

Analytical Capability

Nation Ford Chemical has the ability to perform many in-process and final product quality measurements within our own laboratory. The lab is staffed around the clock to meet all production demands.

CHROMATOGRAPHY TECHNIQUES

- High Performance Liquid chromatography (HPLC)
 - UV-Vis (fixed or diode-array detection)
 - Refractive index detection (RID)
- Gas chromatography (GC)
 - Flame ionization detection (FID)
 - Mass spectrometry (MS)
- Gel Permeation chromatography (GPC)
- Thin Layer chromatography (TLC)
- Solid phase micro-extraction (SPME)

SPECTROSCOPY TECHNIQUES

- Spectrophotometry (UV-VIS)
- Infrared Spectroscopy (FTIR)

OTHER TECHNIQUES

- Karl Fischer (coulometric and volumetric)
- Viscometry (capillary and Brookfield-type)
- Titrimetric analysis (auto and manual)
- Color analysis (APHA, Gardner-scale & Hach-type)
- Particle Size (Laser-scattering distribution)
- Centrifuge (sedimentation)
- Moisture/Loss on Drying
- Conductivity
- pH analysis
- Melting point
- Flash point

Other analyses are available upon request or facilitated by local analytical firms.