





INSTRUMENT STANDARD OPERATING PROCEDURE MANUAL

College of Medicine



SAFETY AND LABORATORY COOMMITTEE, C.O.M, K.F.U.

Prepared by

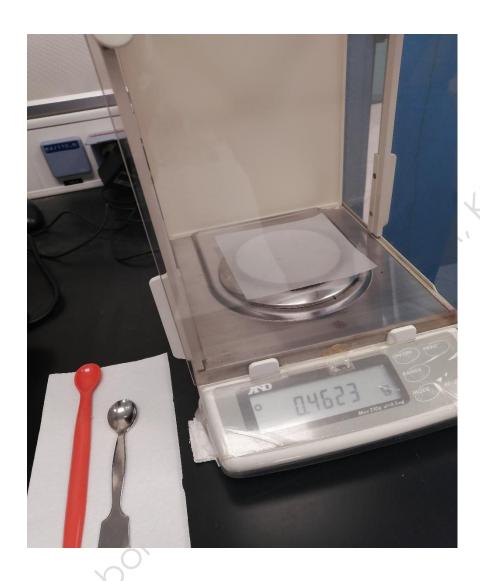
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SOP	First Draft on SOP for the operation of Analytical and Precision Balance- HR -200 A&D	23/11/2020	
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1. OBJI	ECTIVE
	The following document describes the procedure for the operation of the Analytical and Precision Balance. Offer precision weighing capacities from 60-6000 grams. Versatile features allow to weighing in percentage in proprtinate to a reference weight.
2. SCOI	PE
-	COM,
3. RESI	PONSIBILITIES
_	It is the responsibility of designated personnel in Research lab to train staff and students on this procedure and to ensure adherence to this procedure under supervision. It is the responsibility of designated personnel (staff or Student) to follow the instructions of this procedure under supervision. Routine in R & D laboratories of the pharmaceutical and biotechnical industry.
4. REFI	ERENCES
- H	IR -200 A&D. Analytical and Precision Balances operating
ir	nstructions manual.
5. DEFI	INITIONS
	□ Cover pan.
	Pan support
KOX	 □ Weighting pan Floor pan □ Max weighing capacity 200g, readability 0.1 mg, linearity _\+0.2 mg, □ Weighing pan dimension 76mm
CO.,	□ Draft Shield disk.
J	□ Leveling bubble.□ Leveling foot.
	☐ AC adapter connection.
	□ RS-232C interface
	□ 2 Anti - theft locking device attaching lug.
	☐ Control display (power on\off, print\menu key \arrow key and zero key.).

6. SAFETY	PRECAUTIONS
	Be sure that the voltage rating printed on the AC adapter is identical to the local voltage. Do not use the balance in a hazardous location Turn off the power completely by disconnecting the AC adapter from the balance. Do not contact the AC adapter with liquid. Do not open the balance housing (No user serviceable parts). Never Lift balance and transport the balance by the draft it cause damage to internal mechanisms (only from its base).
7. PROCED	URE FOR OPERATING Analytical and Precision Balance-
HR -200	A&D
7.1. Tu	rning on the instrument:
	Switch on the instrument (mains switch on) Allow the balance to warm up. To room temperature (minimum of 30 minutes).
7.2. So	ftware Operation.
7.3. Ste	eps of the Procedure
	Place a container on the weighing pan (to register the weight of the container). Press the Zero key. Control Display shows (zeroed the balance). Balance read out 0.0000 grams after successful taring. When the readout is stable the balance display the unit of measurement using abbreviations: g:grams, GN:grains, OZ:ounces, ozt:Troy ounces, ct:carats, tl:taels, dwt:pennyweights: ,ib:pounds,pcs:pieces. Automatic external Adjusment and calibrate the balance when there is no weight, the balance is tared and the internal signal is stable.



7.4. Turning off the Instrument

- ☐ Unload the containers.
- ☐ Turn off the electric main power source.
- ☐ Turn off the power completely by disconnecting the AC adapter from the balance.

7.5. Warning

Write any the warning in BOLD and RED FONT.