

Test Report **SL52025246155001TX** **Date: May 15, 2020** **Page 1 of 8**
BEIJING BIOSIS HEALING BIOLOGICAL TECHNOLOGY CO.,LTD
NO.6 PLANT WEST, VALLEY NO.1 BIO-MEDICINE INDUSTRY PARK, DAXING DISTRICT, 102600 BEIJING,
PEOPLE'S REPUBLIC OF CHINA

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

Sample Description : (A)Protective clothing
Style No. : BH800
Sample Color : (A)White
Manufacturer : Beijing Biosis Healing Biological Technology Co.,Ltd

Proposed Care Instruction : -

Sample Receiving Date : Apr 24, 2020
Testing Period : May 07, 2020 - May 15, 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).

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

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)

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-Documents.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



3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com
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 e sgs.china@sgs.com

EN 14325:2018 Clause 4.6 Compression-Folding (Schildknecht) Flex Cracking Resistance at -30°C

(EN ISO 7854:1997, Method B;)

As Received

(A)	No. 1	No. 2	No. 3	Minimum
Warp/Lengthwise(Cycles)	>4000	>4000	>4000	>4000
Weft/Widthwise(Cycles)	>4000	>4000	>4000	>4000

Recommended Class: 6

Remark:

- 1) Visual examination is used for damage assessment after flex cracking. Visual inspection shall not be used for the performance classification of Type 1 through Type 3(EN 943-1, EN 943-2, EN 14605)
- 2) Classification of compression-folding(Schildknecht) flex cracking resistance at low temperatures: Class 1 >100cycles; Class 2 >200cycles; Class 3 >500cycles; Class 4 >1000cycles; Class 5 >2000cycles; Class 6 >4000cycles.

EN 14325:2018 Clause 4.7 Trapezoidal Tear Resistance

(EN ISO 9073-4:1997;)

As Received

(A)	No. 1	No. 2	No. 3	No. 4	No. 5	Minimum
Warp/Length Yarns Torn(N)	66	65	66	56	54	54
Weft/Width Yarns Torn(N)	31	29	29	29	33	29

Recommended Class: 2

Remark:

Classification of trapezoidal tear resistance: Class 1 >10N; Class 2 >20N; Class 3 >40N; Class 4 >60N; Class 5 >100N; Class 6 >150N.

EN 14325:2018 Clause 4.9 Tensile Strength

(EN ISO 13934-1:2013;CRE - 2" Strip)

As Received

(A)	No. 1	No. 2	No. 3	No. 4	No. 5	Minimum
Warp/Length(N)	120	110	110	110	110	110
Weft/Width(N)	67	71	75	62	72	62

Recommended Class: 2

Remark:

Classification of tensile strength: Class 1 >30N; Class 2 >60N; Class 3 >100N; Class 4 >250N; Class 5 >500N; Class 6 >1000N.

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-Documents.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



EN 14325:2018 Clause 4.10 Puncture Resistance

(EN 863:1995;)

As Received

(A)	No. 1	No. 2	No. 3	No. 4	No. 5	Minimum
Puncture Force(N)	11	12	13	11	11	11

Recommended Class: 2

Remark:

Classification of puncture resistance: Class 1 >5N; Class 2 >10N; Class 3 >50N; Class 4 >100N; Class 5 >150N; Class 6 >250N.

Clause 4.2 Performance Requirements for Seams, Joins and Assemblages

Clause 4.2.2 Seam Strength

(EN ISO 13935-2:2014)

	# 1	# 2	# 3	Average
Sleeve Seam (N)	106(F.R.)	101(F.R.)	107(F.R.)	105(F.R.)
In-side seam (N)	118(F.R.)	123(F.R.)	105(F.R.)	115(F.R.)
Back rise Seam (N)	80(F.T.S.)	117(F.T.S.)	99(F.T.S.)	99(F.T.S.)

Recommended Class 3

Notes F.R. = Fabric Rupture; F.T.S.= Fabric Tear at Seam

Remark:

Classification of seam strength: Class 1 >30N; Class 2 >50N; Class 3 >75N; Class 4 >125N; Class 5 >300N; Class 6 >500N.

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@sgs.com

3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn
 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 e sgs.china@sgs.com



Test Part Description :

Specimen No.	Description
1+2	1 body + 2 zipper tape
3+4+5	3 rubber + 4 zipper teeth + 5 adhesive strip

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 HPLC-MS.

Test Item(s)	1+2
Nonylphenol ethoxylates (NPEOs)	ND
Conclusion	PASS

Notes :

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

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

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

Test Item(s)	3+4+5
Cadmium (Cd)	ND
Conclusion	PASS

Notes :

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

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-Documents.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

3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn
 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 e sgs.china@sgs.com



Test Method : Modified § 64 LFGB, BVL, B 82.02.8-2001 with KOH extraction. Analysis was conducted by GC-MS / GC-ECD. #

<u>Test Item(s)</u>	1+2
Pentachlorophenol (PCP)	ND
Conclusion	PASS

Notes :

RL (Reporting limit) = 0.5 mg/kg
 ND = Not Detected(< RL)
Requirement: Banned

Entry 20 of Regulation (EC) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 – Organostannic compounds

Test Method : With reference to ISO 17353: 2004 with carbamate, analysis was performed by GC-MS.

<u>Test Item(s)</u>	1+2
Tri-substituted Organostannic Compounds* (as Tin)	ND
Dibutyltin (DBT) Compounds (as Tin)	ND
Di-octyltin (DOT) Compounds (as Tin)	ND
Conclusion	PASS

<u>Test Item(s)</u>	3+4+5
Tri-substituted Organostannic Compounds* (as Tin)	ND
Dibutyltin (DBT) Compounds (as Tin)	ND
Di-octyltin (DOT) Compounds (as Tin)	ND
Conclusion	PASS

Notes :

RL (Reporting limit):100mg/kg (each)
 ND = Not Detected (< RL)
Requirement :
Tri-substituted organostannic compound (TBT, TPhT, TCyT, TPT, TOT, TMT):1000 mg/kg by weight of tin (sum)
DBT: 1000mg/kg by weight of tin
DOT: 1000mg/kg by weight of tin
 * = Tri-substituted organostannic compound include Tributyltin (TBT), Triphenyltin (TPhT), Tricyclohexyltin (TCyT), Tripropyltin (TPT), Trioctyltin (TOT) and Trimethyltin (TMT).



Test Method : With reference to EN 14372:2004, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	3+4+5
Benzylbutyl Phthalate (BBP)	85-68-7	ND
Dibutyl Phthalate (DBP)	84-74-2	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND
Total(DBP+BBP+DEHP+DIBP)		ND
Conclusion		PASS

Notes :

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

ND = Not Detected(< RL)

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

Commission Regulation (EU) No 1272/2013 amending Annex XVII of REACH Regulation (EC) No 1907/2006- Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

Test Item(s)	3+4+5
Benzo(a)anthracene(BaA)	ND
Benzo(a)pyrene(BaP)	ND
Benzo(b)fluoranthene(BbF)	ND
Benzo(e)pyrene(BeP)	ND
Benzo(j)fluoranthene(BjF)	ND
Benzo(k)fluoranthene(BkF)	ND
Chrysene(CHR)	ND
Dibenzo(a,h)anthracene(DBA)	ND
Conclusion	PASS

Notes :

RL (Reporting limit): 0.1 mg/kg (each)

ND = Not Detected(< RL)

Requirement: 1mg/kg (each)



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-Documents.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
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn
 Testing Center for 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 e sgs.china@sgs.com

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

Test Item(s)

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

3+4+5

ND

Conclusion

PASS

Notes :

RL (Reporting limit) = 50 mg/kg

ND = Not Detected(< RL)

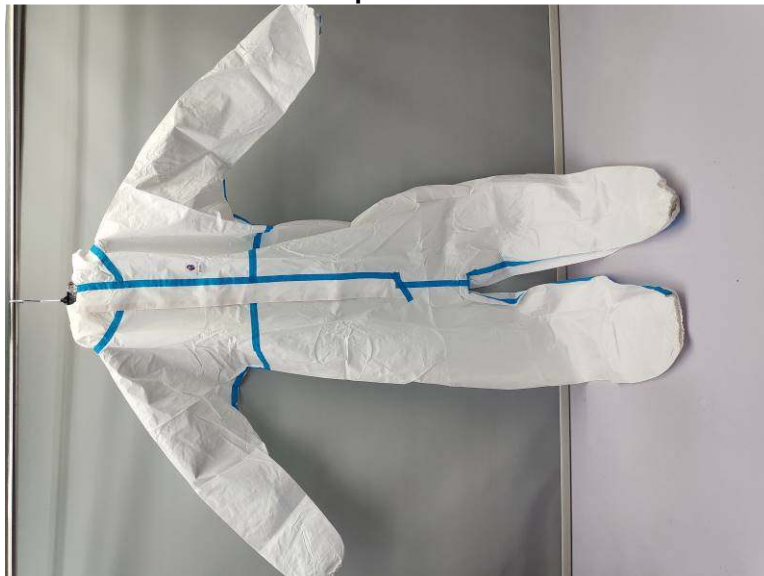
Requirement: 1500 mg/kg

Conclusions on pass/fail are based on the test result from the actual sampling of the received sample(s).

The composite sampling method is based on the client's special request and is a modification from the testing standard.

This test method is not in CNAS accredited scope

Sample Photo



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-Documents.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
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn
Testing Center for POPs 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 e sgs.china@sgs.com