



PARTICLE ANALYSIS REPORT

Office of the Chief Medical Examiner, NYC
Hirsch Center

Sampling Source: Cooling Tower Basin Water

Electro Cell System: **XCell-4000 Particle Precipitator**



98.9%
particle
reduction
in 6 weeks

TEST METHOD: All tests completed by independent third-party laboratory. Samples analyzed by electro-optical particle analyzer employing the light scattering principle of operation with filtered water and particle data corrected. Stirring was continuous.

BASELINE SAMPLE - Prior to ElectroCell Start-up - 27-MAR-2019	AFTER 6 WEEKS with ElectroCell System - 14-MAY-2019
PARTICLE COUNTS PER 100mL TEST PORTION	PARTICLE COUNTS PER 100mL TEST PORTION

<table> <tr><td>1 - 3 micron:</td><td style="text-align: right;">10,313,440</td></tr> <tr><td>3 - 5 micron:</td><td style="text-align: right;">2,446,800</td></tr> <tr><td>5 - 10 micron:</td><td style="text-align: right;">1,666,720</td></tr> <tr><td>10 - 15 micron:</td><td style="text-align: right;">329,760</td></tr> <tr><td>15 - 25 micron:</td><td style="text-align: right;">215,680</td></tr> <tr><td>Over 25 micron:</td><td style="text-align: right;"><u>88,080</u></td></tr> <tr><td>TOTAL / 100mL:</td><td style="text-align: right;">15,060,480</td></tr> </table>	1 - 3 micron:	10,313,440	3 - 5 micron:	2,446,800	5 - 10 micron:	1,666,720	10 - 15 micron:	329,760	15 - 25 micron:	215,680	Over 25 micron:	<u>88,080</u>	TOTAL / 100mL:	15,060,480	<table> <tr><td>1 - 3 micron:</td><td style="text-align: right;">157,681</td></tr> <tr><td>3 - 5 micron:</td><td style="text-align: right;">36,605</td></tr> <tr><td>5 - 10 micron:</td><td style="text-align: right;">30,077</td></tr> <tr><td>10 - 15 micron:</td><td style="text-align: right;">7,511</td></tr> <tr><td>15 - 25 micron:</td><td style="text-align: right;">4,153</td></tr> <tr><td>Over 25 micron:</td><td style="text-align: right;"><u>882</u></td></tr> <tr><td>TOTAL / 100mL:</td><td style="text-align: right;">236,909</td></tr> </table>	1 - 3 micron:	157,681	3 - 5 micron:	36,605	5 - 10 micron:	30,077	10 - 15 micron:	7,511	15 - 25 micron:	4,153	Over 25 micron:	<u>882</u>	TOTAL / 100mL:	236,909
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SOLIDS PER 100 LITERS OF SYSTEM VOLUME (mm ³)	SOLIDS PER 100 LITERS OF SYSTEM VOLUME (mm ³)																
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617 ppm

6 ppm

Electro Cell Systems

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