

# Aerosol Research and Engineering Laboratories Inc.

## Certificate of Analysis

This certificate of analysis is for testing completed using the **Tadiran Air Care O<sub>2</sub>**. The testing certifies that the Tadiran Air Care Device shows high efficacy at reduction of aerosolized **MS2 Bacteriophage** in a bioaerosol test chamber.

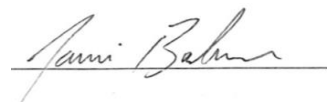
### Testing Results

#### Tadiran Air Care O<sub>2</sub> MS2 Trial Summary Data

Bioaerosol Type	Species ( description)	Trial Name	Reduction Type	Trial Time (minutes)				
				30	60	90	120	150
Virus	MS2 (RNA E. coli phage)	T1	Net Log Reduction	-1.79	-3.00	-3.84	-4.67	-4.96
			Net % Reduction	98.3931%	99.9010%	99.9856%	99.9979%	99.9989%
Virus	MS2 (RNA E. coli phage)	T2	Net Log Reduction	-2.30	-3.41	-3.79	-4.68	-4.95
			Net % Reduction	99.4947%	99.9610%	99.9839%	99.9979%	99.9989%
Virus	MS2 (RNA E. coli phage)	T3	Net Log Reduction	-2.10	-2.88	-3.54	-4.07	-4.85
			Net % Reduction	99.2091%	99.8690%	99.9713%	99.9916%	99.9986%
All Trial Averages			Net Log Reduction	-2.06 +/- 0.25	-3.1 +/- 0.28	-3.73 +/- 0.16	-4.48 +/- 0.35	-4.92 +/- 0.06
			Net % Reduction	99.0323% +/- 0.5716%	99.9103% +/- 0.0467%	99.9803% +/- 0.0078%	99.9958% +/- 0.0037%	99.9988% +/- 0.0002%

### Conclusion

The Tadiran Air Care O<sub>2</sub> demonstrated efficacy at reducing MS2 Bacteriophage in the air.



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Date

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