



Jordi  Labs

MATERIAL SOLUTIONS. UNCOMPROMISING INTEGRITY.

# ANALYTICAL SERVICES

# The Problems We Solve

*Jordi has the expertise needed to provide solutions for your material problems. We combine over 60 different analytical techniques, experienced chemists and the “Jordi Way” to provide the service required to make your project successful. Whether you require deformulation, identification, comparison, quality control testing or general product failure assistance, Jordi Labs can provide a solution:*

> **Regulatory Services** – Study and protocol design, understanding of material composition, unknown identification, quantitative methods, and support for your submission

> **Good-Bad Comparisons** – Jordi Labs can solve your problem if you have a product which is inconsistent from batch to batch or which is no longer performing as it was designed

> **Method Development Validation** – A step-by-step approach to the discovery of a suitable set of conditions for the analysis of your sample

> **Polymer Analysis** – Monomer type, oligomer content, polymer architecture and branching, crosslink density, absolute or relative molecular weight, copolymer characterization and much more

> **Polymer Failure** – Resolving the cause of failures of polymer products including polymer composites, adhesives, thermosets, rubbers and latexes

> **Polymer Filler & Additives Analysis** – An extensive polymer additive library and established methodologies allow us to analyze polymer additives including slip agents, lubricants, antioxidants, UV screens, heat stabilizers, etc.

> **Product Deformulation** – We have successfully deformulated hundreds of products including polymer composites, car waxes, inks, nail polishes, adhesives, sunscreens, and drug products

> **Quantitative Analysis** – Organic and inorganic compounds can be quantified using validated and custom methods

> **Expert Witnessing** – Providing services for a variety of litigation scenarios, including product failure cases, product liability cases, insurance claims, patent infringement and more



# About Our Regulatory Testing Service

*Our team of PhD analytical chemists excels at helping companies worldwide comply with regulatory testing which ensures safety, compliance and acceptance.*

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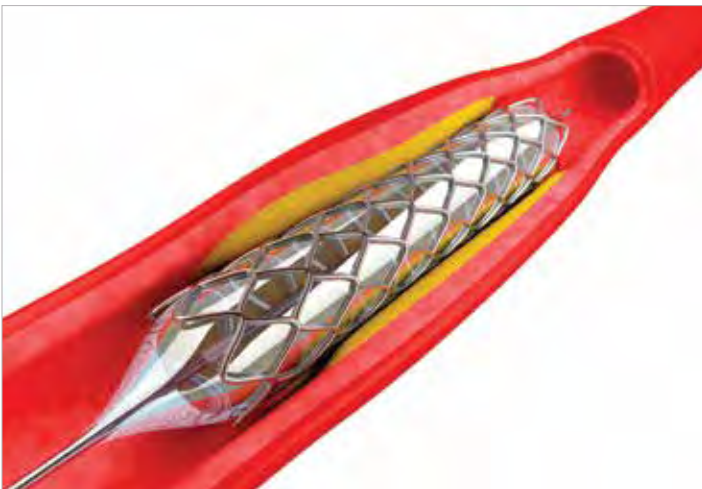
- > Extractables & Leachables
- > Medical Device Testing
- > Surgical Instrument Cleaning Analysis
- > Efficacy Studies
- > Cleaning Validation
- > Compendial Testing
- > Residue Analysis (EO, EC, EG)
- > Storage/Stability Testing
- > Accelerated Aging
- > Forced Degradation
- > Photostability
- > Particulate Analysis

Our systematic methodology and state-of-the-art instrumentation help your company comply with safety regulations:

- > ISO 10993 Laboratory Testing Services
- > FDA Guidance: Analytical Procedures and Methods Validation for Drugs and Biologics
- > FDA Guidance for Industry: Preparation of Premarket Submission for Food Contact Substances
- > EPA Polymer Exemption Guidance Manual
- > ICH Q2: Validation of Analytical Procedures: Text and Methodology
- > ASTM F1980 Accelerated Aging Guidelines
- > REACH

As a worldwide leader in chemical identification, we have experience working with regulatory bodies outside of the United States. Our work for European Union (EU) regulations includes:

- > EN 13130 – Materials and Articles in Contact with Foodstuffs
- > EN 1186 – Migration in Foodstuffs
- > EU 10-2011 – Plastic Guidance with Food





# Analytical Techniques

*Jordi Labs is a recognized leader in many analytical laboratory testing techniques. Our team of analytical chemists has more than 35 years' experience specializing in chromatography and mass spectrometry techniques.*

- > **Mass Spectrometry** – QTOF-LCMS, QTOF-GCMS, LC-QQQ
- > **Liquid Chromatography** – 2D-UHPLC, UV, CAD, RI, DAD, Fluorescence
- > **Gel Permeation Chromatography (GPC)** – RI, Light Scattering, Viscometry, High Temp
- > **Spectroscopy** – NMR, FTIR-Microscopy
- > **Elemental Analysis** – ICP-MS, EDX, ICP-OES, PIXE
- > **Microscopy** – SEM-EDX, TEM, LM
- > **Thermal Analysis** – TGA, DSC, DMA, TMA
- > **Physical Testing** – Tensile, Cap Rheometry, Flex, Impact, Melt
- > **Particle Analysis** – Particle Size, Porosimetry
- > **Bench Chemistry** – Titrimetry, Gravimetric, Swell Ratio, pH
- > **Preparative Purifications**



## Why Jordi Labs?

*Since 1980, Jordi Labs' team of PhD analytical chemists have solved analytical problems. Our goal is to provide the highest quality products and services to these industries:*

- *Polymer*
- *Pharmaceutical*
- *Nanotechnology*
- *Biotechnology*

But it's who we are as company, what we believe in, "*The Jordi Way*" that sets us apart.

*ISO 9001 Registered | 04/16*

### The "*Jordi Way*"

Integrity, innovation and teamwork are our core beliefs that guide our business so that we can best serve you. For more than three decades, our team of analytical chemists have worked according to the "*Jordi Way*". It's how we provide the best possible service to our customers. It means that we work until the job is finished, never giving up on a solution. It can also be described as following the Golden Rule of "Do unto others as you would have others do unto you."

We strive every day to give our customers the kind of service that we would expect from highly skilled chemists. It's not enough that we get the job done; it must be done with excellence. This culture of integrity ensures we work diligently and take responsibility for the results that we provide.