

ELECTROchem Water Systems
PARTICLE ANALYSIS REPORT

(PMT LAB PROJECT #94963)

NEW BRUNSWICK, NJ
PHARMACEUTICAL FACILITY

6500-TON COOLING TOWER BACKWASH RECLAIM

PARTICLE COUNTS PER 100mL TEST PORTION

	PRE-FILTER ELECTROchem Side-Stream Filter	FILTERED ELECTROchem Side-Stream Filter
Micron		
1 - 3	6,021,040	276,928
3 - 5	2,053,640	23,224
5 - 10	3,079,640	36,064
10 -15	1,151,720	16,040
15 -25	1,456,640	31,060
Over 25	473,600	35,092
TOTAL 100/mL	14,236,280	418,408

TEST METHOD: Samples analyzed by electro-optical particle analyzer employing the light scattering principle of operation with filtered water and particle data corrected

SOLIDS PER 100 LITERS OF SYSTEM VOLUME (mm3)

	PRE-FILTER ELECTROchem Side-Stream Filter	FILTERED ELECTROchem Side-Stream Filter
Micron		
1 - 5	179.6	3.7
5 - 10	1299.6	15.2
Over 10	329,153.1	23,760.5
TOTAL/100 Liters	330,632.3 3306 ppm	23,779.4 238 ppm

TEST METHOD: Samples analyzed by electro-optical particle analyzer employing the light scattering principle of operation with filtered water and particle data corrected

NOTE:

Electrostatic filters do an exceptional job of removing suspended solids in open and closed systems. We recommend that cooling tower basins be thoroughly cleaned every spring and fall. Particles not in suspension will ultimately end up as sludge in cooling tower basin.