

# Pharmaceutical Chemistry

The Pharmaceutical Chemistry Team at Lancaster Laboratories has earned a reputation for providing high quality analytical data delivered on time. Our chemists combine years of experience in the pharmaceuticals industry with state-of-the-art equipment to meet your analytical needs. And, as in your own company, our internal QA group routinely audits each of our areas for strict compliance with cGMP requirements.

With experience in testing all types of solid dosage forms, from immediate release products to controlled release products, to testing liquids, suspensions and niche types of formulations (like aerosol and transdermal products), our knowledgeable professionals can meet your needs. Regardless of whether you need results in two weeks or overnight, we have the size and capacity to meet the most demanding turnaround time requirements.

**Some of the chemistry services we offer are:**

## **Analytical Method Development/Validation.**

Development and validation of analytical methods in support of stability testing of drug substance and drug product, residual solvent testing and cleaning validation testing.

## **Raw Materials Testing**

Testing performed according to the following compendia: USP, EP, BP, JP, ACS, or FCC, or performed according to client supplied or vendor supplied methods.

## **Stability Testing and Stability Storage**

Testing performed to support national and international regulatory submissions for new products. Commercial product stability programs also supported.

Stability storage capabilities with a broad range of storage conditions including all ICH conditions for long-term or accelerated stability studies as well as photostability studies.

## **Comparator Product Testing**

Development and validation of assay, impurity and dissolution methods for over-encapsulated and/or de-branded marketed product.

Testing performed to support clinical release, clinical re-assay and stability programs.

## **Marketed Product Release Testing**

QA/QC release testing performed to support marketed products.

## **Commercial Product Retain Program**

Services provided to store and inspect commercial product retain programs.

## **Consulting Services**

Consulting services provided to support the writing of method transfer protocols, stability study protocols, and analytical method validation protocols.

For more information on our pharmaceutical chemistry testing capabilities or any of our pharmaceutical capabilities, please contact your project manager or Pharmaceutical Business Development at 717-656-2300.



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