 产品款号或货号: 2021-06 Style No. or	Е
判定标准: Test Standards	GB/T 32610-2016 日常防护型口罩技术规范 Technical specification of daily protective mask	15
样品描述 est Part escription	2# 口罩Mask-中灰色 Steel 3# 口罩Mask-淺灰色 Cement 4# 口罩Mask-淺黄色 Concrete 5# 口罩Mask-卡其色 Bamboo	ir.Be
检验性质 est Type	安托检验 Commission Test Submission Date of 2021-07-08 Date of Da	
Cest Date	2021-07-08 To	All l
执行标准 st Standards	见附负 See next page(s)	则专用章 - (⊕)
检验结论 onclusion	检验结果及符合性见附页。 Test results and compliance refer to next page(s). 检验单位盖章 Stamp of Inspection Unit	1
备注 Remarks	/	
	Applicant 生产单位/地址 Manufacturer 样品信息 Information of Submitted Sample 判定标准: Test Standards 样品 Part escription 检验性质 est Type 检验 Date 执行标准 st Standards 检验结论 onclusion 备注	### Huizhou Bowen Manufacturing Limited

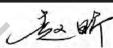
批准: Approver



审核: Checker



编制: Editor



















天纺标检测认证股份有阻公司 TianFangBiao Standardization Certification & Testing Co., Ltd.

国家服装质量监督检验中心(天津) National Clothing Quality Inspection & Supervision Center(Tianjin) 国家针织产品质量监督检验中心 National Knitted Product Quality Inspection & Supervision Center

检验检测报告

Test Report

第2页 共4页

TTTS-FH21002545						Page 2 of 4
检测项目 Test Items	项目描述 Description	単位 Unit	标准值 Standard Requirement	实测值 Results	评价 Conclu sions	执行标准/备注 Test Method/ Remarks
1# 口罩Mask-牛作	子藍色 Tile				,	
外观要求 Appearance Requirement	/	+	口罩表面不应有 破损、油污斑 渍、变形及其他 明显缺陷 The mask surface shall have no damage, oil stain, deformation	+	符合 Pass	GB/T 32610-2016
			and other obvious defects.	16		16
2# 口罩Mask-中2	灰色 Steel					
耐摩擦色牢度 Colour Fastness to Rubbing	干摩 Dry	级 Grade	≥4	4-5	符合 Pass	GB/T 29865-2013
耐摩擦色牢度 Colour Fastness to Rubbing	湿摩 Wet	级 Grade	/	4-5	/	GB/T 29865-2013
3# □罩Mask-淺刻	灰色 Cement					
甲醛含量 Formaldehyde Content	/	mg/kg	€20	未检出 (低于检出限20mg/kg) Undetected (< 20mg/kg)	符合 Pass	GB/T 2912.1-2009
pH值 pH Value	氯化钾萃取 KCl Extract	F	4.0~8.5	6. 2	符合 Pass	GB/T 7573-2009
可分解致癌芳香胺染料 Azo	/	mg/kg	禁用 Not Used	未检出 (低于检出限5mg/kg) Undetected (< 5mg/kg)	符合 Pass	GB/T 17592-2011
4# 口罩Mask-淺責	黄色 Concrete					
吸气阻力 Inspiratory Resistance	/	Pa	≤175	未预处理样品 Samples Without Pretreatment: 1: 75 2: 74 预处理样品 Samples With Pretreatment: 1: 86	符合 Pass	GB/T 32610-2016
				2: 83		

















天纺标检测认证股份有阻公司 TianFangBiao Standardization Certification & Testing Co., Ltd.

国家服装质量监督检验中心(天津) National Clothing Quality Inspection & Supervision Center(Tianjin)

检验检测报告

Test Report

						第3页 共4页
TTTS-FH21002545				•		Page 3 of 4
检测项目	项目描述	单位	标准值	实测值	评价	执行标准/备注
Test Items	Description	Unit	Standard	Results	Conclu sions	Test Method/ Remarks
呼气阻力 Expiratory Resistance		Pá	Requirement ≤145	未预处理样品 Samples Without Pretreatment: 1: 56 2: 53 预处理样品 Samples With Pretreatment: 1: 67 2: 71	符合 Pass	GB/T 32610-2016
	上———— 其色 Bamboo			2: 11		
	6		16	未预处理样品 Samples Without Pretreatment 1: 99.3		16
	盐性介质 Salt Medium	%	≥90	1: 99.3 2: 99.3 3: 99.3 4: 99.3 5: 99.4 预处理样品 Samples With		4
过滤效率(III级) Filtration Efficiency			16	Pretreatment: 1: 99.2 2: 99.1 3: 99.2 最小值Minimum: 99.1 未预处理样品	符合 Pass	GB/T 32610-2016
(Grade III)		1		Samples Without Pretreatment: 1: 92.9 2: 92.4 3: 93.0	rass	+
	油性介质 Oil Medium	%	≥80	4: 92.5 5: 92.4 预处理样品 Samples With Pretreatment: 1: 91.2 2: 89.5		NE
1				3: 90.8 最小值Minimum: 89.5		1
环氧乙烷残留量 Ethylene Oxide Residual	/	μg/g	≤10	未检出 (低于检出限2μg/g) Undetected (< 2μg/g)	符合 Pass	GB/T 14233.1-2008

表中"+"为符合标准要求,"×"表示不符合标准要求。 + Meet the standard requirements, X Not Meet the standard requirements.

















天纺标检测认证股份有阻公司 TianFangBiao Standardization Certification & Testing Co., Ltd.

国家服装质量监督检验中心(天津) National Clothing Quality Inspection & Supervision Center(Tianjin)

检验检测报告 Test Report

第4页 共4页

Page 4 of 4

TTTS-FH21002545



EC REP CERTIFICATE



CMC MEDICAL DEVICES & DRUGS SL NO. CMC/CE/2020/16062020.20

CONFIRMED THAT CMC MEDICAL DEVICES & DRUGS S.L. Is the European Authorized Representative of

Huizhou Bowen Manufacturing Limited
Xinnan 1st Road, Xianan Village, Yuanzhou Town, Boluo County,
Huizhou City, Guangdong Province, P.R.China

The certificate remains valid until the expiration agreement of EC REP, manufacturing conditions, the quality system or relevant legislation are changed. The validity is conditioned by positive results of periodic surveillance audits.

The product liability rests with the manufacturer in accordance with applicable directive and standard, after fulfilling of the relevant EU legislation requirements, the manufacturer shall affix relevant CE marking to all above mentioned models of the medical device.

Complies with the applicable essential requirements of the council directive 93/42/EEC on medical devices as amended.

The products in Annex I was registered in Spanish MOH with number RPS/1437/2020

GE

Issued on: 16/06/2020

Valid until: 24/05/2022

CMC Medical Devices & Drugs SI

EC REP CERTIFICATE



ANNEX I Medical Device Product

Kaze Disposable Face Mask

EU Declaration of Conformity

Huizhou Bowen Manufacturing Limited

Manufacturer: Xinnan 1st Road, Xianan Village, Yuanzhou Town, Boluo County,

Huizhou City, Guangdong Province, P.R.China

Tel:+86-752-5895333

SRN: CN-MF-000009940

European CMC Medical Devices & Drugs S.L.

Representative: Horacio Lengo Nº 18, CP 29006, Málaga, Spain

SRN:

Product Name: Kaze Disposable Face Mask

Specification: 17.5cm×9.5cm

UMDN Code: 12-458

Classification (MDR, Annex VIII): Class I, Rule 1.

Conformity Assessment Route: EU DECLARATION OF CONFORMITY following the Annex

II + Annex III + Article 19 of MDR (EU) 2017/745.

We herewith declare that the above mentioned products meet the transposition into national law, the provisions of the following EU Regulation and Standards. All supporting documentations are retained under the premises of the manufacturer.

Huizhou Bowen Manufacturing Limited.is exclusively responsible for the declaration of conformity.

General applicable regulations, directives:

Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC.

Applied standards, common specification, guidance:

EN 14683:2019+AC:2019, EN ISO 15223-1:2016, EN 1041:2008, EN ISO 14971:2012, EN 62366-1:2015+AC:2015, ISO 10993-1:2018, ISO 10993-5:2009, ISO 10993-10:2010, ASTM D4169-2016,MDCG 2019-15.

Signature:

Name:

Wun Chun Hung

Position: General Manager

Place/date 26th may, 2020









In Vitro Cytotoxicity Test

MTT Method

Final Report



Verification

Report Number: CSTBB20051119

Article Name: Disposable Face Mask

Method Standard: ISO 10993-5: 2009

Sponsor

Huizhou Bowen Manufacturing Limited

Xinnan 1st Road, Xianan Village, Yuanzhou Town, Boluo County, Huizhou City, Guangdong Province, P.R.China

Test Facility

CCIC Huatongwei international inspection (Suzhou) Co., Ltd

Room 101, Building G, Ruoshui Road 388, Suzhou, Jiangsu, China

CCIC Huatongwei international inspection (Suzhou) Co., Ltd

CONTENTS

Notices			
Abstract			
Study Verification and Signature			
1.0 Purpose			(
2.0 Reference	,		6
3.0 Test and control articles	48/	48/	
4.0 Identification and justification of test	t system		
5.0 Equipment and reagents			
6.0 Experiment design and dose			
7.0 Statistical method			{
8.0 Evaluation criteria			{
9.0 Results of the test			8
10.0 Conclusion			
11.0 Record			
12.0 Confidentiality Agreement			

Notices

- 1. Please apply for rechecking within 15 days of receiving the report if there is any objection.
- 2. Any erasure or without special testing seal renders the report null and void.
- 3. The report is only valid when signed by the persons who edited, checked and approved it.
- 4. The report is only responsible for the test results of the tested samples.
- 5. The report shall not be reproduced except in full without the written approval of the company.



Abstract

In this study, mammalian L-929 cells were cultured in vitro according to ISO 10993-5:2009 to test the potential cytotoxicity of the test article.

The test articles and the control material were separately placed in MEM medium containing 10% fetal bovine serum, and extracted in a 37 °C incubator for 24 hours. After the end of the extraction, the cell culture medium in the 96-well plate (10⁴ cells/well) cultured for 24 hours was removed and replaced with the corresponding extract, cultured in 37 °C, 5% CO₂, >90% humidity for 24 hours. After the culture, the morphology and cell lysis of the cells were observed under the microscope, and the cytotoxicity of the test samples was determined by MTT assay.

The results showed that the cells in the blank control group and the negative control group (high density polyethylene) were well-formed throughout the experiment and showed no cytotoxic reaction. A severe cytotoxic response was shown in the positive control group (ZDEC). The 100% concentration of the test extract retained a normal appearance after 24 hours of incubation, and the cell viability was 79.8%. The data of each group met the acceptance criteria, and the results of this test were valid.

Based on the above results, it can be concluded that under the experimental conditions, the test article Disposable Face Mask have no potential toxicity to L-929 in the MTT method.

Study Verification and Signature



Protocol Number SST2005032701BB

Protocol Effective Date 2020-05-22

Technical Initiation Date 2020-05-25

Technical Completion Date 2020-05-27

Final Report Completion Date 2020-06-01

Personnel

Na Yang

2020-06-0

Date Completed

Approved

Study Director

Date Completed

Date Completed

Supervisory

Test Facility Manager

Huatongwei international inspection (Suzhou) Co., Ltd.

1.0 Purpose

The purpose of the test is to determine the potential cytotoxicity toxicity of a mammalian cell culture (mouse fibroblast L-929 cells) in response to the test article.

2.0 Reference

Biological evaluation of medical devices-Part 5: Tests for In Vitro Cytotoxicity (ISO 10993-5: 2009)

Biological evaluation of medical devices-Part 12: Sample preparation and reference materials (ISO 10993-12: 2012)

3.0 Test and control articles

Groups	Test article	Negative Control	Positive Control	Blank Control
		Article	Article	
Name	Disposable Face Mask High Density		ZDEC	MEM medium, with
Name	Disposable Face Wask	Article High Density Polyethylene Film Hatano Research Institute. FDSC 3 cm×10 cm (5 sheets) / C-161 Solid White Solid White No No No / 0.1%	addition 10% FBS	
Manufacture	Huizhou Bowen	Hatano Research	Sigma Aldrigh	Hyclone
Wanulacture	Manufacturing Limited	Limited Institute. FDSC		Tryclone
Size	17.5cmX9.5cm	17.3CHA9.3CH		500 ml
Model	KAZE01	/		/
Lot Batch#	2020-05	C-161	BCBQ6847V	AE29441978
	Non-woven fabric 50%;			
Test Article	Melt-blown fabric 26%; Ear		,	
Material	band 12.7%; Nose clip		/	/
	11.3%			
Physical State	Solid	Solid	Solid	Liquid
Color	Blue with white	White	White	Pink
Packaging Material	Packaging of plastic bags	/		/
r ackaging waterar	and cartons	,		
Sterilized or Not	No	No	No	Yes
Concentration	/	/	0.1%	/
Total Surface or	Not provided	/	/	/
weight	Not provided	/	,	/
Storage Condition	Room Tep.	Room Tep.	Room Tep.	4°C

Note: The information about the test article was supplied by the sponsor wherever applicable.

4.0 Identification and justification of test system

L-929 mouse fibroblast cells obtained from American Type Culture Collection (ATCC).

L-929 cells have been used for cytotoxicity studies because they demonstrate sensitivity to extractable cytotoxic articles. Also, the test article is extracted and administered in vitro to mouse fibroblast L929 cells through a solvent compatible with the test system, which is the optimal route of administration available in this test system

as recommended in ISO 10993-5.

5.0 Equipment and reagents

5.1 Instruments

Vertical pressure steam sterilizer (SHB026), CO₂ Incubator (SHB002), Steel Straight Scale (SHB076), Electronic Balance (SHB016), Clean bench (SHB014), Multiskan Spectrum Microplate Spectrophotometer (SHB003), Bench type low speed centrifuge (SHB022), Inverted microscope (SHB005)

5.2 Reagents

MEM (Hyclone, AE29441978), FBS (Clark, JC65116), Penicillin-Streptomycin (Gibco, 2145453), Tryps in (Gibco, 2048080), PBS (Hyclone, AE29451445), MTT (3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyletrazoliu m bromide) (Sigma, MKBG2038V), Isopropyl alcohol (Macklin, C10394867)

6.0 Experiment design and dose

6.1 Sample preparation

According to the table below, aseptic extraction of the test article sealed and incubated in MEM medium (10% FBS) at 37 °C, 5% CO₂ and 60 rpm for 24 hours.

	Samı	aling	Starilization	Sterilization Aseptic Extraction In Inert Container				
Groups	Sam	omig	Stermzation	Asepuc	Extraction in	mert Containe	71	Extract
S	Sampling Manner	Actually sampling	Method	Ratio	Extracts	Condition	рН	Clear or Not
Test article	Whole	570.0 cm ²	ЕО	6 cm ² : 1 ml	95.0 ml	37 °C 24 h	7.4	Clear
Negative Control	Random	60.0 cm^2	UV	3 cm ² : 1 ml	20.0 ml	37 °C 24 h	7.4	Clear
Positive Control	Random	0.02 g	Filter	0.1 g: 100 ml	20.0 ml	37 °C 24 h	7.4	Clear
Blank Control		/	1	/	20.0 ml	37 °C 24 h	7.4	Clear

The changes of the leaching solution was observed after extraction. No particulates or color changes were observed in pre- and post-extraction, and immediately be used in the follow-up experiment. The color and pH of the extraction solution did not change before and after use, and the pH value was 7.4 after leaching.

6.2 Test method

Aseptic procedures were used for handling cell cultures. L-929 cells were cultured in MEM medium (10% FBS, 1% Penicillin-Streptomycin solution) at 37 °C in a humidified atmosphere of 5% CO₂, then digested by 0.25% trypsin containing EDTA to get single cell suspension. 1×10^5 cells/ml suspension were obtained by centrifuging (1000 rpm, 5 min) and re-dispersing in MEM medium.

The suspended cells were dispensed at 100 µl per well in 96-well plate, and cultured in cell incubator (5% CO₂, 37 °C, >90% humidity). Cell morphology was evaluated to verify that the monolayer was satisfactory.

After the cells grew to about 70% and form a monolayer, original culture medium was discarded. The 96-well plates were then treated with 100 µl of extract of test article (100%, 75%, 50%, 25%), control article, negative article and positive article respectively. The 96-well plate was incubated at 37 °C in cell incubator of 5% CO₂ for 24

h. Six replicates of each test were tested.

After incubation, observe the cell morphology first and then discard the culture medium. Add 50 µl MTT (1mg/ml) to each well and then incubated at 37 °C in a humidified atmosphere of 5% CO₂ for 2 hours. The liquid in each well was tipped out and 100 µl Isopropyl alcohol was added to each well to suspend the cell layer.

Evaluate the suspension above with a dual-wavelength spectrophotometer with the measurement wavelength at 570 nm.

7.0 Statistical method

Mean \pm standard deviation ($x \pm s$)

The cell cytotoxicity ratio = OD_{570} of test (or positive or negative) article group/ OD_{570} of blank control group×100%.

8.0 Evaluation criteria

- 8.1 The 50% extract of the test article should have at least the same or a higher viability than the 100% extract. Otherwise the test should be repeated.
- 8.2 The lower the Viab.% value, the higher the cytotoxic potential of the test article is.
- 8.3 If viability is reduced to < 70% of the blank, it has a cytotoxic potential.
- 8.4 The Viab.% of the 100% extract of the test article is the final result.

9.0 Results of the test

9.1 Results of the cell morphology

Table 1 Observation of the cell morphology

Group	Before inoculation	Before treated with extract	24 h after treatment
Blank control Negative control Positive control 100% Test article extract 75% Test article extract	Discrete intracytoplasmatic granules, no cell lysis, no reduction of cell growth.	Discrete intracytoplasmatic granules, no cell lysis, no reduction of cell growth.	Discrete intracytoplasmatic granules, no cell lysis, no reduction of cell growth. Discrete intracytoplasmatic granules, no cell lysis, no reduction of cell growth. Nearly complete or complete destruction of the cell layers. The cells showed a round shape and a change in cell morphology occasionally, and there were particles in the cytoplasm, occasionally cell lysis and slight growth inhibition. The cells showed a round shape and a change in cell morphology occasionally, and there were particles in the cytoplasm, occasionally cell lysis and slight growth inhibition. The cells showed a round shape and a change in cell morphology occasionally, and there in cell morphology occasionally, and there
Muut			in cent morphology occusionally, and there

		were particles in the cytoplasm, occasionally
	1,00	cell lysis and slight growth inhibition.
25% Test article		Discrete intracytoplasmatic granules, no cell
extract		lysis, no reduction of cell growth.

9.2 Results of the cell vitality

Table2 Results of the cell vitality

Group	OD value					Viola (0/)			
Greap	1	2	3	4	5	6	\bar{x}	s	Viab. (%)
Blank control	0.612	0.628	0.627	0.633	0.631	0.632	0.627	0.008	100.0
Negative control	0.634	0.615	0.620	0.623	0.612	0.613	0.620	0.008	98.8
Positive control	0.053	0.050	0.051	0.057	0.060	0.054	0.054	0.004	8.6
100% test article extract	0.503	0.507	0.496	0.498	0.492	0.505	0.500	0.006	79.8
75% test article extract	0.511	0.518	0.511	0.511	0.517	0.515	0.514	0.003	82.0
50% test article extract	0.558	0.535	0.562	0.561	0.535	0.536	0.548	0.014	87.4
25% test article extract	0.574	0.588	0.565	0.584	0.572	0.594	0.580	0.011	92.4

10.0 Conclusion

Under the conditions of this study, the test article have no potential toxicity to L-929 cells.

11.0 Record

All raw data pertaining to this study and a copy of the final report are to be stored in the designated archive files at Huatongwei.

12.0 Confidentiality Agreement

Statements of confidentiality were as agreed upon prior to study initiation.







中国认可 国际互认 检测 TESTING CNAS L13034



Skin Sensitization Test Guinea Pig Maximization

Final Report



Verification

Report Number: CSTBB20051120

Article Name: Disposable Face Mask

Method Standard: ISO 10993-10: 2010

Sponsor

Huizhou Bowen Manufacturing Limited

Xinnan 1st Road, Xianan Village, Yuanzhou Town, Boluo County, Huizhou City, Guangdong Province, P.R.China

Test Facility

CCIC Huatongwei international inspection (Suzhou) Co., Ltd

Room 101, Building G, Ruoshui Road 388, Suzhou, Jiangsu, China

CONTENTS

Notices		 3
Abstract		
Study Verification and Signature		 5
1.0 Purpose		 6
2.0 Reference		 6
3.0 Test and control articles		6
4.0 Identification of test system	,	
5.0 Animal Managment		
6.0 Equipment and reagents		
7.0 Experiment design		
8.0 The results observed		
9.0 Evaluation criteria		 g
10.0 Results of the test		9
11.0 Conclusion		
12.0 Record		
13.0 Confidentiality Agreement		
<i>y U</i>		

Notices

- 1. Please apply for rechecking within 15 days of receiving the report if there is any objection.
- 2. Any erasure or without special testing seal renders the report null and void.
- 3. The report is only valid when signed by the persons who edited, checked and approved it.
- 4. The report is only responsible for the test results of the tested samples.
- 5. The report shall not be reproduced except in full without the written approval of the company.



Abstract

In this study, we took guinea pigs to observe the skin sensitization of the test article according to ISO 10993-10: 2010.

The test article were extracted in Constant Temperature Vibrator at 50 °C, 60 rpm for 72 h by 0.9 % Sodium Chloride Injection and Sesame Oil. Mix 50:50 (by volume) stable emulsion of Freund's complete adjuvant with selected solvent. Intradermal induction and topical induction were operated in the clipped intrascapular region of each animal. After the topical induction phase was completed on day 14, all test and control animals were challenged with the test sample. The erythema and edema of the challenge site were observed to test the sensitization response of the test article. According to the Magnusson and Kligman scales, the response to erythema and edema at each application site of the skin was described and scored 24 hours and 48 hours after the challenge phase.

The results showed that the guinea pigs in the negative control group (0.9 % Sodium Chloride Injection, Sesame Oil) retained a normal appearance throughout the test and showed no skin irritants. A severe skin reactions for erythema and oedema were shown in the positive control group (DNCB). While in test article group, the response of skin on testing side did not exceed that on the control side. The skin reactions for erythema and oedema were not observed in test article group. The data of each group met the acceptance criteria, and the results of this test were considered valid.

Based on the above results, it can be concluded that under the experimental conditions, the test article Disposable Face Mask have no potential skin sensitization on guinea pigs in the extraction method.

Study Verification and Signature



Protocol Number SST2005032702BB

Protocol Effective Date 2020-05-20

Technical Initiation Date 2020-05-22

Technical Completion Date 2020-06-19

Final Report Completion Date 2020-06-19

Personnel

Na tan

Date Completed

Approved

Study Director

Data Completed

Date Completed

Supervisory

Test Facility Manager

Huatongwei international inspection (Suzhou) Go., Ltd.

1.0 Purpose

The test was designed to evaluate the potential of a test article to cause skin sensitization. The test is used as a procedure for screening of contact allergens in guinea pigs and extrapolating the results to humans, but it does not establish the actual risk of sensitization.

2.0 Reference

Biological evaluation of medical devices Part 10: Tests for irritation and skin sensitization (ISO 10993-10: 2010)

Biological evaluation of medical devices-Part 12: Sample preparation and reference materials (ISO 10993-12:2012)

Biological evaluation of medical devices-Part 2: Animal welfare requirements (ISO 10993-2:2006)

3.0 Test and control articles

Groups	Test article	Negative Control Article(Polar)	Negative Control Article(Non-Polar)	Positive Control
Name	Disposable Face Mask	Sodium Chloride Injection (SC)	Sesame Oil (SO)	2, 4-Dinitrochlorobenze ne (DNCB)
Manufacture	Huizhou Bowen Manufacturing Limited	Shijiazhuang No.4 Pharmaceutical	Jiangxi xinsen natural vegetable oil co., Ltd.	TOKYO CHEMICAL INDUSTRY CO., LTD
Size	17.5cmX9.5cm	500 ml	25 kg	25 g
Model	KAZE01	/	/	/
Lot Batch#	2020-05	1912121907	181120	H2UKD-DM
Test Article Material	Non-woven fabric 50%; Melt-blown fabric 26%; Ear band 12.7%; Nose clip 11.3%	/		
Physical State	Solid	Liquid	Liquid	Solid
Color	Blue with white	Colorless	Light yellow	Light yellow
Package material	Packaging of plastic bags and cartons		1	/
Sterilization state	No	/		/
Concentration	1	0.9 %		Induction Concentration: 0.5 % Challenge
Concentation	,		,	Concentration: 1.0 %
				Dissolved in ethanol
	^	A	A	

Total Surface/Weight	Not provided	10	1	/
Storage Condition	Room Tep.	Room Tep.	Room Tep.	Room Tep.
The information abo	out the test article was supp	lied by the sponsor whe	rever applicable.	

4.0 Identification of test system

4.1 Test animal

Species: Hartley Guinea Pig (Cavia Porcellus)

Number: 30 (20 Test +10 Control)

Sex: 15 ♀, 15 ♂

Initial body weight: 300~500 g

Health status: Healthy, not previously used in other experimental procedures

Animal identification: Ear tag

Cages: Plastic cage

Acclimation Period: 7 days under the same conditions as for the actual test

4.2 Justification of test system

The albino guinea pig has been used historically for sensitization studies (Magnusson and Kligman, 1 970). The guinea pig is believed to be the most sensitive animal model for this type of study. DNCB is the positive control article recommended in the test instructions. To ensure the sensitivity of the experime ntal system, the positive control article should be verified every three months.

5.0 Animal Management

Animal purchase: Wuxi hengtai experimental animal breeding co. LTD SCXK (SU) 2020-0003

Bedding: Corncob Jiangsu Xietong Pharmaceutical Bio-engineering Co., Ltd.

Feed: Guinea pigs were fed with full-price pellets Jiangsu Xietong Pharmaceutical Bio-engineering Co., Ltd.

Water: Drinking water met the Standards for Drinking Water Quality GB 5749-2006

Animal room temperature: 18-26 °C

Animal room relative humidity: 30 %-70 %

Lights: 12 hours light/dark cycle, full-spectrum lighting

Personnel: Associates involved were appropriately qualified and trained

Selection: Only healthy, previously unused animals were selected

There were no known contaminants present in the feed, water, or bedding expected to interfere with the test data.

6.0 Equipment and reagents

6.1 Instruments

Constant Temperature Vibrator (SHB007, calibration data: 2020/3/16), Autoclave (SHB026, calibration data: 2020/3/16), Electronic scale (SHB017, calibration data: 2020/3/16)

6.2 Reagents

Freund's adjuvant Complete liquid (SIGMA, Lot No: SLBR3877V), Sodium dodecyl sulfate (SDS SIGMA, Lot No: SLBL2304V)

7.0 Experiment design

7.1 Sample preparation

The extracts of test article will be prepared according to the following steps:

Aseptic Sampling				Extr	action in sterile	vessels	
Sampling Manner	Actually sampling	Ratio	Reagent		Temperature	Time	рН
Whole	570.0 cm ²	6 cm ² : 1 ml	SC	95.0 ml	50 °C	,	
Whole	570.0 cm ²	O CIII : I IIII	SO	95.0 ml	30 C	/	5.5

Both inducements and excitations were prepared by the number of times. The state of the leaching solution did not change visually after the leaching was advanced. After extraction, the samples were stored at room temperature for no more than 24 h. The extraction solution is clear, and the pH value has not been adjusted, filtered, centrifuged, diluted and other processes. The control solution was prepared under the same conditions.

7.2 Test method

7.2.1 Intradermal induction phaseI

A pair of 0.1ml intradermal injections was made for each of the following, into each animal, at the injection sites (A, B and C) as shown in Figure 1 in the clipped intrascapular region.

- Site A: A 50:50 (volume ratio) stable emulsion of Freund's complete adjuvant mixed with the chosen solvent.
- Site B: The test sample (undiluted extract); the control animals were injected with the solvent alone.
- Site C: The test sample at the concentration used at site B, emulsified in a 50:50 volume ratio stable emulsion of Freund's complete adjuvant and the solvent (50 %); the control animals were injected with an emulsion of the blank liquid with adjuvant.

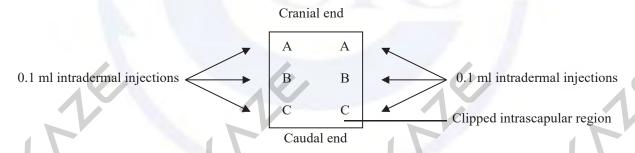


Figure 1 Location of intradermal injection sites

7.2.2 Topical induction phaseII

The maximum concentration that can be achieved in Intradermal induction phase I did not produce irritation, animals are pretreated with 10% sodium dodecyl sulfate 24(±2) hours before the topical induction application.

At 7 d after completion of the intradermal induction phase, administer test article extract by topical application to the intrascapular region of each animal, using a patch of area approximately 8 cm² (absorbent gauze), so as to cover the intradermal injection sites. Secure the patches with an occlusive dressing. Remove the dressings and patches after (48±2) h.

Treat the control animals similarly, using the blank liquid alone.

7.2.3 Challenge phase

At 14d after completion of the topical induction phase, challenge all test and control animals with the test sample. Absorbent gauzes (2.5 cmx2.5 cm) were soaked respectively with test article and control article. Apply the test article extract and control article topically to two sites that were not treated during the induction stage. Secure with an occlusive dressing. Remove the dressings and patches after (24±2) h.

8.0 The results observed

The day after challenge exposure, the patch will be removed and the area cleaned gently with gauze if necessary. The site will be wiped gently with a 0.9 % saline soaked gauze sponge prior to each scoring period. The challenge sites will be observed for signs of irritation and sensitization reaction, as indicated by erythema and edema. If necessary, the fur will be shaved or clipped in advance for the convenience of dermal score.

Daily challenge observation scores will be recorded approximately 24, and 48 hours after patch removal in accordance with the following classification system for skin reactions:

Patch test reaction Grading scale

No visible change 0

Discrete or patchy erythema 1

Moderate and confluent erythema 2

Intense erythema and/or swelling 3

Table 1 Magnusson and Kligman scale

9.0 Evaluation criteria

Magnusson and Kligman grades of 1 or greater in the test group generally indicate sensitization, provided grades of less than 1 are seen in control animals.

If grades of 1 or greater are noted in control animals, then the reactions of test animals which exceed the most severe reaction in control animals are presumed to be due to sensitization.

If the response is equivocal, rechallenge is recommended to confirm the results from the first challenge.

The outcome of the test is presented as the frequency of positive challenge results in test and control animals.

10.0 Results of the test

All animals were survived and no abnormal signs were observed during the study.Individual results of dermal scoring for the challenge appear in Table 2.

11.0 Conclusion

The test article showed no evidence of causing delayed dermal contact sensitization in the guinea pig. Results and conclusions apply only to the test article tested. Any extrapolation of these data to other articles is the sponsor's responsibility.

12.0 Record

All raw data pertaining to this study and a copy of the final report are retained in designated Huatongwei archive.

13.0 Confidentiality Agreement

Statements of confidentiality were as agreed upon prior to study initiation.

Table 2 Guinea pig Sensitization Dermal Reactions

			able 2 Gi	inica pig	Sensitizatio	n Dei mai i	Cactions		
		N	Pretest	Finished		enge patch ed 24h later	The Challe was remove		Positive
	Group	No.	weigh(g)	weigh(g)	Erythema	Swelling	Erythema	Swelling	rate
		1	314.7	378.8	0	0	0	0	
		2	318.0	366.0	0	0	0	0	
		3	304.3	382.3	0	0	0	0	
		4	308.8	384.3	0	0	0	0	
		5	317.0	367.1	0	0	0	0	4
	Test	6	315.3	370.4	0	0	0	0	0%
		7	317.6	364.5	0	0	0	0	
SC		8	315.8	355.5	0	0	0	0	
	V	9	305.0	354.1	0	0	0	0	T
		10	304.7	375.2	0	0	0	0	
	Control	11	316.3	383.3	0	0	0	0	
		12	304.6	384.4	0	0	0	0	
		13	314.8	371.9	0	0	0	0	_
		14	314.2	372.7	0	0	0	0	49
		15	304.6	378.6	0	0	0	0	
	1 1	16	304.4	383.1	0	0	0	0	
		17	310.9	358.1	0	0	0	0	
		18	309.2	377.8	0	0	0	0	
		19	314.4	376.6	0	0	0	0	
	Test	20	317.1	357.7	0	0	0	0	0%
	Test	21	302.4	367.9	0	0	0	0	070
		22	318.2	355.3	0	0	0	0	7
SO		23	315.4	351.2	0	0	0	0	
		24	308.5	354.8	0	0	0	0	
		25	302.6	354.3	0	0	0	0	
		26	318.5	364.7	0	0	0	0	
		27	314.3	352.4	0	0	0	0	
	Control	28	311.6	376.0	0	0	0	0	_
		29	310.9	366.4	0	0	0	0	
		30	315.5	368.1	0	0	0	0	

Table 3 Positive control

Group	No.	Pretest	Finished	The Challe		The Challe	~ .	Positiv
		weigh(g)	weigh(g)	Erythema	Swelling	Erythema	Swelling	e rate
	1	310.4	377.0	1	0	1	0	
	2	302.3	384.4	1	0	1	0	
	3	303.0	350.5	2	0	2	0	
	4	315.8	384.3	1	0	1	0	
T4	5	313.1	381.0	1	0	1	0	1000/
Test	6	308.7	361.1	1	0	2	0	100%
	7	302.7	360.5	2	0	1	0	
	8	312.9	354.3	1	0	1	0	
\ <u>_</u> '	9	316.1	379.6	1	0	1	0	-
	10	311.4	369.8	2	0	1	0	
	11	306.4	373.9	0	0	0	0	
	12	303.6	378.2	0	0	0	0	
Control	13	316.4	383.8	0	0	0	0	_
	14	318.6	351.7	0	0	0	0	
	15	311.9	358.4	0	0	0	0	
N.T. / FEST				2 (T: : 1	1 - 0 - 0	0.05.00		

Note: The positive control was CSTBB20040001P1(Finish date: 2020-05-08).







中国认可 国际互认 检测 TESTING CNAS L13034



Skin Irritation Test

Extraction Method

Final Report



Verification

Report Number: CSTBB20051121

Article Name: Disposable Face Mask

Method Standard: ISO 10993-10: 2010

Sponsor

Huizhou Bowen Manufacturing Limited

Xinnan 1st Road, Xianan Village, Yuanzhou Town, Boluo County, Huizhou City, Guangdong Province, P.R.China

Test Facility

CCIC Huatongwei international inspection (Suzhou) Co., Ltd

Room 101, Building G, Ruoshui Road 388, Suzhou, Jiangsu, China

CONTENTS

Notices	 	
Abstract		4
Study Verification and Signature	 	5
1.0 Purpose	 	6
2.0 Reference	 	6
3.0 Test and control articles		6
4.0 Identification of test system		6
5.0 Animal Managment		
6.0 Equipment and reagents		
7.0 Experiment design		
8.0 The results observed	 	8
9.0 Evaluation criteria		
10.0 Results of the test		
11.0 Conclusion		
120 Record		
13.0 Confidentiality Agreement		
13.0 Confidentiality Agreement	 	۶

Notices

- 1. Please apply for rechecking within 15 days of receiving the report if there is any objection.
- 2. Any erasure or without special testing seal renders the report null and void.
- 3. The report is only valid when signed by the persons who edited, checked and approved it.
- 4. The report is only responsible for the test results of the tested samples.
- 5. The report shall not be reproduced except in full without the written approval of the company.



Abstract

In this study, we took New Zealand white Rabbits to observe the skin irritation of the test article according to ISO10993-10:2010.

The test article were extracted in Constant Temperature Vibrator at 50 °C, 60 rpm for 72 h by 0.9 % Sodium Chloride Injection and Sesame Oil. Apply 0.5 ml extracts of test article or control to 2.5 cm×2.5 cm absorbent gauze patches, and then apply the patch soaked with the extract of test article or control directly to the skin on each side of each rabbit, and then wrap the application sites with a bandage for a minimum of 4 h. At the end of the contact time, remove the dressing. The describe and score the skin reaction for erythema and oedema for each application site at each time interval. Record the appearance of each application site at (1±0.1) h, (24±2) h, (48±2) h and (72±2) h following removal of the patches.

The results showed that the rabbits in the negative control group (0.9 % Sodium Chloride Injection, Sesame Oil) retained a normal appearance throughout the test and showed no skin irritants. A severe skin reactions for erythema and oedema were shown in the positive control group (SDS). While in test article group, the response of skin on testing side did not exceed that on the control side. The skin reactions for erythema and oedema were not observed in test article group. The data of each group met the acceptance criteria, and the results of this test were considered valid.

Based on the above results, it can be concluded that under the experimental conditions, the test article Disposable Face Mask have no potential skin irritation on rabbit in the extraction method.

Study Verification and Signature



Protocol Number SST2005032703BB

Protocol Effective Date 2020-05-22

Technical Initiation Date 2020-05-22

Technical Completion Date 2020-05-29

Final Report Completion Date 2020-06-19

Personnel

Na lan

Date Completed

Approved

Study Director

Date Completed

Supervisory

Test Facility Manager

Date Completed

Huatongwei international inspection (Suzhion) Co. Lite

1.0 Purpose

To evaluate the potential skin irritation caused by test article contact with the skin surface of rabbits and extrapolating the results to humans, but it does not establish the actual risk of irritation.

2.0 Reference

Biological evaluation of medical devices Part 10: Tests for irritation and skin sensitization (ISO 10993-10: 2010)

Biological evaluation of medical devices-Part 12: Sample preparation and reference materials (ISO 10993-12:2012)

Biological evaluation of medical devices-Part 2: Animal welfare requirements (ISO 10993-2:2006)

3.0 Test and control articles

Groups	Test article	Negative Control	Negative Control	Positive Control
Groups	Test differe	Article(Polar)	Article(Non-Polar)	1 ositive Control
Name	Disposable Face Mask	Sodium Chloride Injection (SC)	Sesame Oil (SO)	10 % sodium dodecyl sulfate (SDS)
Manufacture	Huizhou Bowen Manufacturing Limited	Shijiazhuang No.4 Pharmaceutical	Jiangxi xinsen natural vegetable oil co., Ltd.	SIGMA
Size	17.5cmX9.5cm	500 ml	25 kg	25 g
Model	KAZE01	/	/	/
Lot Batch#	2020-05	1912121907	181120	SLBL2304V
Test Article Material	Non-woven fabric 50%; Melt-blown fabric 26%; Ear band 12.7%; Nose clip 11.3%			,
Physical State	Solid	Liquid	Liquid	Solid
Color	Blue with white	Colorless	Light yellow	Colorless
Package material	Packaging of plastic bags and cartons	/	/	/
Sterilization state	No	/	1	/
Concentration	/	0.9 %		10 %
Total Surface/Weight	Not provided	/		1
Storage Condition	Room Tep.	Room Tep.	Room Tep.	Room Tep.
The information abo	out the test article was supplied	ed by the sponsor wher	ever applicable.	

4.0 Identification of test system

4.1 Test animal

Species: New Zealand white Rabbit

Number: 6 Sex: $3 \circlearrowleft$, $3 \circlearrowleft$ Weight: >2 kg

Health status: Healthy, not previously used in other experimental procedures

Animal identification: Ear tattoo

Cages: Stainless steel cage

Acclimation Period: 7 days under the same conditions as for the actual test

4.2 Justification of test system

The rabbit is specified as an appropriate animal model for evaluating potential skin irritants by the current testing standards. Positive control 10% sodium dodecyl sulfate has been substantiated at HTW with this method.

5.0 Animal Managment

Animal purchase: Wuxi hengtai experimental animal breeding co. LTD SCXK (SU) 2020-0003

Bedding: /

Feed: Experimental rabbits were fed a maintenance diet, Wuxi hengtai experimental animal breeding co. LTD

Water: Drinking water met the Standards for Drinking Water Quality GB 5749-2006

Animal room temperature: 18-26 °C

Animal room relative humidity: 30 %-70 %

Lights: 12 hours light/dark cycle, full-spectrum lighting

Personnel: Associates involved were appropriately qualified and trained

Selection: Only healthy, previously unused animals were selected

There were no known contaminants present in the feed, water, or bedding expected to interfere with the test data

6.0 Equipment and reagents

6.1 Instruments

Constant Temperature Vibrator (SHB007, calibration data: 2020/3/16), Autoclave (SHB026, calibration data: 2020/3/16), Electronic scale (SHB017, calibration data: 2020/3/16)

7.0 Experiment design

7.1 Sample preparation

The extracts of test article will be prepared according to the following steps:

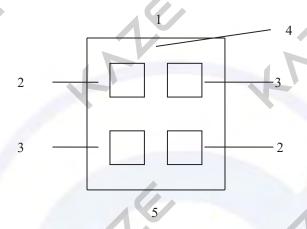
A	Extraction in sterile vessels						
Sampling Manner	Actually sampling	Ratio	Reagent		Temperature	Time	pН
Whole	570.0 cm ²	6 cm ² : 1 ml	SC	95.0 ml	50 °C	72 h	5.5
Whole	570.0 cm ²	o cin-: 1 iiii	SO	95.0 ml	30 C	/2 II	/

The state of the leaching solution did not change visually after the leaching was advanced. The extractions were clear, and the pH value has not been adjusted, filtered, centrifuged, diluted and other processes, before dosing stored at room temperature no more than 24 h. The control solution was prepared under the same conditions

7.2 Test method

Use the rabbits with healthy intact skin. Fur was generally clipped within 24 h period before testing on the backs of the rabbits, a sufficient distance on both sides of the spine for application and observation of all test sites (approximately 10×15 cm).

Apply 0.5 ml extract (s) of test article or control to 2.5 cm×2.5 cm absorbent gauze patches, and then apply the patch soaked with the extract of test article or control directly to the skin on each side of each rabbit as shown in Figure 1, and then wrap the application sites with a bandage (semi-occlusive or occlusive) for a minimum of 4h. At the end of the contact time, remove the dressing.



1- Cranial end, 2- Test site, 3- Control site, 4- Clipped dorsal region, 5- Caudal end

Figure 1 Location of skin application sites

8.0 The results observed

The Describe and score the skin reaction for erythema and oedema according to the scoring system given in Table 1 for each application site at each time interval. Record the appearance of each application site at (1 ± 0.1) h, (24 ± 2) h, (48 ± 2) h and (72 ± 2) h following removal of the patches.

Table 1 Classification System for Skin Reaction

Erythema and Eschar Formation:	Numerical Grading
No erythema	0
Very slight erythema (barely perceptible)	1
Well-defined erythema	2
Moderate erythema	3
Severe erythema (beet redness) to eschar formation preventing grading of erythema	4
Edema Formation:	
No edema	0
Very slight edema (barely perceptible)	1
Well-defined edema (edges of area well-defined by definite raising)	2
Moderate edema (raised approximately 1mm)	3
Severe edema (raised more than 1mm and extending beyond exposure area)	4

Maximal possible score for irritation	on		8
Irritation Response Categories in	the Rabbit		
Response Category			Mean score
Negligible			0 to 0.4
Slight			0.5 to 1.9
Moderate		·	2 to 4.9
Severe			5 to 8

9.0 Evaluation criteria

Use only (24 ± 2) h, (48 ± 2) h and (72 ± 2) h observations for calculation.

After the 72 h grading, all erythema grades plus oedema grades (24±2) h, (48±2) h and (72±2) h were totalled separately for each test article and blank for each animal. The primary irritation score for an animal was calculated by dividing the sum of all the scores by 6 (two test/observation sites, three time points).

To obtain the primary irritation index for the test article, add all the primary irritation scores of the individual animals and divide by the number of animals.

When blank or negative control was used, calculate the primary irritation score for the controls and subtract that score from the score using the test material to obtain the primary irritation score.

10.0 Results of the test

All animals were survived and no abnormal signs were observed during the study. According to what observed, the response of skin on testing side did not exceed that on the control side. Thus, the primary irritation index for the test article was calculated to be 0. See table 2.

11.0 Conclusion

The test result showed that the response of the test article extract was categorized as negligible under the test condition.

12.0 Record

All raw data pertaining to this study and a copy of the final report are retained in designated Huatongwei archive.

13.0 Confidentiality Agreement

Statements of confidentiality were as agreed upon prior to study initiation.



Table 2 Skin irritation response observation

		Tab	ie z Skin	irritation	response of	oservatio	n		
Pagant	Rabbit	Pretest	Finished	Crove	Pagetian	Inter	val (hours):	score=left/1	right
Reagent	No	weigh(g)	weigh(g)	Group	Reaction	1h	24h	48h	72h
			2.20	Test	Erythema	0/0	0/0	0/0	0/0
	1	2.21		Article	Oedema	0/0	0/0	0/0	0/0
	1	2.21	2.28	Negative	Erythema	0/0	0/0	0/0	0/0
				Control	Oedema	0/0	0/0	0/0	0/0
SC				Test	Erythema	0/0	0/0	0/0	0/0
	2	2.16	2.24	Article	Oedema	0/0	0/0	0/0	0/0
		2.10	2.24	Negative	Erythema	0/0	0/0	0/0	0/0
				Control	Oedema	0/0	0/0	0/0	0/0
	3			Test	Erythema	0/0	0/0	0/0	0/0
		2.11	2.20	Article	Oedema	0/0	0/0	0/0	0/0
				Negative Control	Erythema	0/0	0/0	0/0	0/0
					Oedema	0/0	0/0	0/0	0/0
		Primary irr	ritation index				0		
	4 2.15		2.22	Test Article	Erythema	0/0	0/0	0/0	0/0
-		2.15			Oedema	0/0	0/0	0/0	0/0
		2.13		Negative Control	Erythema	0/0	0/0	0/0	0/0
					Oedema	0/0	0/0	0/0	0/0
				Test	Erythema	0/0	0/0	0/0	0/0
SO	5	2.09	2.15	Article	Oedema	0/0	0/0	0/0	0/0
50	5	2.09	2.13	Negative	Erythema	0/0	0/0	0/0	0/0
				Control	Oedema	0/0	0/0	0/0	0/0
		6 2.13		Test	Erythema	0/0	0/0	0/0	0/0
V	6		2.20	Article	Oedema	0/0	0/0	0/0	0/0
	6		2.20	Negative Control	Erythema	0/0	0/0	0/0	0/0
					Oedema	0/0	0/0	0/0	0/0
		Primary irr	ritation index				0		

Table 3 Positive control

D-1114 NJ	Commi	Destina	Interval (hours): score=left site/right site				
Rabbit No	Group	Reaction	1h	24h	48h	72h	
	Desition of the 1	Erythema	0/0	1/2	2/3	3/3	
1	Positive control	Oedema	0/0	2/1	2/2	3/3	
1	Na satissa Camtus 1	Erythema	0/0	0/0	0/0	0/0	
	Negative Control	Oedema	0/0	0/0	0/0	0/0	
	De la line e manual	Erythema	0/1	2/1	3/3	4/3	
	Positive control	Oedema	1/0	2/2	3/3	3/4	
2		Erythema	0/0	0/0	0/0	0/0	
\-\'	Negative Control	Oedema	0/0	0/0	0/0	0/0	
	D ::: 1	Erythema	1/0	1/2	3/3	4/3	
2	Positive control	Oedema	0/1	2/1	3/4	3/4	
3	N. J. G. J. I.	Erythema	0/0	0/0	0/0	0/0	
	Negative Control	Oedema	0/0	0/0	0/0	0/0	
A	Primary irritation inde		5.	.2			

Positive control performed once every six months see CSTBB20020001P3(Finish date: 2020-02-21)



Page 11 of 11