



We're dedicated to advancing your analytical development needs with a wide range of cutting-edge testing services.

# ANALYTICAL CHEMISTRY

## EXPANSIVE SERVICE

- Dissolution
- Total organic carbon
- Mercury analysis
- Moisture determination (Karl Fischer: direct and indirect coulometric titration) pH and conductivity
- Water activity
- Inorganic impurity profile
- Container/closure testing
- Atomic absorption (flame AA, GFAA)
- Particle size distribution
- Osmolality
- Melting point determination
- Residual solvents
- Organic volatile impurities
- Viscosity determination
- Nitrogen analysis
- Gas analysis (oxygen, carbon dioxide, etc.)
- Specific gravity limit test
- Identification test
- Amino acid profile
- Impurities profile
- Particulate matter (Methods I/II)
- Specific rotation
- Glass grain test

## STATE-OF-THE-ART INSTRUMENTATION

- HPLC (UV-Vis, PDA, RI, FI, CAD, ELSD, EC, MALS, and conductivity)
- ICP-MS
- ICP-OES
- GC: direct injection and head space capability (FID, TCD, and NPD)
- GC/MS MSD with EI and CI ionization source
- LC/MS: quadrupole, triple quadrupole, and quadrupole time-of-flight of mass spectrometers with APCI and ESI
- Fluorescent spectrophotometer
- AccuSizer GFAA
- Flame AA
- FTIR
- Polarimeter
- UV-Vis spectrophotometer
- Brookfield HBDV-II+Pro
- cone/plate rheometer
- IC
- CE
- UPLC
- Total organic carbon (TOC) analyzer
- Malvern Zetasizer Z690
- Malvern Mastersizer 2000



## THE TRUE PARTNERSHIP DIFFERENCE

We make your goals achievable through a dedicated approach. Every project is led by a **single point of contact**, ensuring seamless communication, strategic planning, consistent reporting, and high-quality data from start to finish.



**Partner with Nitto Avecia Pharma Services for reliable, high-quality analytical chemistry support across all stages of drug development.** Since 1988, we have built a strong reputation for delivering flexible outsourcing solutions tailored to your development priorities.

## OUR CORE CAPABILITIES

### COMPREHENSIVE COMPENDIAL TESTING

Cost-effective analysis (USP/NF, EP, BP, ACS, and custom monographs) for raw materials, in-process samples, and finished products.

### STABILITY PROGRAM MANAGEMENT

Let us help with the logistics for your stability programs, including storage in a wide range of ICH-listed conditions.

### BROAD EXPERTISE

Drug substances, drug products, diverse dosage forms, and vendor qualification.

### EXTRACTABLES & LEACHABLES

Broad expertise in PVC blister packs, injectables, medical device, IV bags, and single-use systems.

### DEDICATED PROJECT MANAGEMENT TEAM

A single, dependable point of contact who guides and runs meetings, generates agendas and minutes, provides high-quality data and metrics, and conducts detailed post-project follow-up.

### MICROBIOLOGY

Comprehensive cGMP microbiological testing for sterility, endotoxins, bioburden, and environmental monitoring.

### PACKAGING & DEVICE TESTING

Expert analysis of elastomers, glass, and plastics. We can assist with navigating extractables and leachables.

### BIOPHARMA

Integrated analytical support to enable development and commercialization of complex biologics.