



YASMIN
LABORATORY SERVICES



Yasmin Laboratory Services

Provides cost-effective local solutions for all of your laboratory testing needs.

We are your source for high quality laboratory services
in the areas of

- Chemical
- Geochemical
- Mineralogy & Metallurgy
- Environmental Testing
- On-Site Field Services

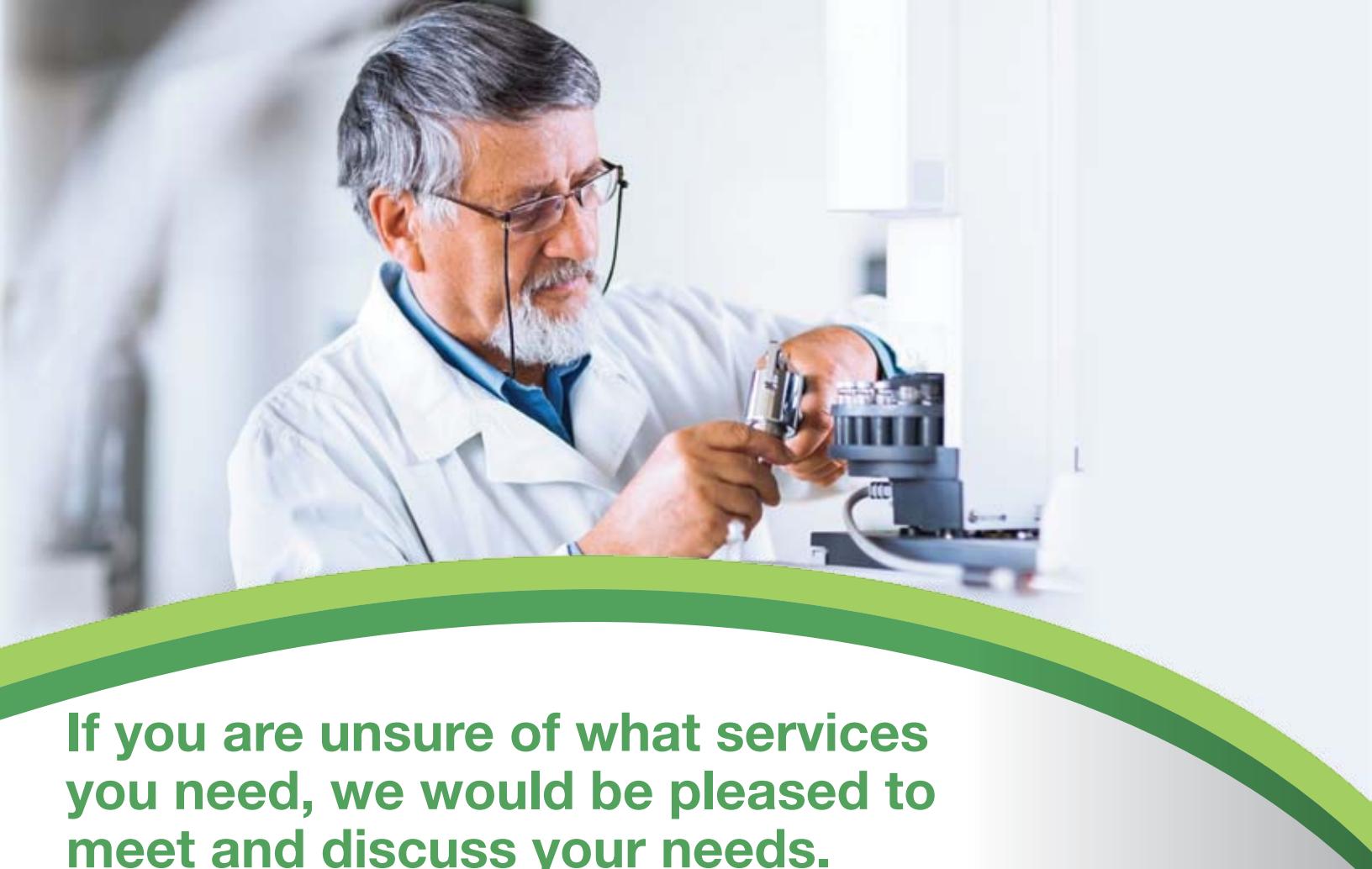
Our 250 sq m. facility located in Mazar-e Sharif is home to an extensive array of instrumentation and professional staff all dedicated to serving our clients



We are committed to maintaining the highest level of laboratory services and to respond to our clients in a professional manner.

Our laboratory customizes testing methods based on the needs of our clients and our scientists remain up-to-date with some of the most sophisticated instrumentation, methods, and innovative problem solving techniques.

Our laboratory provides testing services for air, water, wastewater, soil, rock and mineral for all programs associated with Afghanistan's National Environmental Protection Agency (NEPA) and International and Multinational Agencies. Yasmin Laboratory Services also offers a range of custom chemical testing, material analysis, and professional analytical services.



If you are unsure of what services you need, we would be pleased to meet and discuss your needs.

Our environmental division provides a wide variety of analytical services to various industrial, consulting, and government clientele, including:

- Environmental & Engineering Firms
- Development Agencies (UN, WHO, World Bank, EU, USAID, DFID)
- Mining, Petrochemical, Pharmaceutical, Fuel, Agricultural, Food and Waste Management industries

Our general analytical services include analyses for:

- Metals (AAS, XRF, XRD)
- Wet Chemistry (including microbiology)
- Organics and Semi-volatile Organics (UV-Vis and GC/MS)
- Soils (physical, nutrients, metals, organics)
- Air (CO, CO₂, NO_x, SO_x, particulates, metals, VOC, organics)



Quality

Our laboratory staff understands the value of quality analytical data to the integrity of exploration and mining, environmental, agricultural and industrial companies. Our processes are strategically designed to ensure that our clients receive the best quality assays to assist with corporate decision-making.

Yasmin's analytical lab quality program consists of a series of checks and balances with monitoring at top management levels. Our information management system gives oversight and access to all processes even at our most remote locations. Our Website provides client access to this quality information at all times as well.

Our analysis on each sample is conducted according to standard test methods (ASTM/USEPA/AASHTO) to provide complete assurance regarding quality performance in every aspect of our activity.



Water Testing

We offer a full service drinking water, waste water and construction water laboratory. We have instruments dedicated to drinking water testing and test for regulated and nonregulated compounds of concern.



Our Services

- Full range of drinking water regulated and unregulated, organic and inorganic compound, physicochemical properties, microbiological analyses
- Automatic scheduling of sample kit shipment
- Budget support according to your testing requirements
- Set up annual monitoring schedule
- Wastewater testing package

Water Testing

We have also developed the expertise necessary to perform complex trace analyses. These low-level analyses of use advanced specialized instrumentation.

- Atomic Absorption Spectrometer (AAS)
- UV-Vis Spectrophotometer



Environmental Testing

Environmental testing and analysis is at the core of Yasmin Laboratory Services. Our chemists have valuable experience working on projects related to the chemical, petroleum, transportation, manufacturing, agricultural, mining, natural resource and waste management sectors.

Our comprehensive services cover routine analyses and specialty testing services such as low-level environmental analysis of air, water, soil, sediment, and tissue, indoor air, and source testing determinations; microbiology and industrial hygiene.

- ⌚ Air quality/dust
- ⌚ Baseline analyses for environmental impact assessment (EIA)
- ⌚ Heavy metals bio-uptake in plant and animal tissue
- ⌚ Leaching and attenuation studies of spent ore, waste rock and soil
- ⌚ Acid mine drainage treatability studies
- ⌚ Agronomic soils - chemical, nutrient, and physical analyses
- ⌚ Acid generation potential of spent ore, waste rock and soil
- ⌚ Long-term waste stream monitoring
- ⌚ Low-level organic, inorganic and metals analyses
- ⌚ Reclamation project analyses
- ⌚ Remediation method development
- ⌚ Waste characterization
- ⌚ Wastewater analyses





Mine Testing

Minerals sample preparation expertise

- Standard Mineral Sample Preparation (dry, crush, split and pulverize)
- Particle Size Analysis
- Secure Sample Storage and Management

Precious metals assay

- Fire Assay, Cyanide Leach
- Aqua Regia Digest
- Precious Metals Analysis , Bullion and Core Analysis

Exploration geochemistry

- Gold and Multi-Elements by Multi Acid Digestion
- Trace Elements by ED-XRF
- Partial Digest, Selective Leach Geochemistry
- Mineral Exploration Geochemistry
- Hydrogeochemistry

Exploration geochemistry

- Acid Rock Drainage Prediction Tests
- Water Analysis, Drinking Water Analysis, Wastewater Analysis and Characterization
- Water Quality , Wastewater (Oil & Gas)
- Metal and Anion Parameters for Toxicity characteristic leaching procedure (TCLP)
- Acid Sulphate Soils
- Environmental Monitoring, Environmental Baseline Studies
- Yasmin lab designs, installs, commissions and operates sample preparation plants and analytical laboratories at mine and exploration sites. Services range from simple crusher installations to full service analytical laboratories

Minerals consulting services

- Laboratory Audits, Design QC Programs
- Geochemical Data Interpretation
- Advice on Environmental Sampling and Scheme of Analysis

Ores and Commodities

- Ores and High Grade Materials
- Base Metals, Rare Earth Elements
- Industrial Minerals, Refractory Minerals

Ores and Commodities

- Commodities include; metal Ores and Metallurgical Products
- Sample Preparation
- Independent Physical Testing and Chemical Analysis
 - Size Determination
 - Moisture Testing
 - Dimension Testing



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Agricultural Testing

Yasmin offers a comprehensive range of tests for the agricultural industry, including soils, organic materials such as compost and livestock manures plus silages and feedstuffs.

We are firm believers in the value of soil, forage and hay testing to improve effective nutrient utilization and efficiency. Ultimately, this should result in increased production and profit.

Air Testing

Yasmin Laboratory Services can meet all of your ambient, stack emission and indoor air quality sampling needs. We specialize in analyses of metals, volatile and semi-volatile organic compounds, sulfur compounds and other hazardous substances in a wide variety of air and vapor matrices.

Fuel Testing

Fuels are a critical component in the quest for energy independence. Yasmin Laboratory Services has experienced chemists and state-of-the-art equipment to support the growing demand for testing of fuels.

Our Laboratory offers trace element analyses (CHN, oxygen, sulfur, metals, and halogens) and solid fuel testing services.

Food & Beverage Testing

Beverage & food testing laboratory services are designed for complete customization to your specific testing needs. Our laboratory is capable of detecting trace contamination in part per million and part per billion levels. We have a variety of food testing lab services available including batch-to-batch variations, safety & regulatory consulting, extractable & leachable testing and more.



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Centrally Located in
Mazar-e Sharif, AFG



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