

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 **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



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Approved by: Legend Xue
 Legend Xue
 SGS IBR Laboratory Manager

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

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SGS Report Number: SHFT251200069571

Performed for: Multi Home Builder Sdn. Bhd.

Test Date: 2025-12-23~2026-01-16

 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: 10m³

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

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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: 10m³

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:

- 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 10m³.
- The natural decay of the microorganisms in the air has been eliminated.

—End of Report—

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