

# CLEANROOM TESTING REPORT

PREPARED FOR:

**Clean Sciences Inc. Fremont, CA. Sept. 29, 2010**  
**ISO 14644 Class 6**  
**(Fed Std. 209 Class 1000)**

PREPARED BY:

**MICRO TEST SERVICE**  
**SAN JOSE, CA**  
**(408) 972-5614**

INTRODUCTION

The purpose of this report is to present data recorded by **Micro Test Service** during testing of the cleanroom located at 301 Whitney Place, Fremont, CA. This testing consisted of work height particle counts, HEPA air velocity and Differential Pressure. All testing is performed as specified by **ISO 14644-1**. The testing was performed in the "At Rest" condition.

I. WORK HEIGHT PARTICLE COUNTS

The instrument used for this test was a **Climet Model 200 laser based particle counter**. This instrument has a sensitivity to 0.2 micron and calibration meets or exceeds all published specifications using standards and instruments whose accuracy is traceable to the **National Institute of Standards and Technology (NIST)**. The isokinetic probe of the particle counter was attached to a tripod and placed in a vertical position and pointed into the direction of the airflow. The tripod was adjusted so that the tip of the tripod was held **34 inches above the finished floor**. In the case where a piece of equipment or workstation was present a smaller tripod was used so that the height of the probe was 8 inches above the surface. **3 x 1 cubic ft. samples of air was taken at each of the locations.**

CONCLUSION:

All areas measured below class limits specified for this room. ( See following room grid for count locations quantities.)

**Workheight particle count concentrations:**

**AIRBORNE PARTICLE CONCENTRATION:**

LOCATION #	AIRBORNE PARTICLE CONCENTRATION:				
	0.50 μm	5.00 μm			
1	16.00	2.00	<p>NOTES:</p> <p>1. ISO 14644-1 classification number6 ( Fed Std 209 class 1000)</p> <p>2. Occupancy State: At Rest</p> <p>3. Considered particle size: 0.50 μm</p> <p>4. Minimum number of sample locations required by ISO 14644- Nine</p> <p>5. Each sample represents particles per cubic foot.</p> <p><b>PASSED</b></p> <p><b>Clean Sciences Inc.</b> <b>9-29-10</b></p>		
	20.00	0.00			
2	67.00	6.00			
	44.00	5.00			
3	25.00	0.00			
	31.00	0.00			
4	24.00	0.00			
	14.00	2.00			
5	32.00	3.00			
	11.00	0.00			
6	7.00	0.00			
	40.00	0.00			
7	64.00	7.00			
	26.00	0.00			
8	69.00	0.00			
	6.00	0.00			
9	7.00	0.00			
	14.00	1.00			
10	34.00	0.00			
	23.00	1.00			
11	396.00	1.00			
	223.00	3.00			
12	285.00	1.00			
	31.00	0.00			
13	32.00	0.00			
	46.00	0.00			
14	36.00	0.00			
	23.00	0.00			
15	5.00	0.00			
	3.00	2.00			
16	2.00	0.00			
	3.00	0.00			
17	41.00	3.00			
	32.00	0.00			
18	11.00	0.00			
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AVERAGE	48.86	1.03	AVERAGE	13656.00	537.00
	HIGHEST SAMPLE	396.00		HIGHEST SAMPLE	13656.00
LOWEST SAMPLE	2.00	0.00	LOWEST SAMPLE	13656.00	537.00
	1000.00	7.00			

0.50 μm	5.00 μm
13656.00	537.00

Gown Room

CUSTOMER:	Clean Sciences Inc.	MICRO TEST SERVICE
JOB SITE:	Fremont, CA	SAN JOSE, CA
TEST DATES:	Sept., 29, 2010	(408) 972-5614
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