# PHARMACEUTICAL CHEMISTRY

LIFE

## RAW MATERIALS, FINISHED PRODUCTS AND FORMULATION STABILITY

Pace Analytical® Life Sciences (PLS) offers analytical chemistry services for the testing of Raw Materials, In-Process Formulations, Finished Products, Package Integrity and Formulation Stability. We follow client-supplied methods, compendial methods or methods that we have developed and validated for clients. With extensive experience and a broad working knowledge of many dosage forms–including transdermal, implantable, inhalation and injectable drug delivery systems, as well as classic oral, topical and parenteral formulations–Pace offers the services and expertise to support your pharmaceutical chemistry needs.

### RAW MATERIALS TESTING:

- Formulation Excipients
- Active Pharmaceutical Ingredients (API)
- Compendial Methods (USP / EP / BP / JP / FCC / ACS)
- Certificate of Analysis Verification
- Vendor Qualification Program Support

### PROCESS VALIDATION AND FACILITY MONITORING SERVICES:

- Process Water Systems (Purified Water, WFI & Clean Steam)
- Compressed Air / Gas Systems
- Cleaning Verification / Validation
- On-site Sampling

### FINISHED PRODUCTS AND PACKAGED GOODS:

- Content Uniformity & Potency Assays
- Dissolution / Elution
- Impurities / Degradation Products
- Quality Control Release Testing
- Formulation Stability Testing
- ICH Stability Storage

### RESEARCH AND DEVELOPMENT:

- Method Development
- Method Validation
- Method Transfer
- Extractable / Leachable Studies
- Container / Closure Tests
- Elemental Impurities (ICP-OES, ICP-MS, AA, GFAA, CVAA)

Pace Analytical®

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