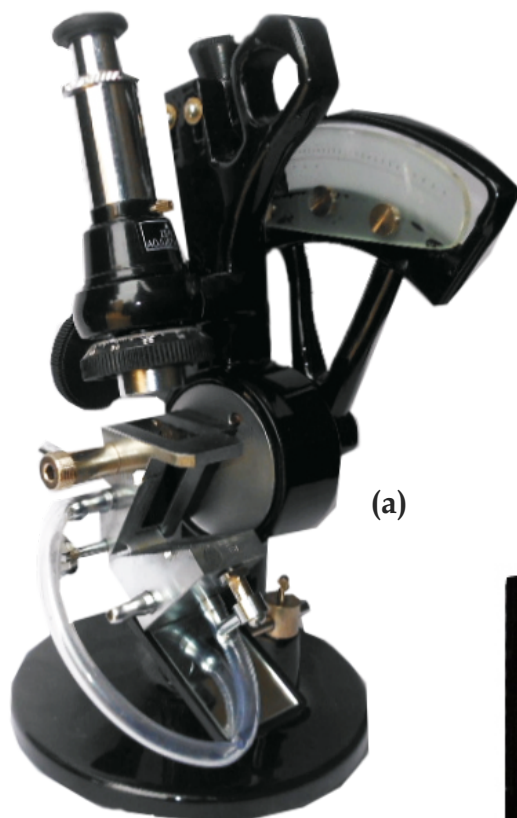


Experiment(s):

1. Determination of Refractive Index of liquids and solids

(For more details, procedure & manual visit: www.kamaljeeth.net)



(a)



(b)



Experiment Setup Consists:

- a) Abbe's Refractometer
- b) Sodium Vapour Lamp Set

Specifications:

a) Abbe's Refractometer

Range: 1.3 - 1.7
Resolution: 0.001
Minimum Sample quantity required: 1 ml
Calibration: Yes using provided standard liquid
Type: Split Prism
Measurement of R.I at varying temperature: Available through external feed
Illumination: Through adjustable mirror
Eyepieces: 2 nos - For R.I scale and Bright and dark region viewing
Base: Cast Iron
Moving parts: Brass

b) Sodium vapour lamp set (Optional)

Lamp: Philips / Thorne 35W
Lamp House: Single Lamp type with fixed slit openings
Transformer: 35W, Instant ON type
Input: Mains operated 220V, 50Hz or 110V, 60Hz

Reference : Lab Experiments Journal vol-16, No.1, Page-32



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