

STANDARD OPERATION PROCEDURE		
No. : ENGP-218	INITIAL CLEANUP PERIOD / SWEEP EFFICIENCY TEST	Date Of Issue
Version No.:01		Effective Date
Supersedes NIL		Page 1 of 2

PURPOSE:

To provide a procedure for INITIAL CLEANUP PERIOD / SWEEP EFFICIENCY TEST of AHU.

SCOPE:

Applicable to AHU.

RESPONSIBILITY:

AHU validation team member.

DEFINITION:Not Applicable

1.1 **HEALTH, SAFETY AND ENVIRONMENT :** Not Applicable.

2.1 **PROCEDURE:**

- 2.1.1 Start the AHU of area under study.
- 2.1.2 keep the AHU in running condition for at least 30 minutes after switching "ON" the AHU (Recovery Period).
- 2.1.3 Switch "OFF" the AHU and record the time.
- 2.1.4 Start taking particle count at all predetermined location.
- 2.1.5 Record the time at which area loses the desired particle count at either of the locations.
- 2.1.6 Conclude the time within which area will losses desired particle count at either of the locations by following formula.

PREPARED BY Department Head <i>Date:</i>	APPROVED BY Quality Assurance <i>Date:</i>	AUTHORISED BY Unit Head <i>Date:</i>
---	---	---

STANDARD OPERATION PROCEDURE		
No. : ENGP-218	INITIAL CLEANUP PERIOD / SWEEP EFFICIENCY TEST	Date Of Issue
Version No.:01		Effective Date
Supersedes NIL		Page 1 of 2

Time period required to lose particle count= (Time at area loses desired Particle count is failed at either of the location.) – (Time at which AHU is switched OFF)

- ५,१ Switch “ON” the AHU and record the time.
- ५,२ Continue the particle counting at all locations till the desired cleanliness class of area is achieved at all locations.
- ५,३ Record the time at which desired particle count i.e. Cleanliness of area is achieved at all locations.
- ५,४ Conclude the time within which area will regain particle count at all locations after restarting the AHU by following formula.

Room condition regain period = (Time at which the desired particle count is achieved at all locations) – (Time at which AHU is restarted)

५,५ **FREQUENCY:** Once in a two year.

६,५ **ABBREVIATIONS:**

- AHU : AIR HANDLING UNIT
- ISO : INTERNATIONAL ORGANISATION FOR STANDARDS
- RH : RELATIVE HUMIDITY
- FMEA : FAILURE MODE EFFECT ANALYSIS
- i.e. : THAT IS

७,५ **REFERENCES:**

ISO-14644-1-CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS.

PREPARED BY Department Head <i>Date:</i>	APPROVED BY Quality Assurance <i>Date:</i>	AUTHORISED BY Unit Head <i>Date:</i>
---	---	---

STANDARD OPERATION PROCEDURE		
No. : ENGP-218	INITIAL CLEANUP PERIOD / SWEEP EFFICIENCY TEST	Date Of Issue
Version No.:01		Effective Date
Supersedes NIL		Page 1 of 2

6. ANNEXTURE: Not Applicable

<p>PREPARED BY Department Head <i>Date:</i></p>	<p>APPROVED BY Quality Assurance <i>Date:</i></p>	<p>AUTHORISED BY Unit Head <i>Date:</i></p>
--	--	--