中国认可
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TESTING
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推荐实验室

广州市微生物研究所有限公司

GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO.,LTD.

检 测 报 告

TEST REPORT

Report Number	WJ20204158
Name of Sample	Bio Based Industrial Coatings
Applicant	Allcera B. V

GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO.,LTD.

TEST REPORT

Date Received: Sept.24, 2020
Date Analyzed: Oct.13, 2020

Name of Sample	Bio Based Industrial Coatings	Source of Sample	Delivery
Applicant	Allcera B. V	Client Number	——
Manufacturer	Allcera B. V	Brand	——
Type and Specification	750ml	Quantity of Sample	1 set
Date of Production	——	State of Sample	Liquid
Batch Number	——	Packing of Sample	——
Standard and Methods	GB/T 30706—2014 Measurment method and evaluating of the antibacterial characteristics of photocatalysis materials under visible light irridation		
Items of Analysis	Antibacterial Rate ((*Escherichia coli* AS1.90, *Staphylococcus aureus* AS1.89, *Candida albicans* ATCC 10231, *Klebsiella pneumoniae* ATCC 4352, *Pseudomonas aeruginosa* ATCC 15442)		
Remarks	Light wavelength: 500 nm; Colour temperature: 500K; Light intensity: 1400lx; Illumination time: 24 h. This test report is the English additional Edition of WJ20204158 issued on Oct.21th,2020.		

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TEST REPORT

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Test Results

Number of Sample	Test Condition	Test Bacteria				
		Escherichia coli	*Staphylococcus aureus*	*Candida albicans*	*Klebsiella pneumoniae*	*Pseudomonas aeruginosa*
WJ20204158-1	Bacteria Count of 0h Control Sample (cfu)	2.0×10^5	2.0×10^5	2.6×10^5	2.1×10^5	2.1×10^5
	Bacteria Count of Treatment after Control Sample in Bright Condition(cfu)	1.1×10^7	1.9×10^6	1.3×10^6	6.4×10^6	1.0×10^7
	Bacteria Count of Treatment after Control Sample in Dark Condition(cfu)	1.6×10^7	2.0×10^6	3.5×10^6	7.2×10^6	3.0×10^7
	Bacteria Count of Treatment after Test Sample in Bright Condition(cfu)	3.1×10^5	1.9×10^5	7.0×10^4	3.9×10^5	2.0×10^4
	Bacteria Count of Treatment after Test Sample in Dark Condition(cfu)	1.7×10^5	2.1×10^5	6.8×10^4	7.6×10^5	9.0×10^5
	Total Antibacterial Rate $R_{总}$(%)	97.2	90.0	94.6	93.9	99.8
	Photocatalytic antibacterial contribution Rate $R_{光}$ (%)	0.0	9.5	0.0	48.7	97.8

Note: According to the test method of this standard, the evaluation of total antibacterial rate ($R_{总}$) is: antibacterial rate≥90%, products have antibacterial effect; antibacterial rate≥99%, products have strong antibacterial effect.

*****End of report*****

Editor 钟伟玲 Checker 黄志敏 Issuer 杨四平 Date Reported 2020.10.23

州市微生物研究所有限公司 检验检测专用章

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