



PHARMA DEVILS

ENGINEERING DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Engineering	SOP No.:
Title: Air Velocity Measurement	Effective Date:
Supersedes: Nil	Review Date:
Issue Date:	Page No.:

1.0 OBJECTIVE:

To lay down the procedure for air velocity measurement.

2.0 SCOPE:

This SOP is applicable for the measurement of velocity across all Air Handling Units (AHU), Air preparation Unit (APU) and Laminar Airflow Unit (LAF) systems

3.0 RESPONSIBILITY:

Technician / Engineer.

Head of Department - Engineering.

4.0 PROCEDURE:

4.1 Switch 'ON' the AHU / LAF for which air velocity measurement to be done.

4.2 Let the AHU / LAF run for 10 to 15 minutes.

4.3 Put 'ON' the anemometer and allow some time for warming up of the instrument.

4.4 Remove the filter grill and keep the probe at approximately 150 mm below the face of filter and at working height wherever required and velocity recordings shall be noted.

4.5 Each filter requires minimum five test spots. Measure the air velocity at four corners and one at the center of the filter.

4.6 Measurement shall be taken till the readings gets stabilize.

4.7 Switch 'Off' the anemometer.

4.8 Place the filter grill back to its position.

Note: Check the calibration status of the anemometer before performing the test.

5.0 ANNEXURE (S):

Nil

6.0 REFERENCE (S):

SOP : Preparation, approval, distribution control, revision and destruction of Standard Operating Procedure (SOP).

7.0 ABBREVIATION (S) / DEFINITION (S) :

Nil