



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

2021FM09017R01D

Report №.

样品名称

安富大和二氧化硅消毒液

Name of Sample

Anfudahe si disinfectant

委托单位

广州安富环保科技有限公司/日本东京大和制药株式会社

Applicant

Guangzhou Anfu Environmental Protection  
Technology Co., Ltd /NIHON TOKYODAIWA SEIYAKU  
CO.,LTD.

检测类型

Test Type

委托检测  
Entrustment Test

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## 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 No.) 2021FM09017R01D 校验码 (Verification Code): 27306581

样品名称 Name of Sample	安富大和二氧化硅消毒液 Anfudahe si disinfectant	检测类型 Test Type	委托检测 Entrustment Test
委托单位 Applicant	广州安富环保科技有限公司/日本东京大和制药株式会社 Guangzhou Anfu Environmental Protection Technology Co., Ltd /NIHON TOKYODAIWA SEIYAKU CO.,LTD.	地址 Address	广州市荔湾区荷景南路 23 号 3D 工业园 B 座 101 Room B101 3D Printing Industry Park, No. 23 He Jing South Road, Liwan District Guangzhou
样品来源 Sample Source	委托方送检 Submitted for Testing by the Applicant	样品数量 Sample Quantity	1 瓶 One bottle
样品规格和批号 Spec and Lot No of Sample	—	样品状态和特性 State and Characteristic	液体 Liquid
接样日期 Sample Received Date	2021-04-29	检测完成日期 Completion Date	2021-05-23
检测依据和方法 Test Standard and Method	参照《消毒技术规范》2002 年版-2.1.1.10.5, 参照《消毒技术规范》2002 年版-2.1.1.10.7 Refer to Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.1.10.5, Refer to Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.1.10.7		
检测项目 Item Tested	残留消毒剂化学中和法的鉴定试验, 病毒灭活试验 The determination of chemical neutralization for residual disinfectant, Evaluation of Virucidal activity		
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: 2021-05-26 Issue Date: 2021-05-26 机构盖章 Official Seal 检验检测专用章		
备注 Remarks			

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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY  
分析检测结果

ANALYSIS AND TEST RESULT

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1.检测项目: 残留消毒剂化学中和法的鉴定试验

Test Item: The determination of chemical neutralization for residual disinfectant

1.1 检测方法: 参照《消毒技术规范》2002 年版-2.1.1.10.5

Test Method: Refer to Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.1.10.5

1.2 中和剂: 含有 3%吐温-80、0.5%硫代硫酸钠、0.5%L-组氨酸、0.5%蛋白胍、0.85%氯化钠、1.43%卵磷脂、0.1%半胱氨酸的 PBS 溶液。

Neutralizer: PBS solution containing 3% tween-80, 0.5% sodium thiosulfate, 0.5% L-histidine, 0.5% peptone, 0.85% sodium chloride, 1.43% lecithin, and 0.1% cysteine.

1.3 试验结果 Test Result:

实验病毒 及宿主 Virus and host cell	作用浓度 及时间 Action concentration and time	组别 Group	每次试验各组病毒滴度对数值 Logarithm of infectivity titre value in each test		
			(lgTCID <sub>50</sub> /mL)		
			试验一 Test 1	试验二 Test 2	试验三 Test 3
人冠状病毒 HCoV-229E (ATCC VR-740) 宿主名称: Vero 细胞 Human Coronaviruses HCoV-229E (ATCC VR-740) Host cell: Vero	原液 Original 15min	第 1 组 消毒剂+病毒悬液 The 1st groups: Disinfectant + Virus suspension	3.50	3.41	3.33
		第 2 组 (消毒剂+病毒悬液)+中和剂 The 2nd groups (Disinfectant + Virus suspension)+ Neutralizer	4.34	4.39	4.39
		第 3 组 中和剂+病毒悬液 The 3rd groups Neutralizer+ Virus suspension	5.80	5.80	5.90
		第 4 组 (消毒剂+中和剂)+ 病毒悬液 The 4th groups (Disinfectant+ Neutralizer)+ Virus suspension	5.80	5.67	5.67
		第 5 组 病毒悬液 The 5th groups Virus suspension	5.90	5.90	6.00
		第 6 组 未接种病毒的细胞 The 6th groups the negative control cells	生长良好 Grew well		
实验结论: 试验结果表明所测中和剂有效。 Conclusion: All of test results show that the neutralizer was effective.					

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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.): 2021FM09017R01D

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实验病毒 及宿主 Virus and host cell	作用浓度 及时间 Action concentration and time	组别 Group	每次试验各组病毒滴度对数值 Logarithm of infectivity titre value in each test (lgTCID <sub>50</sub> /mL)		
			试验一 Test 1	试验二 Test 2	试验三 Test 3
			甲型流感病毒 H1N1: A/PR/8/34 (ATCC VR -1469) 宿主名称: MDCK 细胞 Influenza A virus H1N1: A/PR/8/34 (ATCC VR -1469) Host cell: MDCK	原液 Original 15min	第 1 组 消毒剂+病毒悬液 The 1st groups: Disinfectant + Virus suspension
		第 2 组 (消毒剂+病毒悬液)+中和剂 The 2nd groups (Disinfectant + Virus suspension)+ Neutralizer	4.61	4.50	4.50
		第 3 组 中和剂+病毒悬液 The 3rd groups Neutralizer+ Virus suspension	6.00	6.00	6.00
		第 4 组 (消毒剂+中和剂)+ 病毒悬液 The 4th groups (Disinfectant+ Neutralizer)+ Virus suspension	5.80	5.80	5.67
		第 5 组 病毒悬液 The 5th groups Virus suspension	5.90	5.90	6.00
		第 6 组 未接种病毒的细胞 The 6th groups the negative control cells	生长良好 Grew well		
实验结论: 试验结果表明所测中和剂有效。 Conclusion: All of test results show that the neutralizer was effective.					

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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.): 2021FM09017R01D

2.检测项目: 病毒灭活试验

Test Item: Evaluation of Virucidal activity

2.1 检测方法: 参照《消毒技术规范》2002 年版-2.1.1.10.7

Test Method: Refer to Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.1.10.7

2.2 试验结果 Test Result:

实验病毒及宿主 Virus and host cell	作用浓度及时间 Action concentration and time	组别 Group	病毒滴度对数值 Logarithm of infectivity titre value lgTCID <sub>50</sub> /mL	平均病毒滴度对数值 Average logarithm of infectivity titre value lgTCID <sub>50</sub> /mL	平均病毒总数 Average infectivity titre value TCID <sub>50</sub> /mL	灭活对数值 Logarithm reduction value (KL)	病毒灭活率 Virus inactivation ratio (%)
人冠状病毒 HCoV-229E (ATCC VR-740) 宿主名称: Vero 细胞 Human Coronaviruses HCoV-229E (ATCC VR-740) Host cell: Vero	原液 Original 15min	对照组 1 Control group1	5.80	5.78	6.08 × 10 <sup>5</sup>	1.39	95.89
		对照组 2 Control group2	5.75				
		对照组 3 Control group3	5.80				
		试验组 1 Test group1	4.34	4.39	2.50 × 10 <sup>4</sup>		
		试验组 2 Test group2	4.34				
		试验组 3 Test group3	4.50				

阴性对照组细胞生长良好, 试验结果符合评价规定的全部条件。

Cells in the negative control group grew well ,the results met all the requirements of the evaluation criteria.

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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY  
分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2021FM09017R01D

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实验病毒及宿主 Virus and host cell	作用浓度及时间 Action concentration and time	组别 Group	病毒滴度对数值 Logarithm of infectivity titre value lgTCID <sub>50</sub> /mL	平均病毒滴度对数值 Average logarithm of infectivity titre value lgTCID <sub>50</sub> /mL	平均病毒总数 Average infectivity titre value TCID <sub>50</sub> /mL	灭活对数值 Logarithm reduction value (KL)	病毒灭活率 Virus inactivation ratio (%)
甲型流感病毒 H1N1: A/PR/8/34 (ATCC VR-1469) 宿主名称: MDCK 细胞 Influenza A virus H1N1: A/PR/8/34 (ATCC VR-1469) Host cell: MDCK	原液 Original 15min	对照组 1 Control group1	6.00	5.97	9.31 ×10 <sup>5</sup>	1.40	96.03
		对照组 2 Control group2	6.00				
		对照组 3 Control group3	5.90				
		试验组 1 Test group1	4.61	4.57	3.70 ×10 <sup>4</sup>		
		试验组 2 Test group2	4.58				
		试验组 3 Test group3	4.50				

阴性对照组细胞生长良好, 试验结果符合评价规定的全部条件。

Cells in the negative control group grew well ,the results met all the requirements of the evaluation criteria.

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## 注意事项 Notice Items

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The Test report is invalid without signature of verifier and approver.

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Any dispute of the report must be raised to the testing body within 15 days after the report is received, exceeding which the dispute will not be accepted.

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The test report without the certification mark (CMA), which involves items that have not obtained the certification, is only used for scientific research, teaching or internal quality control.