

Impact Analytical Service Offerings

General Applications

- Optical Microscopy
- Stability Storage, Per Cubic Foot/Month
- Freeze/Thaw Storage
- Non Volatile Residue (NVR)
- Failure Analysis

VOC Determination

- VOC Analysis by EPA 24 (gravimetric)
- VOC Analysis by California Method (short) Three Runs Per Sample
- VOC Analysis by California Method (long) Three Runs Per Sample
- VOC by ASTM D2369
- VOC Analysis for Prop 65
- BPA
- Phthalates by Prop 65

Physical Property Testing

- Viscosity Determination (kinematic and Brookfield)
- Specific Gravity
- Rheometry Analysis
- Contact Angle, 2 Surfaces
- Durometer Hardness Measurement
- Surface Tension Determination (drop method & d-ring method)
- Sample Density Measurement (liquid, solid, tap and bulk)

Thermal Analysis

- Differential Scanning Calorimetry
- Modulated DSC Analysis (specific heat)
- Thermal Gravimetric Analysis

Flammability Testing

- Open Cup Flash Point
- Flash Point Analysis
- Flame Extension & Flashback Testing, Canada Standard, US Standard
- Enclosed Space Ignition (3 replicates)
- Ignition Distance Testing (EU)



Impact Analytical is a small business certified to the ISO 9001:2015 quality standard system, registered with the FDA allowing for GLP and cGMP testing for both EPA and FDA requirements, and licensed with the Drug Enforcement Administration (DEA) to maintain and test controlled substances under DEA Schedules 1, 2, 2N, 3, 3N, 4 and 5.



ISO 9001:2015
Certified



Cage Code
7KTA7



DUNS
#80160931

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Sample Preparation

- Sample Preparation - Cryogrinding
- Sample Preparation HF Digestion
- Sample Preparation SEC (HFIP)
- Sample Preparation: Extraction Soxhlet or Reflux

Molecular Characterization

- Fourier Transform Infrared Spectroscopy
- Nuclear Magnetic Resonance
 - Proton, Carbon 13, Phosphorus/Silicon, Fluorine, and Nitrogen. Also Carbon Quantitative Analysis and High Temperature
- Ultra-Violet - Visible Spectra Identification
- Chemical Ionization Mass Spectrometry
- Electron Ionization Mass Spectrometry
- Electro Spray Ionization Mass Spectrometry

Bioanalytical Services

- Regulated/Non-regulated Small Molecule LC-MS/MS Method Development
- Full GLP Validation or fit-for-purpose Method Qualification, as applicable
- Sample analyses in support of Discovery, Safety Assessment, and Pre-Clinical Studies

Separation Sciences

- GC(FID/TCD) Sample Analysis
- GC-ECD
- GC-MS Sample Analysis
- GC-MS sample Analysis, CI
- GC-MS Sample Analysis with SPME Preparation
- GC-MS/MS
- Head Space GC-MS Set-up and Sample Analysis
- LC-MS
- LC-MS/MS
- HPLC Sample Analysis
- SEC/GPC Sample Analysis and Standards
- SEC-MALLS Sample Analysis
- Thin Layer Chromatography

Inorganic / Wet Chemistry

- Karl Fischer Water Titration - (coulometric) Analysis
- Karl Fischer Water Titration - (volumetric)
- Karl Fischer Oven Method
- Organic Titration set-up and analysis
- ICP-OES Sample Analysis
- ICP-MS Sample Analysis
- Ion Chromatography
- Percentage Solid Determination
- pH Determination
- Chloride Analysis
- Total Organic Carbon (TOC)
- Osmometry