

 <p>BLDEA'S Shri Sanganabasava Mahaswamiji College of Pharmacy & Research Centre Vijayapur 586103</p>	DEPT: PHARMACEUTICAL CHEMISTRY	SOP NO.: BCP/PC/SOP/018
	INSTRUMENT: REFRACTOMETER	PAGE NO.: 01-02
	MAKE: Toshniwal Insts. Engg. Comp MODEL: 1352	
	SUBJECT: SOP FOR REFRACTOMETER	EFFECTIVE DATE: 01/01/2022
		REVIEW PERIOD: 31/12/2022

Objective:

The following document describes the standard operating procedure for Refractometer.

Scope:

The Refractometer is a tool which helps in measuring the refractive index for a given sample

Procedure:

1. Ensure the instrument is clean and free from dust.
2. **Switch ON** the mains.
3. Open the prism box for measurement of refractive index (RI) of the sample.
4. Place 2-3 drops of sample on ground surface of lower prism. Close and Fit the prism box
5. Adjust the eye piece and mirror.
6. Turn the mirror either clock wise or anticlockwise till the coloured band appears in the field of view.
7. Turn the milled ring at the base of telescope such that sharp line is seen which divides a field of view in half illuminated and half dark portion. Read RI
8. Open the prism box, **WIPE OFF** the sample and **CLEAN** the prism with dry tissue paper.

Precautions:

- Ensure the cleanliness of instrument **BEFORE** and **AFTER** usage.

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