

## Analytical Equipment List

### HPLC:

- Thermo Scientific Dionex Corona CAD
- Waters HPLC - UV-Vis - Dual Wavelength PDA Detectors - Fluorescence Detector

### Spectrometry:

- Varian Cary 50Bio UV-Vis Spectrophotometer
- Perkin-Elmer Model Spectrum 100 FTIR

### Total Organic Carbon:

- Shimadzu TOC-V-WS Total Organic Carbon Analyzer

### Particle Sizing:

- Malvern Mastersizer 2000
- Malvern Spraytec Particle Sizer RTS 5000

### Atomic Absorption:

- Perkin-Elmer AAnalyst, Model 400 Atomic Absorbance Spectrometer

### Thermal Characterization:

- Perkin-Elmer Diamond DSC
- Perkin-Elmer Pyris TGA
- TA Instruments MDSC with Auto Samplar

### Dissolution and Disintegration:

- Hanson Dissolution Test Station with Autosampler
- VanKel Dissolution Test Station with Autosampler
- Low Volume Dissolution
- VanKel Enhancer Cell
- Hanson Ointment Disk

### Stability:

- Temperature Cycling Oven
- UV/Vis Photo Stability Chamber
- 25° C/60% RH Stability Chamber
- 30° C/65% RH Stability Chamber
- 40° C/75% RH Stability Chamber
- 2 - 8° C Stability Chamber
- -20° C Stability Chamber
- Siemens APOGEE Monitoring System

### Other:

- Leica Polarizing Light Microscope
- Denver Moisture Balance
- Brookfield Viscometer
- Andersen Cascade Impactor, Model 10-709
- Thiel Tubes & Velocity Meters
- OSMETTEA Precision Systems Osmometer
- Rudolph Research Polarimeter
- Sterilizer
- Corning and Thermo Orion pH Meters
- Erweka Friability Tester
- Erweka Tapped Volumeter
- Varian / VanKel Hardness Tester
- Mettler Toledo Density 30PX Density Meter
- Mettler Toledo DL32 Karl Fischer Coulometer
- Mettler Toledo DL38 Karl Fischer Titrator
- Fischer Scientific Micromaster Light Microscope with Digital Camera
- Fisher Scientific Isotemp Muffle Furnace
- Fischer Scientific Dissolved Oxygen Meter
- Fischer Scientific and Branson Sonicators
- IKA-Werke Model HS-501 Digital, Refrigerated Incubator Shaker
- New Brunswick Model c24KC Refrigerated Shaking Incubator
- Jeio-Teck Model SI-600 Refrigerated Shaking Incubator
- Sheldon Vacuum Oven
- Eppendorf Centrifuge