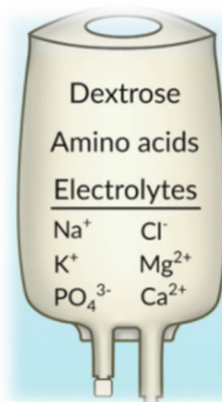


## Measuring Refractive Index in the Compound Pharmacy for USP <831>

Measuring the refractive index (RI) of a substance is a valuable tool to determine the identity of the substance, the purity of the substance, as well as its concentration in solution. Compounding pharmacies determining RI in pharmaceuticals follow guidelines set forth in USP <831> Refractive Index. This calls for using a temperature of 25°C and a theoretical accuracy of +/- 0.0001.



### DR6000 Model Digital Refractometers

- Meet the requirements of USP <831> as well as GMP/GLP, 21 CFR Part 11 (Audit Trail) and many other International guidelines
- Models with accuracy to nD +/- 0.00002
- Temperature range of 10 to 80°C with fast Peltier control
- Measure liquids, pastes, highly cloudy and viscous solutions without difficulty
- Scales for RI, % Brix, sucrose, glucose, fructose or define your own scales

### Applications in the Compounding Pharmacy

- Monitor Preparation of Parenteral Nutrition
- Osmolarity
- Quality of cremes and lotions
- Controlled Substance Tampering screening
- Sugar levels in syrups