1. Objective

These instructions are needed as a guide in operating the Refractive Index tool

2. Scope

This work instruction covers the operation of the Refractive Index tool

3. Reference

Refractive Index Practical Book

4. Executor

related PLP.

5. Terms and Definitions

The Refractive Index tool is used to measure reflected or refracted light rays, the result of a light beam hitting the plane between two media.

6. Tool Image

Parts of **the Refractive Index Tool**

Power	: To turn on the laser
Knob up/down	: To adjust the laser position above the media or below the media
Glass Tub	: To accommodate the liquid media to be measured
S scale	: To determine the direction of the laser towards the media

7. Work instruction

7.1 Connect it to a power source

7.2 Enter the liquid solution or liquid medium to be measured, make sure the volume is sufficient so that the laser can pass through the medium.

7.3 Turn on the tool by pressing the ON button, the indicator light will come on (red and yellow). Set the laser height according to the media to be measured.

7.4 Also set the degree deviation that will be used, by moving the refractive index lever.

8. Refractive Index Tool Maintenance:

1. Clean the tool from the solution after use.
2. Charge the laser if the light decreases.
3. Store the tool in a cool place with sufficient light and temperature.

9. Endorsement

	Name	Position	Signature	Date
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