



APPLICATIONS

- **For determination of**
 - Moisture, Oil, Protein, Fat, Starch, Amino Acids, Hydroxyl Number, Film Thickness, Lactose, Latex, Total Carbohydrates, Nicotine; Attributes like Stability, Internal damage etc.,
- In the areas of**
 - Chemical, Packaging, Pharmaceuticals, Beverages, Food & Dairy, Grain Analysis, Pulp & Paper, Meats, Flour, Textiles, Plastics, Sugar etc.,

SPECIFICATIONS

PARAMETER

SPECTRAL	
Range	600 to 2500 nm
Bandwidth	20 nm
PHOTOMETRIC	
Range	± 2.5 Abs.
Stray light	<1% T at 2300 nm
LIGHT SOURCE	Quartz Halogen Lamp
MONOCHROMATOR	300 Lines/mm Concave Holographic Grating
GRATING DRIVE	Continuous scanning stepper motor drive
DETECTOR	Two colour detector Monitor (Si-Pbs)

* For detailed specifications contact ELICO Corporate office / Branches

* Specifications subject to change due to continual development

SALIENT FEATURES AND BENEFITS

- PC based, User-friendly & Menu driven
- High performance Concave Grating Monochromator
- Simple but most effective optical layout with minimum components
- Transmittance & Reflectance measurements
- Fast analysis
- Advanced state-of-the-art MS Windows® based software for Data acquisition, Processing, Storage, Retrieval, Interpretation of Complex spectra, Quantitative estimation using Regression analysis & Presentation functions
- Advanced Chemometrics, i.e, PLS calibration
- Upto 4th derivative spectral data
- Multiple constituents analysis
- Fit error analysis