

# TEST REPORT

(Electronic version)

No:200033998

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## BACTERIAL FILTRATION EFFICIENCY

(EN 14683:2019+AC:2019 ANNEX B, TEST BACTERIA: STAPHYLOCOCCUS AUREUS ATCC 6538,

TEST AREA:40cm<sup>2</sup> , FLOW RATE:28.3L/min, MEAN PARTICLE SIZE:3.0 μm,

THE AVERAGE PLATE COUNT RESULTS OF THE POSITIVE CONTROLS: 1.9×10<sup>3</sup> CFU

THE AVERAGE PLATE COUNT RESULTS OF THE NEGATIVE CONTROLS: <1CFU )

BFE <sub>1</sub>	99.74%
BFE <sub>2</sub>	99.68%
BFE <sub>3</sub>	99.63%
BFE <sub>4</sub>	99.63%
BFE <sub>5</sub>	99.58%

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## PARTICULATE FILTER PENETRATION

TEST METHOD: NIOSH Procedure No. RCT-APR-STP-0059

TESTING PARTICLE: The NaCl particle size distribution of a count median diameter of 0.26  $\mu$ m

TEST EQUIPMENT: TSI Model 8130 Automated Filter Tester

PRETREATMENT CONDITION: (38 $\pm$ 2.5) $^{\circ}$ C, (85 $\pm$ 5)%, 25h TESTING CONDITION: 23.0 $^{\circ}$ C, 36.1%

TYPE OF THREE INITIAL TEST SAMPLES RESULTS: Type 2

Sample Number	Flow Rate (L/min)	Filtration Efficiency (%)
1	85	99.978
2	85	99.441
3	85	97.78
4	85	98.10
5	85	97.69
6	85	97.82
7	85	99.140
8	85	99.176
9	85	98.35
10	85	98.41
11	85	99.521
12	85	99.174
13	85	97.81
14	85	98.47
15	85	98.52
16	85	98.78
17	85	98.99
18	85	97.90
19	85	99.188
20	85	99.360

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