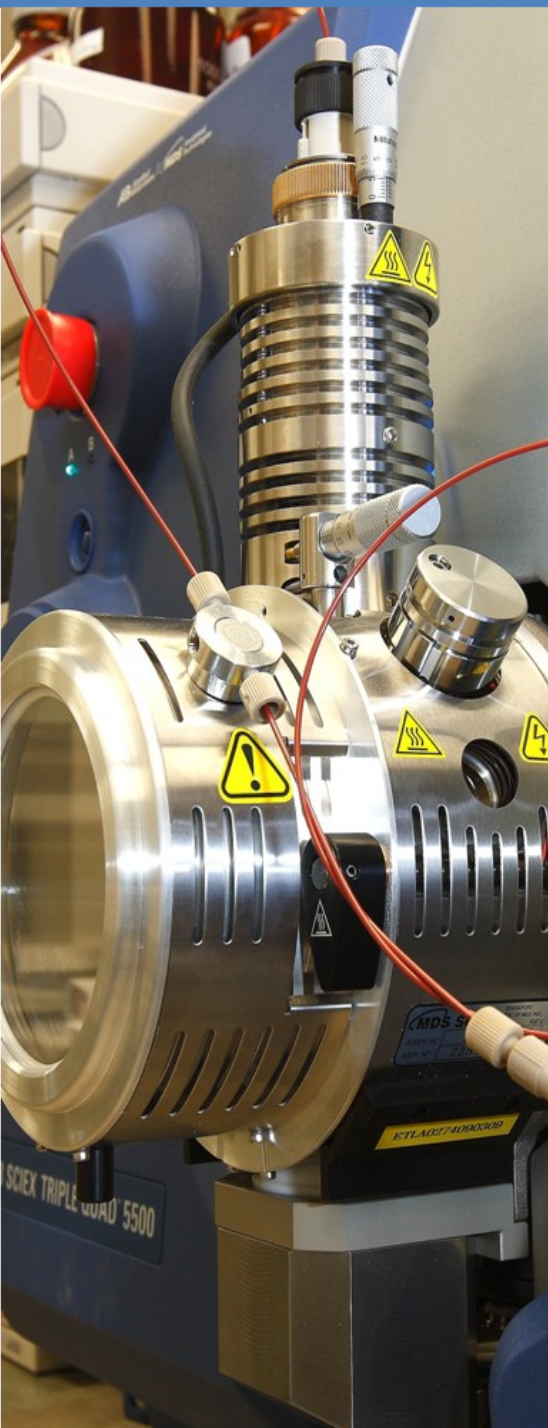


Analytical Services - 5 Batch Analyses

Researching and Providing Solutions for the Future!



5-BATCH ANALYSIS

ADPEN provides analytical services for Impurity Profiling and 5-Batch Analysis. From Europe to the Americas, ADPEN serves the agrochemical industry in their pesticide registration efforts.



Preliminary Analysis (5-Batch) is conducted under OPPTS 830.1700. The purpose of 5-Batch Analysis is the identification and quantification of the active substance and impurities above 0.1 % as well as impurities of toxicological significance, in five representative batches of the technical product. The first step is to consult with the sponsor about the chemistry of the manufacturing process. Discussions about starting materials, including impurities, chemical reaction and degradation products are part of this step. The second step is the preliminary investigation which consists of the analysis of five batches using GC-FID, listing of all impurity peaks above 0.1% and identification of these impurities using GC-MS and or LC-MS/MS. The third step is the quantitative analysis of the active substance and the impurities found.

Our chemists rigorously test all active ingredients and impurities, in addition, impurities can be profiled by preparative HPLC/FT-IR/MS/NMR and analytical methods can be developed if no methods are available.

QUALITY AND EXCELLENCE

Our staff of well-trained professionals is experienced in 5-batch analysis and are ready to get your toughest projects and testing needs successfully completed. Analytical support for product registration is our forte.

We are compliant with FIFRA-EPA, EPA, EC, OECD and US EPA GLP Guidelines.