TESTING AT MICROCHEM LABORATORY

Efficacy of the OgenaShield Air & Surface Purifier by Puraclenz[A] on Surfaces

The efficacy of the system was assessed in a sealed chamber containing the PCO device that was run for 24 hours prior to the beginning of the study. *Staphylococcus aureus* and MS2 viruses were used as test organisms. The microorganisms were grown with and without 5% fetal bovine serum (to simulate a soil load). Samples were obtained after 6, 12 and 24 hours of contact time with *Staphylococcus aureus* and 2, 4 and 6 hours of contact time with MS2.

Test Microorganisms	5% Serum Added	Contact Time *(hours)*	Percentage of Reduction **(%)** *Compared to Control*	Log_{10} Reduction *Compared to Control*
Staphylococcus aureus	Yes	6	52.12	0.81
		12	91.52	1.82
		24	No further reduction	
	No	6	36.75	0.20
		12	82.04	0.75
		24	No further reduction	

Test Microorganisms	5% Serum Added	Contact Time *(hours)*	Percentage of Reduction **(%)** *Compared to Control*	Log_{10} Reduction *Compared to Control*
MS2 Bacteriophage	Yes	2	77.41	0.65
		4	53.62	0.33
		6	57.94	0.38
	No	2	71.93	0.55
		4	72.86	0.57
		6	75.17	0.61

[A] This unit uses an advanced and newly patented form of Photocatalytic Oxidation and is not related in any way to systems that produce ions by way of an electrical field, such as BiPolar Ionizers, Pin Point Ionizers or any other system that generates ions through the use of an electrical field.

OgenaSolutions
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442 Millen Road, Unit 6 | Stoney Creek, ON, Canada L8E 6H2 | Toll Free: 1-855-900-8822 | 905-664-2125 | www.ogenasolutions.com