

IV-E242 To Determine The Refractive Index Of The Calcite Using Spectrometer And Sodium Light

Scope of Learning :

- To determine the refractive index of the calcite for ordinary and extra ordinary rays using Spectrometer and Sodium light.

About Spectrometer:

- A Basic measuring instrument for quantitative spectroscopy experiments, this instrument is mounted on a stable cast iron base with attached collimator and a rotating telescope platform and graduated circle.
- A 2.4cm. Diameter achromatic optical system with a 10x Ramsden eyepiece & cross line graticule.
- An 8 cm. Diameter prism/grating Table, fully adjustable with prism & grating holders and engraved ring pattern. Protected Circle 15.0 cm with S.S. Scale.
- Vernier reading 1 minute.
- Supplied in a wooden case with 2" Brass spirit level.

Required Accessories :

Apparatus Supply:

- Spectrometer
- EDF Prism 32x32
- Slit For Resolving Power
- Spirit Level 2"
- Working Manual

Accessories (Light Source):

- Sodium Vapour Lamp Assembly
- Sodium Vapour Lamp 35 Watts
- Sodium Vapour Lamp Box
- Sodium Vapour lamp Transformer 35 Watts.

