



广微测
Gmicro Testing

广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测报告

REPORT FOR ANALYSIS

报告编号

Report №.

2020FM15307R03D

样品名称

Name of Sample

光催化陶瓷

photocatalytic ceramic

委托单位

Applicant

IRIS CERAMICA GROUP

检测类型

Test Type

委托检测

Entrustment Test

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分 析 检 测 报 告

REPORT FOR ANALYSIS



报告编号 (Report No.) 2020FM15307R03D 校验码 (Verification Code): 59462170

样品名称 Name of Sample	光催化陶瓷 photocatalytic ceramic	检测类型 Test Type	委托检测 Entrustment Test
委托单位 Applicant	IRIS CERAMICA GROUP	地 址 Address	Sede operativa: Via Ghiarola Nuova 119
样品来源 Sample Source	委托方送检 Submitted for Testing by the Applicant	样品数量 Sample Quantity	30 片 30 pcs
样品规格和批号 Spec and Lot No of Sample	—	样品状态和特性 State and Characteristic	片状 Flaky
接样日期 Sample Received Date	2020-05-26	检测完成日期 Completion Date	2020-07-06
检测依据和方法 Test Standard and Method	参照 ISO 18061-2014 Refer to ISO 18061-2014		
检测项目 Item Tested	抗病毒性能 Antiviral property		
检测结论 Test Conclusion	该样品所检项目的实测数据见本检测报告续页。 The test data of the sample(s) is attached to the page(s) of this report. 签发日期: 2020-07-08 Issue Date: 2020-07-08 机构盖章 Official Seal 检验检测专用章		
备注 Remarks	生产厂家: IRIS CERAMICA GROUP. (由委托方提供) Manufacturer: IRIS CERAMICA GROUP. (provided by the applicant)		

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广东省微生物分析检测中心

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分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2020FM15307R03D

1. 测试要求: 光照强度为 0.01mW/cm²。Test requirement: Illumination intensity was 0.01mW/cm²

2. 试验结果 Test results

实验病毒 及宿主 Virus and host cell	作用时间 Action time	试验组别 Group	病毒滴度 对数值 Logarithm of infectivity titre of virus lgTCID ₅₀ /mL	平均病毒 滴度对数值 Average titre infectivity of virus lgTCID ₅₀ /mL	平均病毒 滴度对数值 Average titre infectivity of virus lgTCID ₅₀ /PCS	平均病毒总数 Average infectivity titre of virus TCID ₅₀ /PCS
肠道病毒 71 型 宿主名称: Vero 细胞 Human enterovirus 71 Host cell: Vero	0h	对照组 1 Control group 1	5.80	5.93	6.93	8.77×10 ⁶
		对照组 2 Control group 2	6.00			
		对照组 3 Control group 3	6.00			
	暗条件 Dark condition 8h	对照组 1 Control group 1	5.57	5.50	6.50	3.19×10 ⁵
		对照组 2 Control group 2	5.50			
		对照组 3 Control group 3	5.43			
		试验组 1 Test group 1	5.33	5.40	6.40	2.51×10 ⁶
		试验组 2 Test group 2	5.43			
		试验组 3 Test group 3	5.43			

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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2020FM15307R03D

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实验病毒 及宿主 Virus and host cell	作用时间 Action time	试验组别 Group	病毒滴度 对数值 Logarithm of infectivity titre of virus lgTCID ₅₀ /mL	平均病毒 滴度对数值 Average titre infectivity of virus lgTCID ₅₀ /mL	平均病毒 滴度对数值 Average titre infectivity of virus lgTCID ₅₀ /PCS	平均病毒总数 Average infectivity titre of virus TCID ₅₀ /PCS
肠道病毒 71 型 宿主名称: Vero 细胞 Human enterovirus 71 Host cell: Vero	光条件 Light condition 8h	对照组 1 Control group 1	4.57	4.58	5.58	3.85×10 ⁵
		对照组 2 Control group 2	4.67			
		对照组 3 Control group 3	4.50			
		试验组 1 Test group 1	<1.50	<1.50	<2.50	<3.16×10 ²
		试验组 2 Test group 2	<1.50			
		试验组 3 Test group 3	<1.50			
抗病毒活性 Antiviral activity			>3.08 (>99.92%)			
光催化材料在 UVA 照射下的抗病毒活性值 The antiviral activity of photocatalytic materials under UVA irradiation			>2.98 (>99.89%)			
非光催化剂抗病毒活性贡献值 Contribution of antiviral activity of non-photocatalyst			0.10 (21.40%)			
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