


DELMA LAB



DELMA EL-ARABIA LABORATORIES

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QUALITY WITH CONFIDENCE

Water, Material, And Environmental Testing
Services And Solutions.

All You Need In One Place.

ABOUT US



HOW WE STARTED

Delma El-Arabia Laboratories for Environment and Water Solutions, based in Saudi Arabia, is a leading provider of specialized testing and analysis services focused on water, soil, environmental conditions, and materials quality. Established with the mission to support sustainable development and environmental stewardship in the region, Delma El-Arabia has become a trusted partner for industries, government agencies, and private enterprises. Our state-of-the-art laboratories, equipped with the latest technology, offer precise and reliable testing services that meet international standards.

WE GUARANTEE PRECISE RESULTS THAT
ENHANCE THE QUALITY OF YOUR WORK



VISION

To be the premier environmental and materials testing laboratory in Saudi Arabia, recognized for our commitment to quality, innovation, and environmental responsibility. We aim to lead the industry in adopting new technologies and methodologies that advance the field of environmental and materials science.

MISSION

- Deliver high-quality testing and analysis services that contribute to the protection and sustainability of natural resources.
 - We are committed to helping our clients achieve compliance with environmental regulations.
 - Enhance the quality of their products and services.
 - Contribute positively to environmental conservation.
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VALUES

- **Quality:** We ensure the highest standards in all our testing and analysis services.
 - **Innovation:** We continuously invest in new technologies to provide cutting-edge solutions.
 - **Sustainability:** We are dedicated to promoting practices that protect and sustain the environment.
 - **Integrity:** We conduct our business with transparency, honesty, and ethical responsibility.
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OUR SERVICES

WATER TESTING AND ANALYSIS

Delma El-Arabia offers comprehensive water testing services, including chemical, biological, and physical analysis, to assess the quality and safety of water sources. We work with municipal water systems, industrial facilities, and private clients to ensure compliance with national and international water quality standards.



SOIL TESTING

Our soil testing services are designed to provide detailed information about soil composition, fertility, and contamination levels. These tests are crucial for agricultural planning, construction projects, and environmental assessments, ensuring that soil conditions are suitable for the intended use.



ENVIRONMENTAL TESTING

We offer a wide range of environmental testing services, including air quality monitoring, noise pollution analysis, and contamination detection in various environmental media. Our services help clients comply with environmental regulations and assess the impact of their operations on the environment.



MATERIALS QUALITY TESTING

Delma El-Arabia specializes in the testing of construction materials, including concrete, asphalt, metals, and other building materials. Our testing services ensure that materials meet the required standards for strength, durability, and safety, which is critical for the success of construction projects.



CUSTOMIZED TESTING SOLUTIONS

In addition to our standard services, we offer customized testing solutions tailored to meet the specific needs of our clients. Whether you require specialized testing for a unique project or need ongoing monitoring services, our team of experts is here to provide the support you need.



SCOPE OF SERVICE

1. WATER TESTING SERVICES

- **CHEMICAL TESTING**

Analysis of water samples for chemical contaminants such as heavy metals (e.g., lead, arsenic), nutrients (e.g., nitrates, phosphates), and pH levels to assess water quality.

- **MICROBIOLOGICAL TESTING**

Detection and identification of microbial contaminants like bacteria (e.g., E. coli, Legionella), viruses, and protozoa to ensure water safety for consumption and industrial use.

- **PHYSICAL TESTING**

Evaluation of physical properties of water, including turbidity, color, temperature, and conductivity, which impact water treatment processes and usability.

- **ORGANIC COMPOUNDS TESTING**

Testing for the presence of volatile organic compounds (VOCs), pesticides, and other organic pollutants that may affect water quality and safety.

- **WATER QUALITY MONITORING**

Continuous monitoring and testing of water sources, including groundwater, surface water, and treated water, to ensure compliance with national and international standards.



2. ENVIRONMENTAL TESTING SERVICES

- **AIR QUALITY MONITORING**

Comprehensive analysis of air samples to detect and measure pollutants such as particulate matter (PM_{2.5}, PM₁₀), carbon monoxide (CO), sulfur dioxide (SO₂), nitrogen oxides (NO_x), and volatile organic compounds (VOCs).

- **NOISE POLLUTION ASSESSMENT**

Monitoring and evaluating environmental noise levels to ensure they are within acceptable limits as per regulatory standards.

- **SOIL AND SEDIMENT TESTING**

Analysis of soil and sediment samples to detect contaminants, assess fertility, and evaluate suitability for agriculture, construction, or environmental restoration.

- **ENVIRONMENTAL IMPACT ASSESSMENTS (EIA)**

Detailed assessments of the environmental impacts of industrial activities, construction projects, or other developments, including recommendations for mitigation measures.

- **WASTEWATER AND EFFLUENT TESTING**

Testing of wastewater and industrial effluents to ensure they meet environmental discharge standards, helping industries comply with regulatory requirements.



3. MATERIALS TESTING SERVICES

- **CONSTRUCTION MATERIALS TESTING**

Evaluation of the quality and performance of construction materials such as concrete, asphalt, steel, and aggregates, ensuring they meet required standards for strength, durability, and safety.

- **CORROSION TESTING**

Assessment of the susceptibility of metals and other materials to corrosion, critical for maintaining the longevity and safety of infrastructure and industrial equipment.

- **MECHANICAL PROPERTIES TESTING**

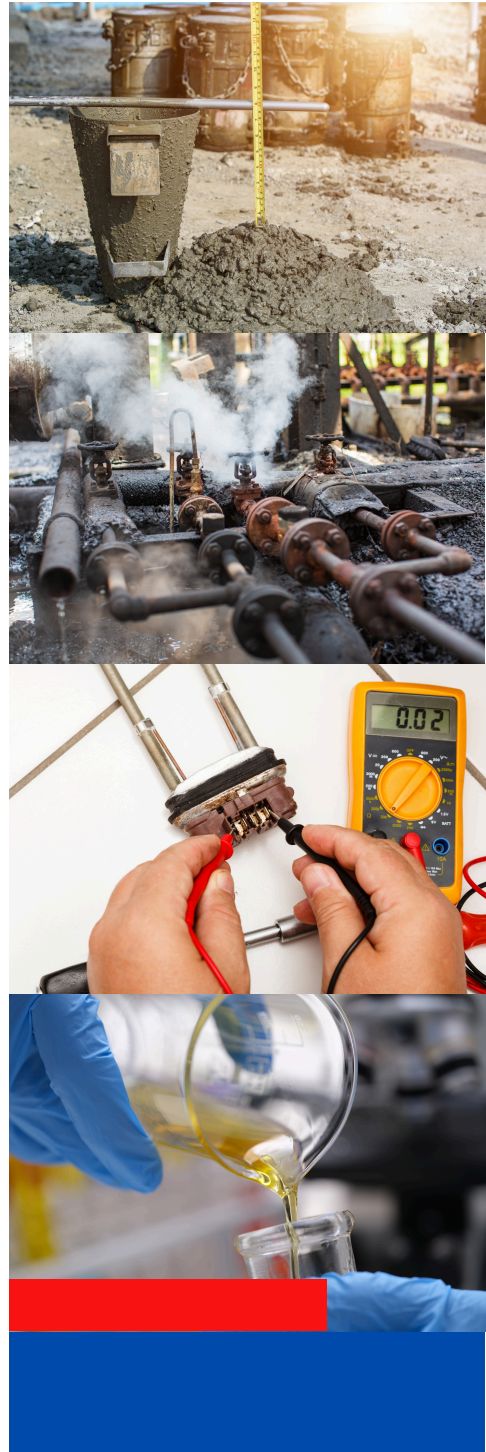
Measurement of tensile strength, compressive strength, elasticity, and other mechanical properties of materials used in construction and manufacturing.

- **CHEMICAL COMPOSITION ANALYSIS**

Determination of the elemental composition of materials to ensure they meet industry specifications and quality requirements.

- **FAILURE ANALYSIS AND FORENSIC TESTING**

Investigation of material failures in structures, products, or industrial components to identify causes and recommend corrective actions.



4. SOIL TESTING SERVICES

- **NUTRIENT ANALYSIS**

Determination of essential nutrients in soil samples, including nitrogen, phosphorus, potassium, and trace elements, to assess soil fertility and inform agricultural practices.

- **CONTAMINANT DETECTION**

Identification and quantification of soil contaminants such as heavy metals, pesticides, and hydrocarbons, which can affect land use and environmental health.

- **SOIL PHYSICAL PROPERTIES TESTING**

Analysis of soil structure, texture, compaction, and porosity, which are crucial for agricultural productivity, construction, and environmental management.

- **SOIL PH AND SALINITY TESTING**

Measurement of soil acidity/alkalinity and salinity levels, which impact crop growth, soil health, and land suitability for various uses.



5. CUSTOM AND SPECIALIZED TESTING

- **TAILORED TESTING SOLUTIONS**

Provision of customized testing services to meet the specific needs of clients, whether for unique contaminants, specialized conditions, or particular regulatory requirements.

- **RESEARCH AND DEVELOPMENT SUPPORT**

Assistance in the development of new products, processes, or technologies through specialized testing and analysis.

- **ON-SITE TESTING AND MONITORING**

Deployment of testing services directly at client sites for real-time analysis and monitoring of environmental or material conditions.

6. DATA ANALYSIS, AND CONSULTATION

- **DETAILED DATA ANALYSIS**

Comprehensive interpretation of test results, providing clients with actionable insights to improve processes, ensure compliance, or enhance product quality.

- **REGULATORY COMPLIANCE REPORTING**

Preparation of reports for submission to regulatory authorities, ensuring that clients meet all necessary environmental and safety standards.

- **EXPERT CONSULTATION**

Offering professional advice and recommendations based on test results, including remediation strategies, process optimization, and quality improvement.

7. INDUSTRY AND CLIENT FOCUS

- **TARGETED SECTORS**

Serving a broad range of industries including water treatment, construction, agriculture, oil and gas, manufacturing, and environmental management.

- **GOVERNMENT AND REGULATORY SUPPORT**

Providing essential testing services to government agencies to support public health, safety, and environmental conservation efforts.

- **PRIVATE SECTOR ENGAGEMENT**

Collaborating with private companies, research institutions, and consulting firms to deliver high-quality testing and analytical services tailored to their specific needs.

COMMITMENT TO QUALITY AND EXCELLENCE

Delma Al-Arabia Laboratory is committed to maintaining the highest standards of quality, accuracy, and reliability in all testing services. Our lab is equipped with state-of-the-art technology and staffed by experienced professionals dedicated to delivering results that our clients can trust. We continually invest in the latest methodologies and adhere to strict quality control procedures to ensure that our services meet international standards.

By providing a comprehensive scope of services, Delma Al-Arabia Laboratory plays a critical role in supporting sustainable development, environmental protection, and quality assurance across various sectors in Saudi Arabia.

OUR PARTNERS

TARGET MARKET

Our services cater to a diverse range of clients, including government agencies, construction companies, industrial facilities, agricultural enterprises, and environmental consultants. We also work with research institutions and private sector companies that require precise testing and analysis to support their operations.



شركة المياه الوطنية
National Water Company



مستشفى الملك خالد
التخصصي للعيون
King Khaled Eye
Specialist Hospital



KEY ACHIEVEMENTS

MILESTONES

- Successfully completed over 250 water and soil testing samples within only three months across Saudi Arabia.
- Established a state-of-the-art materials testing laboratory, recognized as one of the most advanced in the region.
- Expanded our services to include environmental impact assessments for major infrastructure projects, contributing to sustainable development in the region.

AWARDS AND CERTIFICATIONS

- ISO 17025:2017 accreditation for excellence in laboratory testing.
- Certified by the Saudi Standards, Metrology and Quality Organization (SASO) for compliance with national quality standards.

ISO 17025:2017



SUSTAINABILITY AND CORPORATE RESPONSIBILITY

ENVIRONMENTAL IMPACT

At Delma El-Arabia, we are deeply committed to sustainability. Our operations are designed to minimize environmental impact, and we actively participate in initiatives that promote water conservation, soil health, and pollution reduction. We believe that our work plays a vital role in protecting the environment for future generations.

COMMUNITY ENGAGEMENT

We engage with local communities through education and outreach programs focused on environmental awareness and sustainability practices. Our initiatives include workshops, school programs, and public awareness campaigns that aim to foster a culture of environmental responsibility.

FUTURE PLANS

EXPANSION GOALS

We are focused on expanding our operations across Saudi Arabia, with plans to open additional laboratory facilities in key locations. Our goal is to increase our capacity to serve more clients and provide even more specialized testing services.

INNOVATION

Our research and development team is constantly exploring new testing methodologies and technologies. We are particularly interested in integrating advanced data analytics and real-time monitoring systems into our testing services to provide clients with faster, more accurate results.



DELMA EL-ARABIA LABORATORIES

THANK YOU



CALL TO ACTION

For more information about our services or to request a consultation, please contact us at Email or visit our website.

We look forward to partnering with you to achieve your environmental and quality testing goals.



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**WE FEEL PRIDE
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