

Test Report

GZF20-017834-05

Date: 17 Sep 2020

Sample Description:

Specimen No.	SGS Sample ID	Description
1	GZF20-017834.001	Equipment

Test Result(s):

Bactericidal performance*

Test Method: GB 21551.3-2010 Appendix A

The test microorganism	Action time	Serial Number	The amount of bacteria in the air (cfu/m ³)	Sterilization rate (%)	
<i>Staphylococcus albus</i> ATCC 8032	0h(CK)	1	1.2×10 ⁵	-	
		2	1.1×10 ⁵	-	
		3	1.1×10 ⁵	-	
	1h	1	35	99.95	
		2	28	99.96	
		3	35	99.95	
	Average				99.95

Remark:

1. Method description: Turned on the maximum wind speed of the machine and kept it run for 1 hour in a 30m³ chamber, and then used six mesh impact type air microorganism sampler JWL-6 to sampling with air volume of 28.3 liters per minute.
2. The natural decay of the microorganisms in the air has been eliminated.
- 3.* The test was carried out by external laboratory assessed as competent.



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Sample Description:

Specimen No.	SGS Sample ID	Description
1	GZF20-017834.001	Equipment

Test Result(s):

Above 0.3µm Clean Air Delivery Rate*

Test Method: GB/T 18801-2015 Appendix B

Test group	Sampling time	Test Result		CADR (m³/h)
		Particle concentration (particle no/L)	Attenuation constant (min ⁻¹)	
Natural attenuation constant (k _n)	0 min	9193294	0.00414	719.8
	2 min	9092920		
	4 min	9013891		
	6 min	8982067		
	8 min	8908422		
	10 min	8797281		
	12 min	8778436		
	14 min	8708252		
	16 min	8599610		
	18 min	8500295		
Total attenuation constant (k _e)	0 min	6029010	0.40404	719.8
	2 min	2667015		
	4 min	1139112		
	6 min	501462		
	8 min	220662		
	10 min	97461		
	12 min	41769		
	14 min	17550		
	16 min	8073		
	18 min	4446		
	20 min	1989		



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Test Report

GZF20-017834-06

Date: 17 Sep 2020

Sample Description:

Specimen No.	SGS Sample ID	Description
1	GZF20-017834.001	Equipment

Test Result(s):

Identification test of air virus elimination effect*

Test Method: Refer to GB 21551.3-2010 Appendix A

Virus and host cell	Action Time	Serial Number	Air virus content (TCID ₅₀ /m ³)	Removal rate (%)
Influenza A virus H3N2 Host cell: MDCK	0 (CK)	1	2.44×10 ⁶	-
		2	4.06×10 ⁶	-
		3	3.08×10 ⁶	-
	2h	1	< 97.3	> 99.99
		2	< 97.3	> 99.99
		3	< 97.3	> 99.99

Remark:

1. The experiment was performed in a 30m³ test cabin.
2. The natural decay of the microorganisms in the air has been eliminated.
- 3.* The test was carried out by external laboratory assessed as competent.



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