

# RJ Lee Group Columbia Basin Analytical Laboratories

Columbia Basin Analytical Laboratories is a public/private partnership with Columbia Basin College, and is located on the school's campus.

We are certified by the American Industrial Hygiene Association Laboratory Accreditation Program for asbestos analysis. Additional accreditations include analyses for organic chemicals, water, and metals.



# Columbia Basin Analytical Laboratories

A Columbia Basin College - RJ Lee Group Public/Private Partnership

## Analytical and Laboratory Services

### Industrial Hygiene

- Asbestos/Beryllium
- Particulates/Vapors

### Organic Chemistry

- Nitrosamines, Amines, PCBs, Pesticides, other organics (please call)

### Inorganic Chemistry

- Drinking water, wastewater, soil analysis
- Toxic Characteristic Leaching Procedure (TCLP)

### Microscopy

- SEM
- TEM
- PLM/PCM

### Mobile Laboratory Services

- PTR-MS
- GC-MS
- Methane/CO<sub>2</sub> Analysis
- VOC Mapping
- Vapor Intrusion

### Geotechnical Analyses

- Particle Size
- Gravimetric
- Compaction Testing
- Viscosity

### Standards

- ASTM
- NQA-1

## Accreditations

- AIHA
- NY-ELAP
- WDOE
- DOECAP
- NVLAP (available through our Monroeville facility)

## Education and Training

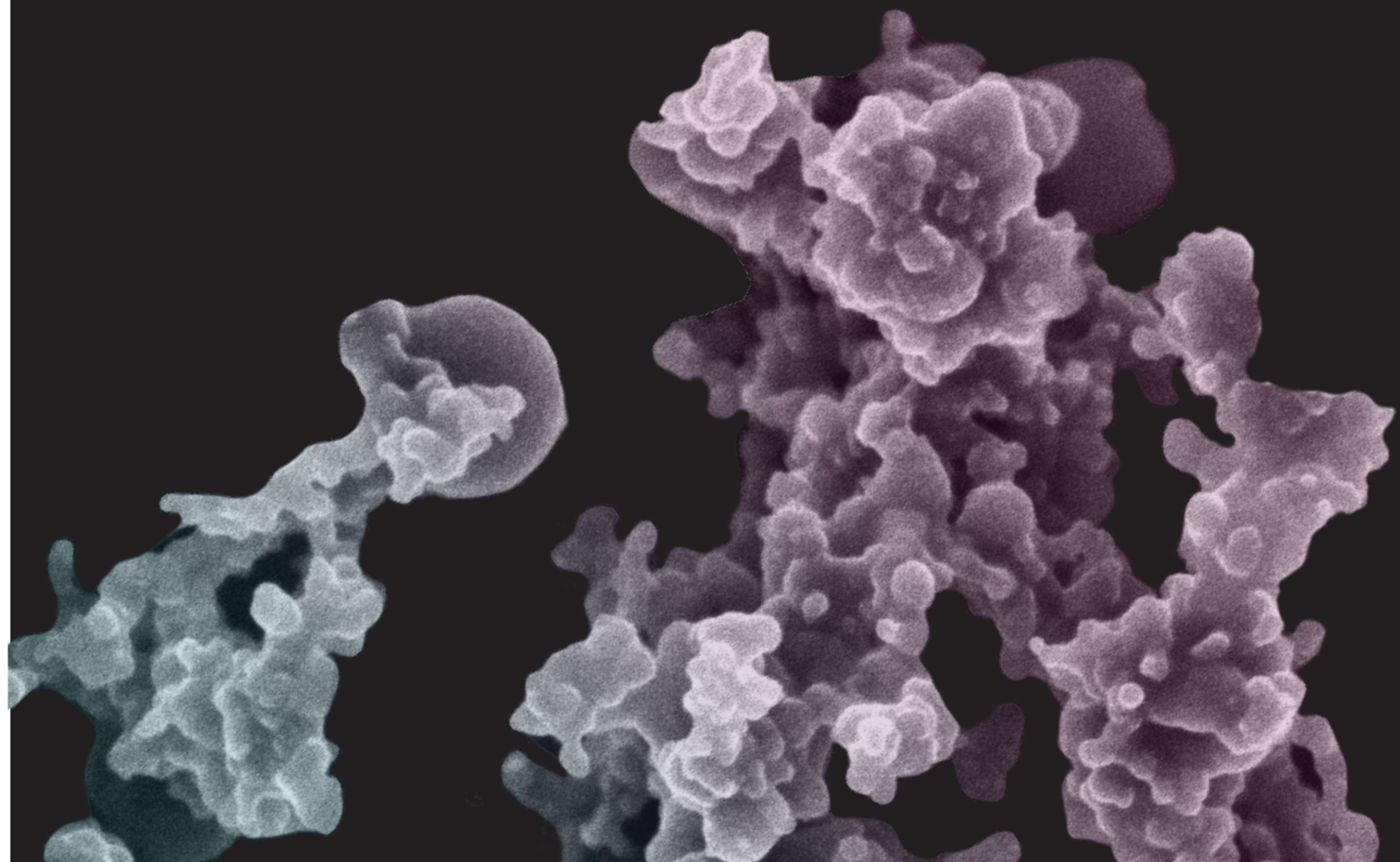
### CBC Partnership

- Technical training and certifications
  - Nuclear Technology
- Co-funding/Grants
- Faculty
  - Co-Principal Investigator
  - Consulting
  - Training
- Student Internships
  - Internships
  - Work Study
  - Hands-on Training

## Research and Development

- Waste Form Development and Testing
- Treatment Technologies
- Engineered Barriers
- Flow and Transport
- Feasibility/Treatability Studies
- Solid Phase Characterization

# A Materials Analysis Laboratory & Consulting Company



Columbia Basin Analytical Laboratories | 2710 N. 20th Ave. | Pasco, WA 99301 | 509.792.1955

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Woodsmoke Microscopy Image Collected at RJ Lee Group, Inc.



## LABORATORY AND TESTING SERVICES

**We provide testing services to certify product and materials compliance, support quality control, and ensure the health and safety of workers.**

Our accredited materials characterization laboratory is the foundation of all the services RJ Lee Group provides, including standardized testing for compliance, industrial hygiene and environmental analyses, quality control, and materials research and development. We understand and employ current methodologies mandated by government standards such as OSHA, NIOSH, MSHA, and the EPA.

Laboratory techniques include microscopy, inorganic and organic chemistry, surface analysis, x-ray diffraction (XRD), and x-ray fluorescence (XRF).

## INDUSTRIAL FORENSICS SERVICES

**We combine consultative and laboratory services to resolve materials, process, manufacturing and environmental issues.**

### Quality Control

We partner with our clients to achieve continuous improvement across the product life cycle and help them gain and preserve a competitive edge in a rapidly changing regulatory landscape. Our experts analyze the manufacturing process and products to detect problems, mitigate them, and prevent their reoccurrence.

### Failure Analysis

Armed with a full-service materials characterization laboratory, our multi-disciplinary scientific staff works with clients across all industrial sectors to determine the root cause of failures at every level of production, development, and products in operation. RJ Lee Group also regularly serves as a third-party laboratory to provide objective evaluations of warranty claims. Our clients value the integrity of the data we generate and the insight that our scientists provide – delivered in a time frame that matches the needs of their business.

### Environmental Health & Safety

Our scientists provide timely insights, protecting our clients' long-range goals and minimizing health and safety concerns that impact workers, products, and the environment down to the nanoscale.

### Product Support and Materials Research & Development

RJ Lee Group's experts work independently or with the client's team to develop new products or modify and adapt existing products. From design concept to consumer use, we assist with selecting materials, developing specifications, and conducting testing to ensure products meet required standards. Accelerated and service life testing is performed to assess how a product will operate, and the length of time it will operate within its intended environment. Wear testing and root cause failure analysis are performed post mortem.

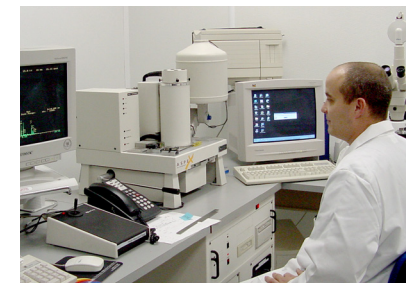


## LITIGATION SUPPORT SERVICES

**We provide support built on robust scientific data, interpreted and delivered by seasoned professionals.**

RJ Lee Group maintains a visible and respected reputation within the legal community, having offered scientific support in civil litigation matters for more than 25 years. We have assisted more than 500 law firms resolve over 3,000 matters involving product liability, toxic tort, construction defect, nuisance dust, personal injury and patent infringement cases. Our experienced consulting staff tracks conflicts of interest, maintains proper chains of custody, and organizes data productions as part of the discovery process. Immediate access to comprehensive laboratory facilities coupled with materials and environmental experts are capabilities we leverage to our clients' advantage.

In addition, RJ Lee Group's criminal forensics experts provide identification and comparison of microscopic evidence transferred or discharged in the commission of a crime, including gunshot residue analysis (GSR), hair identification and comparison, paint comparison, fiber analysis, and fracture match analysis.



## LABORATORY INFORMATIC SOLUTIONS

**We provide tools to simplify criminal forensics processes, streamline lab data management, and improve reliability of engineered systems.**

### IntelliSEM™

Combines best-in-class SEM technology from Thermo Fisher Scientific with RJ Lee Group's best-in-class automation software and consultation from our team of microscopy experts to produce a truly unique and unmatched SEM solution.

### SEAMS™

Provides real-time combination and correlation of diverse data sources and formats from sensors and/or instrumentation into a single, comprehensive view.

### PARTICLE ID™

Compile, store, search and mine analytical data to optimize processes for foreign particulate and materials investigations, our ParticleID software allows for analysis, comparison, and reporting.

**CONNECT WITH AN EXPERT!**

**509.792.1955**