



KR Biotech Co., Ltd.  
Institute of Infectious Disease Control  
(BSL3 No. KCDC-09-3-01)  
Neungdong-ro 120, Konkuk university  
Bld#12, Rm 406, Kwangjin-gu, Seoul

## Test Report

Client	Personnel	Seoktae Cheon	Tel. No.	82-10-4236-4560
	Affiliation	PURE O2 Co.	E-mail	suktae72@hanmail.net
	Address	#F334, 45, Jojeong-daero, Hanam-si, Gyeonggi-do, Republic of Korea		
Request	Virucidal Activity Test			
Sample	PURE O2 (Chlorine Dioxide)			
Purpose of Use on the Product	Sterilization, Disinfectant			
Test Virus	COVID-19 (SARS-CoV-2)	Cell Line	Vero E6	
Test No.	KR-2007-024-PUR01-C	Test Period	2020.07.17-07.24	
Sample State	Liquid: Light green, transparent	Sample Concentration	Stock solution	
Reaction Time	30 sec, 1 min, 5 min	Titration	CPE	
Test Temperature	Room Temperature (Approx. 20°C)	Tester	Hansam Cho <i>w</i>	

## Test Result

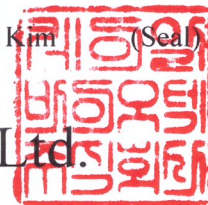
Product Name	Virus Titer TCID <sub>50</sub>	Treatment time	Virus Reduction Rate	
			(log)	(%)
PURE O2 (Chlorine Dioxide)	3.16x10 <sup>6</sup>	30 sec	4.00	99.99%
	3.16x10 <sup>6</sup>	1 min	4.00	99.99%
	3.16x10 <sup>6</sup>	5 min	4.00	99.99%

**Result:** PURE O2 (Chlorine Dioxide) disinfectant of PURE O2 Co. used in the test showed 99.99% of virucidal effect after 30 seconds of sample treatment on COVID-19 (SARS-CoV-2).

July 31, 2020

Test Manager: Young Bong Kim (Seal)

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\* This test report is a result limited to the sample and sample name provided by the client and does not guarantee the quality on the overall product.  
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