



STANDARD OPERATING PROCEDURE

Department: Quality Control	SOP No.:
Title: Operation and Calibration of Hot Air Oven (LOD OVEN)	Effective Date:
Supersedes: Nil	Review Date:
Issue Date:	Page No.:

1.0 OBJECTIVE:

To lay down a procedure for operation and calibration of LOD Oven.

2.0 SCOPE:

This SOP is applicable for the operation and calibration of LOD oven in the Quality Control Department.

3.0 RESPONSIBILITY:

Officer, Executive – Quality Control.
Head - Quality Control.





4.0 PROCEDURE:


4.1 Operation:

4.1.1 Ensure that the instrument is clean and free from dust.

4.1.2 Connect the mains to mains socket and put on the mains switch.

4.1.3 The upper display shows Actual Temp and lower display shows set Temperature.

4.1.4 Press  upper display indicate SP1 set the required temperature, by pressing  to increase the temp and  to decrease the temperature and press 

4.1.5 To decrease the temp. and press  to confirm the set temperature.

4.1.6 The display will go in normal mode and it will show process value and now the heaters will start and temperature will start rising and when the set value is reached heaters will be maintained within the specified limit.

4.2 Calibration:

4.2.1 Calibration of temperature controller and temperature Mapping of the instrument shall be done by engineering department as per SOP.

4.2.2 Temperature Mapping following Temperature (in 8 Hours each temperature)

60.0 °C ± 2

105 °C ± 2

220 °C ± 3



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4.3 Precautions:

4.3.1 Do not handle Flammable material near the instrument.

5.0 ANNEXURE (S):

Nil.

6.0 REFERENCE (S):

SOP: Preparation, Approval, Distribution control, revision and destruction of Standard operating Procedure (SOP).

SOP: Calibration of temperature Gauge, Wet & Dry Hygrometer, Glass and Digital Thermometer.

7.0 ABBREVIATION (S)/DEFINITION (S):

QC – Quality Control

°C – Degree Centigrade

REVISION CARD

S.No.	REVISION No.	REVISION DATE	DETAILS OF REVISION	REASON (S) FOR REVISION	REFERENCE CHANGE CONTROL No.
1	00	----	----	New SOP	----