



Modular Cleanrooms



Modular Cleanroom Certification Report

Customer Name : **Ximatic Data Engineering**
 Address : 12835 E Arapahoe Rd. Suite 130
 City/State/Zip : Centennial, Co. 80112
 Date of Certification : 11/18/09

Test Equipment:

Model: Met One A2408	Calibration	Due
Particle counter:	1-09	1-10
Velocity Meter-Shortridge Instruments	1-09	1-10

Procedure:

Perform a full face scan on each HEPA filter to test for leaks in the filter media, filter frame, and housing seal. Perform test using a laser based particle counter with a threshold sensitivity of 0.3 microns at 1 CFM. Airborne particle counts tests will be taken at the center location of each HEPA. Sample time for each location is 1.0 minute with a total sample volume of 1.0 cubic foot.

Results

1. **Leak Test:** This test revealed no significant leaks in any of the filters frames or seals.
2. **Air Borne Particle Count Test:** (numbers represent total particles per cubic foot @ 0.5 Microns and larger.)

Flow Bench

Count -----5	Readings Taken
High -----2	Particles per Cubic Foot
Low -----0	Particles per Cubic Foot
Average ----- .20	Particles per Cubic Foot

3. **Velocity Test:** (numbers represent velocity reading at each location in feet per minute.)

Bench 6320 SEM

Count -----2	Readings Taken
High -----115	Feet per Minute
Low -----115	Feet per Minute
Average-----115	Feet per Minute

Conclusions and Recommendations:

1. Overall these specific benches are operating satisfactorily and **all pass for Class 100 environment**, as of the time and date tested using the guidelines required in Fed. Standard 209E. In the at rest mode.

Performed By: Rocky Mountain Air, Inc. 3740 Paris St., Unit E Denver, Co 80239

Project Manager: Andy Cisneros

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