



广微测
Gmicro Testing



201819000883



中国认可
国际互认
检测
TESTING
CNAS L1747

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS

Report №.

2019SP0928R01E

Name of Sample

Edda Air Plasma Ions

Applicant

Liden Environmental Engineering Co., Ltd.

Test Type

Entrustment Test



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Report No.: 2019SP0928R01E Verification Code: 63549701

Name of Sample	Edda Air Plasma Ions	Test Type	Entrustment Test
Applicant	Liden Environmental Engineering Co., Ltd.	Address	8/f.Blk C,Technology Building, Technology Park,BaoAn, ShenZhen,PRC.
Sample Source	Submitted for Testing by the Applicant	Sample Quantity	One
Spec and Lot No of Sample	190*190*480 PS-501T	State and Characteristic	Machine
Sample Received Date	2019-02-27	Test Completion Date	2019-03-08
Test Standard and Method	Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.3 etc.		
Item Tested	Disinfection efficiency for air(laboratory test) etc.		
Test Conclusion	The test data of the sample(s) is attached to the page(s) of this report. Issue Date: 2019-03-25 (Official Seal)		
Remarks	Manufacturer: Liden Environmental Engineering Co., Ltd. (Provided by the applicant) 检验检测专用章		

Editor: Chen Jingxun

Verifier: Liang Daqing

Approver: Li Liangqiu



GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report No.: 2019SP0928R01E

1、Disinfection efficiency for air(laboratory test)

1) Type of test germ: *Staphylococcus albus* 8032

2) Test Method: Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.3

3) Test results:

Test Time	Test groups	Control group		Test Group		Sterilizing Rate (%)	Average (%)
		Number of bacterial colonies in initial space air (cfu/m ³)	Number of bacteria in the air after sterilization (cfu/m ³)	Number of bacterial colonies in initial space air (cfu/m ³)	Number of bacteria in the air after sterilization (cfu/m ³)		
2h	1	3.0×10^6	8.0×10^5	3.0×10^6	$< 9.1 \times 10^2$	>99.88	>99.87
	2	3.2×10^6	7.9×10^5	2.8×10^6	$< 9.1 \times 10^2$	>99.87	
	3	3.4×10^6	8.1×10^5	2.7×10^6	$< 9.1 \times 10^2$	>99.87	

Test space: 1m³ experiment box

Environment relatively humidity: 62%

Environment temperature: 24℃

Note: The result of bactericidal rate test has eliminated the effect of microbial natural decay in air.

2、Disinfection efficiency for air(field test)

1) Type of test germ: Natural bacteria in the air

2) Test Method: Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.3

3) Test results:

Test Time	Test groups	Amount of Airborne Germs (cfu/m ³)		Extinction Rate (%)	Average (%)
		After Sterilization	Before Sterilization		
24h	1	$< 9.1 \times 10^2$	9.1×10^3	>90.00	>91.58
	2	$< 9.1 \times 10^2$	1.1×10^4	>91.73	
	3	$< 9.1 \times 10^2$	1.3×10^4	>93.00	

Test space: 30m³ of the room

Environment relatively humidity: 62%

Environment temperature: 24℃

Note: The result of bactericidal rate test has eliminated the effect of microbial natural decay in air.

(to continue)



GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report No.: 2019SP0928R01E

3、Sterilization and disinfection equipment disinfection efficacy test: Ozone Disinfection Cabinet

1) Test Method: Technical Standard for Disinfection (Ministry of Health, Edition 2002), section 2-2.1.5.7

2) Test results:

Test germ	Test Time	Test space	Test group	Average cfu of testing groups (cfu/piece)	Average cfu of positive controls (cfu/piece)	Sterilization rate (%)	Sterilization logarithm (KL)
<i>Staphylococcus aureus</i> (ATCC 6538)	2h	1m ³ Test box	1	7.0×10^4	7.5×10^5	90.91	1.03
			2	7.5×10^4	7.5×10^5	90.26	1.00
			3	7.5×10^4	8.0×10^5	90.26	1.00
			Average		7.7×10^5	90.48	1.01
<i>Escherichia coli</i> (8099)	24h	1m ³ Test box	1	<5	1.1×10^6	>99.99	>5.32
			2	<5	1.1×10^6	>99.99	>5.32
			3	<5	9.5×10^5	>99.99	>5.32
			Average		1.1×10^6	>99.99	>5.32
<i>Aspergillus niger</i> (ATCC 16404)	24h	1m ³ Test box	1	45	8.5×10^5	99.99	4.30
			2	60	9.0×10^5	99.99	4.17
			3	55	9.5×10^5	99.99	4.21
			Average		9.0×10^5	99.99	4.23

Sample photo:



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Notice Items

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