Test Report

Report Number: SHFT251200069571

Sample name:	i-Bar	Report to:	Multi Home Builder Sdn. Bhd.	Laboratory name:	SGS-CSTC Standards Technical Services Co.,Ltd Suzhou Branch
SGS ID:	SHFT2512000695HS M1 SHFT2512000695HS M2	Address:	No. 32-01, Jalan SiLC 1/14, Kawasan Perindustrian SiLC, 79200 Iskandar Puteri, Johor, Malaysia.	Laboratory address:	3/4/F., Building 1, Liandong U Valley, No.200 Xingpu Road, Suzhou Industrial Park, Suzhou, Jiangsu, China
Sample Model No:	N/A	Manufacturer:	N/A	Test Laboratory address:	Building 66, No. 100, Xianlie Middle Road, Guangzhou, China
Sample Quantity:	1	Manufacturer Address:	N/A		

Generic Description: iBar Air Quality Improvement System
Date Received: 2025-12-21

Test Method: **Refer to Appendix E of QB/T 2761-2024 to test the spatial removal efficiency of microorganisms at 0.5h, 1h, 1.5h, and 2h and report the result of removal rate.**

Sample photo

Disclaimer:
The above samples and information are provided and confirmed by the customer, SGS is not responsible for verifying the accuracy, appropriateness and / or completeness of the information provided by the customer.
Without the written consent of the institution, the client shall not use the results for improper publicity without authorization.

The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc…and just for client internal reference.

Approved by: Legend Xue
Legend Xue
SGS IBR Laboratory Manager

Revision	Editorial or Technical	Description	Release Date
		Initial Release	2026-01-23

SGS IBR LABORATORIES

Test Report

SGS Report Number:	SHFT251200069571	Performed for:	Multi Home Builder Sdn. Bhd.
Test Date:	2025-12-23~2026-01-16	Location:	No. 32-01, Jalan SiLC 1/14, Kawasan Perindustrian SiLC, 79200 Iskandar Puteri, Johor, Malaysia.
Received Date:	2025-12-21	Contact:	Mr Cheng Yok Kiong

Test Method: **Refer to Appendix E of QB/T 2761-2024 to test the spatial removal efficiency of microorganisms at 0.5h, 1h, 1.5h, and 2h and report the result of removal rate.**

Sample & Steup Information

Description of Sample: Rectangular Equipment
Customer ID: N/A
SGS ID: SHFT2512000695HS M1
Test Microorganism: Salmonella enterica subsp. enterica serovar Typhimurium CMCC(B) 50115
Pseudomonas aeruginosa ATCC 15442
Chamber size: 10m^3

Removal rate - Summary

The test microorganism	Action time	Serial Number	Control group		Test group	
			The amount of bacteria in the air (cfu/m^3)	Natural decay rate (%)	The amount of bacteria in the air (cfu/m^3)	Target pollutant (microbial) removal rate (%)
Salmonella enterica subsp. enterica serovar Typhimurium CMCC (B) 50115	0 h	1	1.2×10^5	/	1.1×10^5	/
		2	1.1×10^5	/	1.3×10^5	/
		3	1.2×10^5	/	1.2×10^5	/
	0.5 h	1	1.1×10^5	8.33	6.5×10^4	35.54
		2	9.9×10^4	10.00	6.9×10^4	41.03
		3	1.1×10^5	8.33	7.0×10^4	36.36
	Average					**37.64**
	1 h	1	9.5×10^4	20.83	4.9×10^4	43.72
		2	8.6×10^4	21.82	5.1×10^4	49.82
		3	9.6×10^4	20.00	5.2×10^4	45.83
	Average					**46.46**
	1.5 h	1	8.3×10^4	30.83	3.6×10^4	52.68
		2	7.3×10^4	33.64	3.4×10^4	60.59
		3	8.4×10^4	30.00	3.7×10^4	55.95
	Average					**56.41**
	2 h	1	7.0×10^4	41.67	2.3×10^4	64.16
		2	6.3×10^4	42.73	2.2×10^4	70.45
		3	7.2×10^4	40.00	2.5×10^4	65.28
	Average					**66.63**

SGS IBR LABORATORIES

Test Report

SGS Report Number:	SHFT251200069571	Performed for:	Multi Home Builder Sdn. Bhd.
Test Date:	2025-12-23~2026-01-16	Location:	No. 32-01, Jalan SiLC 1/14, Kawasan Perindustrian SiLC, 79200 Iskandar Puteri, Johor, Malaysia.
Received Date:	2025-12-21	Contact:	Mr Cheng Yok Kiong

Test Method: **Refer to Appendix E of QB/T 2761-2024 to test the spatial removal efficiency of microorganisms at 0.5h, 1h, 1.5h, and 2h and report the result of removal rate.**

Sample & Steup Information

Description of Sample: Rectangular Equipment
Customer ID: N/A
SGS ID: SHFT2512000695HS M2
Test Microorganism: Salmonella enterica subsp. enterica serovar Typhimurium CMCC(B) 50115
Pseudomonas aeruginosa ATCC 15442
Chamber size: 10m^3

Removal rate - Summary

The test microorganism	Action time	Serial Number	Control group		Test group	
			The amount of bacteria in the air (cfu/m^3)	Natural decay rate (%)	The amount of bacteria in the air (cfu/m^3)	Target pollutant (microbial) removal rate (%)
Pseudomonas aeruginosa ATCC 15442	0 h	1	1.1×10^5	/	1.1×10^5	/
		2	9.6×10^4	/	9.9×10^4	/
		3	1.1×10^5	/	1.2×10^5	/
	0.5 h	1	1.0×10^5	9.09	7.2×10^4	28.00
		2	8.3×10^4	13.54	6.8×10^4	20.55
		3	9.8×10^4	10.91	7.7×10^4	27.98
	Average					**25.51**
	1 h	1	8.7×10^4	20.91	5.4×10^4	37.93
		2	7.2×10^4	25.00	5.2×10^4	29.97
		3	8.6×10^4	21.82	5.9×10^4	37.11
	Average					**35.00**
	1.5 h	1	7.8×10^4	29.09	4.4×10^4	43.59
		2	6.3×10^4	34.38	4.4×10^4	36.89
		3	7.4×10^4	32.73	4.3×10^4	46.73
	Average					**42.40**
	2 h	1	6.4×10^4	41.82	3.2×10^4	50.00
		2	5.3×10^4	44.79	2.8×10^4	48.77
		3	6.4×10^4	41.82	3.4×10^4	51.30
	Average					**50.02**

Note：
1.Method description: Turned on the sample and acted for 0.5h/1h/1.5h/2h, then used six mesh impact type air microorganism sampler JWL-6 to sampling with air volume of 28.3 liters per minute; The volume of test chamber was 10m^3.
2.The natural decay of the microorganisms in the air has been eliminated。

——End of Report ——