

 <p><b>BLDEA'S Shri Sanganabasava Mahaswamiji College of Pharmacy &amp; Research Centre Vijayapur 586103</b></p>	<b>DEPT: PHARMACEUTICAL CHEMISTRY</b>	<b>SOP NO.: BCP/PC/SOP/006</b>
	<b>INSTRUMENT: HOT AIR OVEN</b>	<b>PAGE NO.: 01-02</b>
	<b>MAKE: Inco PROCURED ON: 29-05-2010</b>	<b>EFFECTIVE DATE: 01/01/2022</b>
	<b>SUBJECT: SOP FOR HOT AIR OVEN</b>	<b>REVIEW PERIOD: 31/12/2022</b>

**Objective:**

The following document describes the standard operating procedure for Hot Air Oven.

**Scope:**

Hot air oven is used to dry the solids and make them moisture free in order to prevent the compound from degradation because of moisture.

**Procedure:**

1. Connect the power supply.
2. Switch “ON” the main power supply and instrument mains.
3. **For temperature setting**, press **SET POINT** key. Press ↑ to increase the temperature and ↓ to reduce the temperature.
4. The temperature sensor will maintain the set temp which is indicated by the blinking of set temp on the display screen.
5. The duration of time can also be adjusted using the time adjustment knob
6. After use, **SWITCH OFF** the power supply.

**Precaution:**

- Ensure that after drying, the sample should be removed from the oven.
- **DO NOT** exceed the temperature beyond the limit of the instrument.
- Wipe the surface, walls, top, bottom and trays of the oven with dry lint free cloth on daily basis so that there will be no dust particles in the oven.
- Wipe all the parts and outer surface of the Oven with wet lint free cloth soaked in purified water, on weekly basis and fill the weekly cleaning record.

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