

ASHRAE 110 TEST REPORT

Amgen Corporation

Hood ID: Hood 001
Manufacturer: Fisher Hamilton
Hood Model #: 4 Ft Safeguard
Airflow / Sash: VAV / Vertical

Test ID #: 1
Technician: Joe Tech
Building: Bldg 25
Room: Main Lab

Air Velocity Results Test Date: 11/6/2005 Full Open Sash Position (WxH) 38.50 X 18.00

Average Air Velocity (fpm):	116	Acceptance Limits : 100 to 165 fpm Minimum	PASS
Air Velocity Variation (%):	20	Acceptance Limits : 30 % Maximum	PASS
LowPoint Air Velocity (fpm):	104	Acceptance Limits : 70 fpm Minimum	PASS
Cross Draft Air Velocities (FPM):	<u>Horiz. Max</u> 15	<u>Vertical Max</u> 11	<u>VAV Response</u> 3 Seconds

Smoke Test Results TestDate: 11/6/2005

Small Volume: Pass - Fair Airflow Patterns	Large Volume: Pass - Fair Airflow Patterns
Backpanel: Pass - Poor Airflow Patterns	Large Volume Clearance Time: 14 Secs
Airfoil: Pass - Good Airflow Patterns	

Tracer Gas Results Test Date: 10/10/2006

Tracer Gas Containment Rating: AM .054 ppm

Sash Movement Effect Rating: SME-AM 0 ppm

Perimeter Scan Test Max Reading: 0 ppm

Tracer Gas Test Position Description	Mean	Minimum	Maximum
Left	0.054	0.049	0.062
Center	0.052	0.048	0.057
Right	0.000	0.000	0.000

