

Test Report

No.SDHL250300345901FT

Date: Mar 27, 2025

Page 1 of 7

COMFORT OFFICE FURNITURE CO., LTD GUANGDONG
ROOM 1901, NO. 6 XINGSHA ROAD, NANSHA STREET, NANSHA DISTRICT, GUANGZHOU

Sample Description : ERGOHUMAN OFFICE CHAIR
Style No. : ERGOHUMAN ELITE 2
Item No. : EHE2
Client Reference Information : Style No.: ERGOHUMAN LUXURY 2
Item No.: EHL2

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Mar 13, 2025
Sample Resubmission Date : Mar 26, 2025
Test Performing Date : Mar 14, 2025 to Mar 27, 2025
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	BIFMA G1-2013	Meet	/
For further details, please refer to the following page(s)			

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

Marco Leung

Marco Leung
Authorized Signatory

Scan to see the report



SDHL250300345901FT
Verification:
check.sgschina.com.cn



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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
1-2/F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757)22805888 www.sgschina.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com

TESTS AND RESULTS
Test Conducted:

BIFMA G1-2013 Ergonomics Guideline for Furniture Used In Office Work Spaces Designed For Computer Use --
The work chair.

No. of Sample:

1 piece (Sample #1). For more sample information and pictures, please refer to the following page.

Recommendation for Dimensions/Range of an office work chair

Section No.	Parameter		Results		+CMDU	-CMDU	Unit	Rating
7.1.1	Seat Height		Highest	500.0	525.0	475.0	mm	Meet
			Lowest	395.0	414.8	375.3	mm	
			Range	105.0	110.3	99.8	mm	
	<i>Recommendation for Seat Height: A chair, or chair with a combination of height adjustment mechanisms, should have a minimum seat height range from 376 mm (14.8 in.) to 512 mm (20.2 in.).</i>							
7.1.2	Seat Depth	Adjustable	Max.	438.0	459.9	416.1	mm	Meet
			Min.	429.0	450.5	407.6	mm	
			Range	9.0	9.5	8.6	mm	
		Fixed		-	-	-	mm	N/A
<i>Recommendation for Seat Depth: For chairs with fixed seat depth, the depth should not be deeper than 415 mm (16.3 in.) to accommodate the 5th percentile female buttock-popliteal length. For chairs with adjustable seat depth, the adjustment range should include a seat depth of 415 mm (16.3 in.) or less.</i>								
7.1.3	Seat Width			510.0	535.5	484.5	mm	Meet
	<i>Recommendation for Seat Width: The seat width should be at least 489 mm (19.2 in.). This seat width will accommodate at least* the 90th percentile female hip breadth and the 97th percentile male hip breadth. If a larger seat width is provided, the percentile of users supported should be stated. For example, a seat width of 517 mm (20.4 in.) will accommodate at least* the 95th percentile female hip breadth and greater than the 99th percentile male hip breadth. To determine the percentile of users supported by a given seat width, see Appendix B for the hip breadth, sitting dimensions. *Reference Discussion regarding hip breadth width versus seat contact area.</i>							
7.1.4	Seat Pan Angle	Fixed		-	-	-	°	N/A
		Adjustable	Initial	0.5	2.0	-1.0	°	Meet
			Reclined	7.8	9.3	6.3	°	
			Range	7.3	8.8	5.8	°	



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

1-2/F., Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757)22805888 www.sgs.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com

Section No.	Parameter		Results	+CMDU	-CMDU	Unit	Rating	
	<i>Recommendation for Seat Pan Angle: Industry practice suggests that the seat pan angle, if fixed, should fall within a range from 0° (horizontal) to 4° rearward. If adjustable rearward, forward or both, the seat pan angle adjustment should include some part of the range between 0° (horizontal) to 4° rearward.</i>							
7.2.1	Backrest Height		598.0	627.9	568.1	mm	Meet	
	<i>Recommendation for Backrest Height: The minimum backrest height should be 354 mm (13.9 in.).</i>							
7.2.2	Backrest Width in Lumbar Support		430.0	451.5	408.5	mm	Meet	
	<i>Recommendation for Backrest Width in Lumbar Region: In the absence of an anthropometric measurement representative of the lumbar width, previous NATICK data, and industry practice is that minimum width of the backrest in the lumbar region should be at least 360 mm (14.2 in.). Due to the complexity and interdependency of the many variables for backrest width above or within the lumbar region, the Ultimate Test for Fit is the most important criteria for acceptability.</i>							
7.2.3	Lumbar Support	Fixed	-	-	-	mm	N/A	
		Adjustable	Highest	232.0	243.6	220.4	mm	Meet
			Lowest	175.0	183.8	166.3	mm	
			Range	57.0	59.9	54.2	mm	
	<i>Recommendation for Lumbar Support: The height of the most forward point of the lumbar support based on industry practice should be within the range of 150 mm to 250 mm (5.9 in. to 9.8 in.). If adjustable, the height of the lumbar support should include at least part of the recommended range given above. The lumbar support should follow the shape of the spine, however, due to the wide variety of shapes, and the inconsistencies and difficulty in measuring this characteristic, the Ultimate Test for Fit is the most important criteria for acceptability.</i>							
7.3	Movements of the Seat Pan and Back Support	Fixed	-	-	-	°	N/A	
		Adjustable	Max.(B.H.)	135.0	148.5	121.5	°	Meet
			Min.(B.H.)	98.7	108.6	88.8	°	
			Range(B.H.)	36.3	41.7	30.9	°	
			Max.(B.S.)	127.2	139.9	114.5	°	
			Min.(B.S.)	98.2	108.0	88.4	°	
	Range(B.S.)	29.0	33.4	24.7	°			
<i>Recommendation for Movements of the Seat Pan and Back Support: If fixed, the angle between the seat and back should allow the user to achieve a torso-to-thigh angle of at least 90°. If adjustable, industry practice suggests that the backrest should have an adjustment range of 15° or greater, of which at least 15° should fall within the range of 90° (vertical) to 120°.</i>								
7.4.1	Armrest Height	Fixed	-	-	-	mm	Not recommended.	



Section No.	Parameter		Results		+CMDU	-CMDU	Unit	Rating
		Adjustable	Highest	308.0	323.4	292.6	mm	Meet
			Lowest	205.0	215.3	194.8	mm	
			Range	103.0	108.2	97.9	mm	
	<i>Recommendation for Armrest Height</i> <i>For adjustable height armrests, the height should adjust to include the range of 195 mm to 289 mm (7.7 in. to 11.4 in.). This may be accomplished either through a single set of armrests covering the recommended adjustment range, or multiple sets of armrests each covering a portion of the recommended adjustment range.</i>							
7.4.2	Armrest Length and Position	Fixed		200.0	210.0	190.0	mm	No specific recommendation
		Adjustable	Max.	-	-	-	mm	
			Min.	-	-	-	mm	
			Range	0.0	0.0	0.0	mm	
	<i>Recommendation for Armrest Length and Position:</i> <i>No specific armrest length recommendation is made.</i>							
7.4.3	Inside Distance Between Armrests (Pads / Caps)	Fixed		-	-	-	mm	N/A
		Adjustable	Max.	515.0	540.8	489.3	mm	Meet
			Min.	475.0	498.8	451.3	mm	
			Range	40.0	42.0	38.0	mm	
	<i>Recommendation for Inside Distance Between Armrests:</i> <i>For adjustable width armrests, the inside distance between armrest adjustment range should include a distance of at least 493 mm (19.4 in.) to accommodate the 90th percentile female hip breadth and the 98th percentile male hip breadth.</i> <i>The percentile of users supported should be stated.</i> <i>For example, an armrest adjustment range from 337 mm (13.3 in.) to 523 mm (20.6 in.) will accommodate the 5th percentile male hip breadth, sitting up to the 95th percentile female hip breadth, sitting and greater than the 99th percentile male hip breadth, sitting. A combination of armrest designs and/or multiple seat widths may be used to meet this recommendation.</i> <i>To determine the percentile of users supported by a given inside distance between armrests, see Appendix B for the hip breadth, sitting dimensions.</i> <i>For fixed armrests the inside distance between armrests should be at least 493 mm (19.4 in.) to accommodate the 90th percentile female hip breadth and the 98th percentile male hip breadth.</i>							
Note: 1. In this report, only the actual values of dimensions were recorded as the results and evaluated whether meet the recommendations, but not "PASS" or "FAIL" due to the statement of BIFMA G1-2013 that "G1 is a Guideline not a Standard; the dimensions given within the G1 document are recommendations, not requirements." 2. The uncertainties were considered in determining compliance to the recommendations. However, the confidence level and k-factor were not considered due to not specified in the standards. 3. All measurements were conducted with reference to the methods and procedures of BIFMA/CMD-1-2013. The measurement uncertainty for all sections, except those listed below, is ± 5%.								



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

1-2/F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757)22805888 www.sgs.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com

Test Report

No.SDHL250300345901FT

Date: Mar 27, 2025

Page 5 of 7

Section No.	Parameter	Results	+CMDU	-CMDU	Unit	Rating
	<u>Section</u>	<u>Uncertainty</u>				
	10.5-10.10	± 10%				
	10.11-10.12	± 15%				
	11.5-11.7	± 1.5°				

Remark:

1. N/A – Not applicable.
2. According to client's statements, the tested Style/Item No. ERGOHUMAN ELITE 2 / EHE2 is identical to the Style/Item No. as stated in "Client Reference Information" column on the first page.
3. For the sample information and pictures, please refer to the following page.



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

1-2/F., Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757)22805888 www.sgs.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com

SAMPLE INFORMATION AND PICTURES

Weight: 25.3 kg

Overall Dimensions: (708~1145) mm D x 730 mm W x (1155~1315) mm H

Other Dimensions: /

Sample as Received



View 1



View 2



View 3



View 4



SGS-TESTING Technical Services Co., Ltd.
Shunde Branch

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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

1-2/F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757) 22805888 www.sgs.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757) 22805888 sgs.china@sgs.com



View 5



View 6

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.

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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

1-2/F., Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300 t (86-757)22805888 www.sgs.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com