

# ANTIMICROBIAL EFFICACY\* RESULTS

Challenge Microorganism	Applied O <sub>3</sub> Dose	O <sub>3</sub> Dose at Nozzle	Exposure Time	Log / Percent Reduction
Salmonella choleraesuis (ATCC 10708)	3.0 ppm	1.85-2.25 ppm	3 minutes	6 log / 99.9999%
Staphylococcus aureus (ATCC 6538)	3.0 ppm	1.85-2.25 ppm	10 minutes	6 log / 99.9999%
Pseudomonas aeruginosa (ATCC 15442)	3.0 ppm	1.85-2.25 ppm	5 minutes	6 log / 99.9999%
Trichophyton mentagrophytes (ATCC 9533)	3.0 ppm	1.85-2.25 ppm	30 seconds	6 log / 99.9999%
Listeria monocytogenes (ATCC 7644)	3.0 ppm	1.85-2.25 ppm	3 minutes	4 log / 99.99%
Campylobacter jejuni (ATCC 33250)	3.0 ppm	1.85-2.25 ppm	3 minutes	4 log / 99.99%
Aspergillus flavus (ATCC 9296)	3.0 ppm	1.85-2.25 ppm	5 minutes	4 log / 99.99%
Brettanomyces bruxellensis (ATCC 10560)	3.0 ppm	1.85-2.25 ppm	3 minutes	4 log / 99.99%
Escherichia coli* (ATCC 11229)	3.0 ppm	2.1 ppm	30 seconds	5 log / 99.999%

\* AOAC Official Method 961.02, Germicidal Spray Products as Disinfectants.  
AOAC Official Method 960.09, Germicidal and Detergent Sanitizing Action of Disinfectants.

**AIR LIQUIDE**

**NSF REGISTERED**

