



# EN-1822-5:2009 High Efficiency Air Filters

## Test Report

Efficiency / MPPS / Resistance

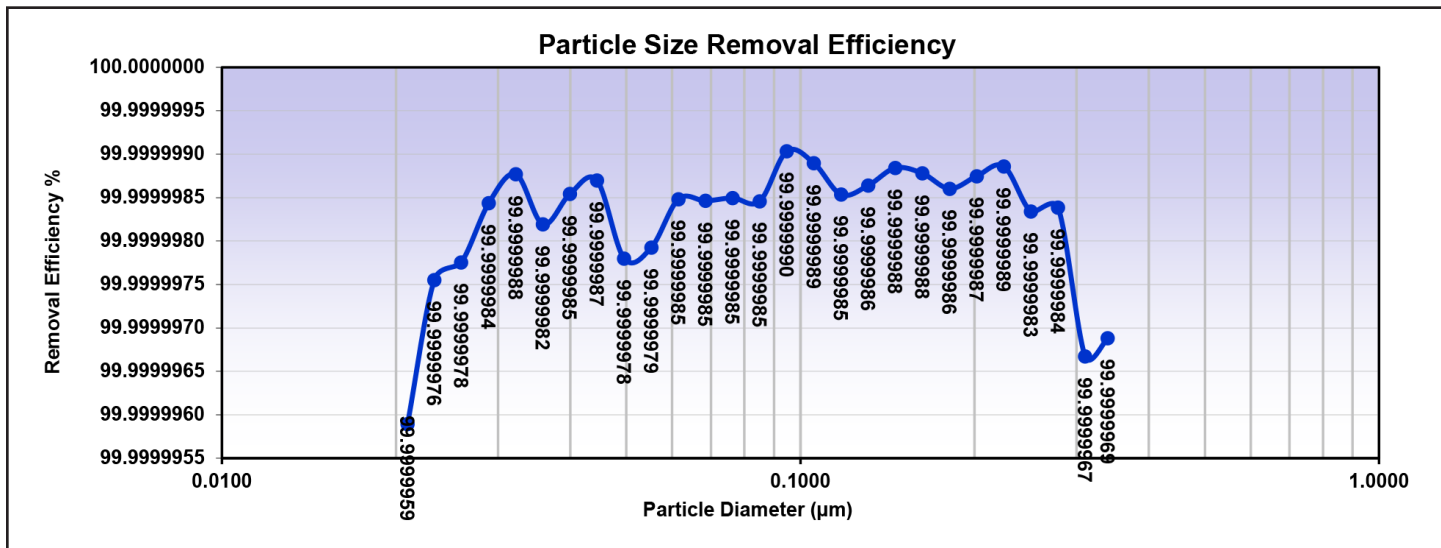
### Test Conditions

Test Air Flow Rate (LPM): **400**  
 Challenge Aerosol: **Aerosolized KCl**  
 Particle Measurement Equipment: **TSI 3080 Classifier / TSI 3772 CNC Counter**  
 Test Air Temperature (°F): **74.8**  
 Relative Humidity (%): **47.8**  
 Barometric Pressure (Inches Hg): **29.58**

### Test Results

Initial / Final Resistance ("WG): **0.74 / 0.75**  
 MPPS Determination (µm): **0.0209**  
 Efficiency at MPPS (%): **99.99999589**  
**Projected Rating (Min.Integral for E10=85%): U17**

Particle Size Range (nm): 20.93 - 339.85





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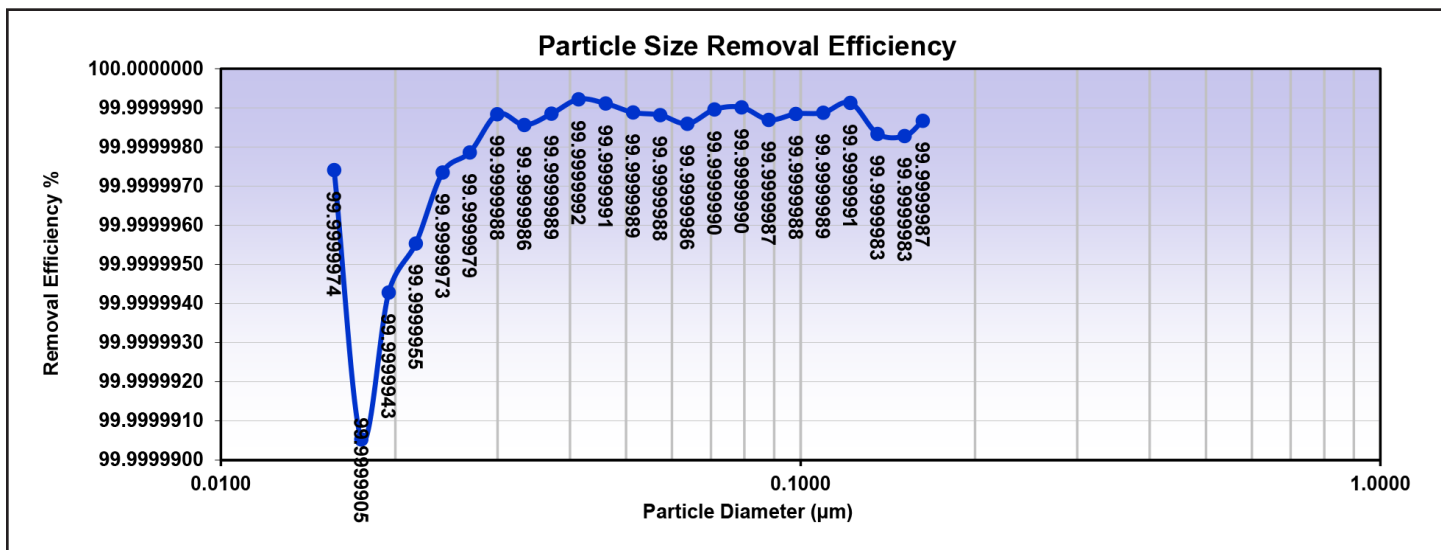
### Test Conditions

Test Air Flow Rate (LPM): **400**  
 Challenge Aerosol: **Aerosolized KCl**  
 Particle Measurement Equipment: **TSI 3080 Classifier / TSI 3772 CNC Counter**  
 Test Air Temperature (°F): **76.1**  
 Relative Humidity (%): **49.8**  
 Barometric Pressure (Inches Hg): **29.51**

### Test Results

Initial / Final Resistance ("WG): **0.74 / 0.75**  
 MPPS Determination (µm): **0.0175**  
 Efficiency at MPPS (%): **99.99999053**  
**Projected Rating (Min.Integral for E10=85%): U16**

Particle Size Range (nm): 10.18 - 162.53





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## Test Report Efficiency / MPPS / Resistance

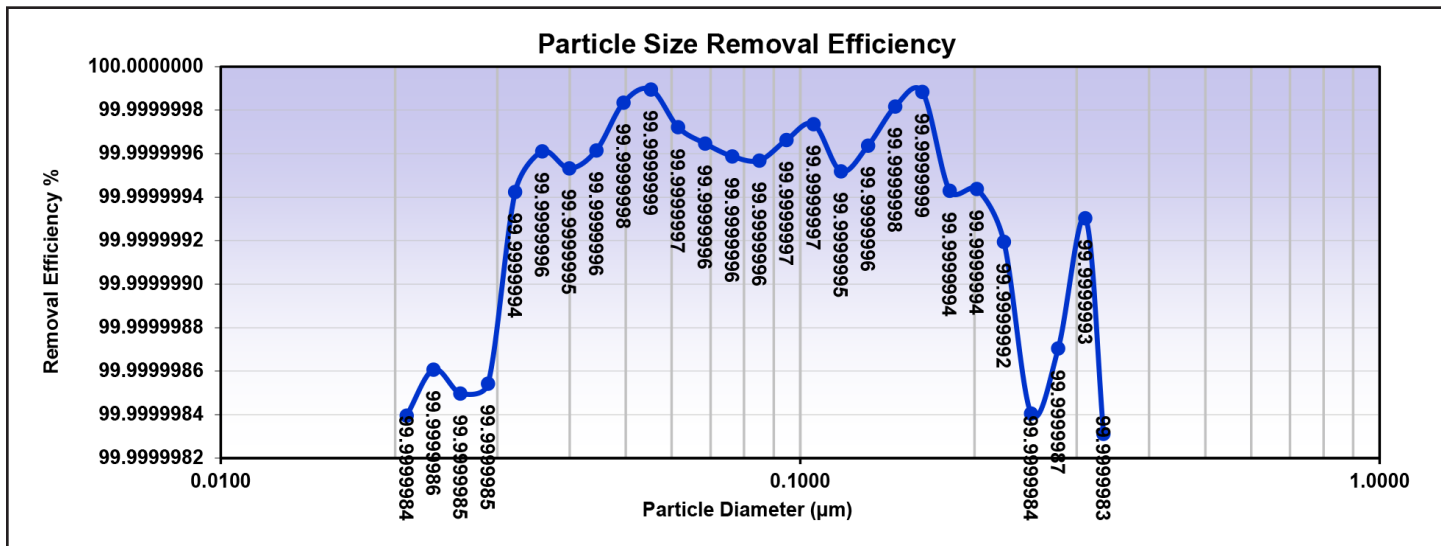
### Test Conditions

Test Air Flow Rate (LPM): **400**  
 Challenge Aerosol: **Aerosolized KCl**  
 Particle Measurement Equipment: **TSI 3080 Classifier / TSI 3772 CNC Counter**  
 Test Air Temperature (°F): **75.2**  
 Relative Humidity (%): **46.4**  
 Barometric Pressure (Inches Hg): **29.54**

### Test Results

Initial / Final Resistance ("WG): **0.71 / 0.73**  
 MPPS Determination (µm): **0.0209**  
 Efficiency at MPPS (%): **99.99999840**  
**Projected Rating (Min.Integral for E10=85%): U17**

Particle Size Range (nm): 20.93 - 333.79





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## Test Report Efficiency / MPPS / Resistance

### Test Conditions

Test Air Flow Rate (LPM): **400**  
 Challenge Aerosol: **Aerosolized KCl**  
 Particle Measurement Equipment: **TSI 3080 Classifier / TSI 3772 CNC Counter**  
 Test Air Temperature (°F): **73.7**  
 Relative Humidity (%): **50.4**  
 Barometric Pressure (Inches Hg): **29.61**

### Test Results

Initial / Final Resistance ("WG): **0.71 / 0.73**  
 MPPS Determination (µm): **0.0157**  
 Efficiency at MPPS (%): **99.99999479**  
**Projected Rating (Min.Integral for E10=85%): U17**

Particle Size Range (nm): 10.18 - 162.53

