



Agri-food and environmental analysis laboratory

The future of our planet depends to a large extent on man's impact on nature. We must be able to control the risks that endanger life.



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INNOVATION

- > Implementation of the latest analytical technologies
- > Tests carried out using standardised methods
- > Development of new techniques
- > Continuous improvement

COMMITMENT

- > Quality
- > Speed
- > Impartiality
- > Confidentiality

SERVICE

- > Sampling management
- > Consultations and advice (technical and legislative)
- > Analysis and projects
- > Interpretation of results
- > Online operation with activity history

SERVICES



AGRI-FOOD ANALYSIS

- > Meat, fish, vegetables, dairy products and by-products, cereals, spices, oils, wines, juices, alcohols, etc.
- > Chemical and nutritional composition of foodstuffs
- > Pesticides and phytohormones in fruits, vegetables and other food products
- > Heavy metals, nitrates, nitrites and other contaminants
- > Chemical and microbiological safety of drinking water
- > Vitamins, organic acids, sugars, alcohols, fatty acids
- > Amino acids, histamine, NBVT
- > Mycotoxins, dyes



MICROBIOLOGICAL ANALYSIS

- > Risk and critical control points (HACCP)
- > Water microbiology
- > Environmental microbiological quality
- > Microbiological control in foodstuffs
- > Microbial contamination in soils, fertilisers and soil improvers
- > Legionella, E.Coli, Salmonella, Listeria, E.coli STEC
- > Algae
- > Molecular biology (PCR)



AGRONOMIC ANALYSIS

- > Fertility of soils, sludges and substrates
- > Irrigation water, nutrient solutions and drainage. Hydroponics
- > Foliar analysis and other nutritional indicators (fruit, flower, petiole, sap)
- > Turf fields (USGA)
- > Phytopathology (fungi, bacteria, viruses, nematodes)
- > Fertilisers and organic and inorganic amendments
- > Richness of formulations



INDUSTRIAL ANALYSIS

- > Refineries and distilleries
- > Biodiesel
- > Soils, sludges and contaminated substrates
- > Desalination plants
- > Sewage treatment plants
- > Pharmaceuticals and cosmetics
- > Boilers and cooling towers
- > Cold rooms



PUBLIC HEALTH

- > Control of chemical and biological agents
- > Drinking and bathing water
- > Hotels, restaurants and catering
- > Recreational facilities
- > Parks and garden



ENVIRONMENTAL ANALYSIS

- > Waste water, leachates and effluents
- > Marine and river environment
- > Contaminated soils, sludges and substrates
- > Sewage treatment plants
- > Urban, agricultural, livestock and industrial waste
- > Eligibility to landfill
- > Contamination by pesticides, heavy metals, PCBs
- > Hydrocarbons and Volatile Organic Compounds (VOCs)
- > Helminth eggs



ANALYSIS OF FERTILISERS, AMENDMENTS AND CHEMICALS

- > Richness in raw materials and formulations. Contaminants. Legislation
- > N:P:K: secondary nutrients and micronutrients.
- > Free and total amino acids
- > Pesticides and phytohormones
- > Chelates and complexes
- > Humic acids
- > Heavy metals, Salmonella and E.Coli (legislation)
- > Solubility studies
- > Physical characterisation of peats and substrates (porosity, density, permeability)

RESOURCES



PEOPLE

Biologists, chemists, engineers, graduates with different specialities. Ongoing training maintains and expands the technical competence of Fitosoil staff.



MATERIALS

In a permanent commitment to technological innovation, Fitosoil is equipped with the most advanced analytical instrumentation:

- > Spectroscopy of inductively coupled plasma (ICP-OES)
- > Mass spectrometry (ICP/MS)
- > UV-Vis spectrophotometry
- > Ion chromatography
- > Laser diffraction
- > Elemental analyser
- > Gas chromatography with various detectores
- > High performance liquid chromatography (HPLC)
- > Mass detectors
- > ELISA
- > PCR

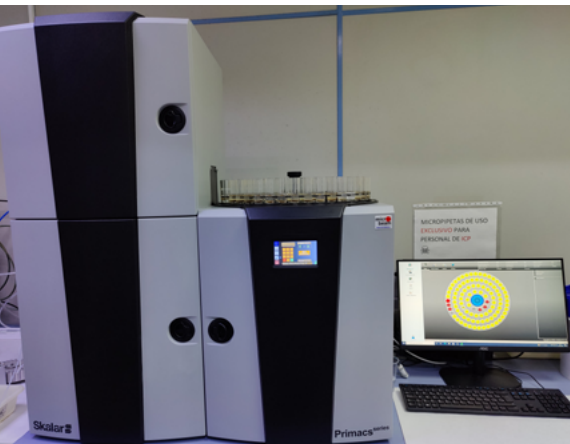
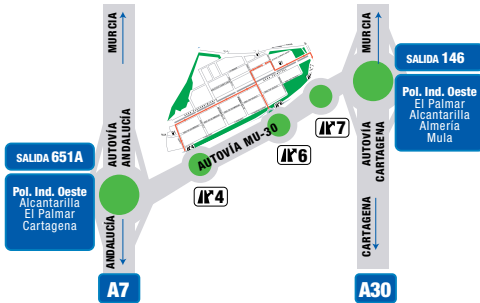
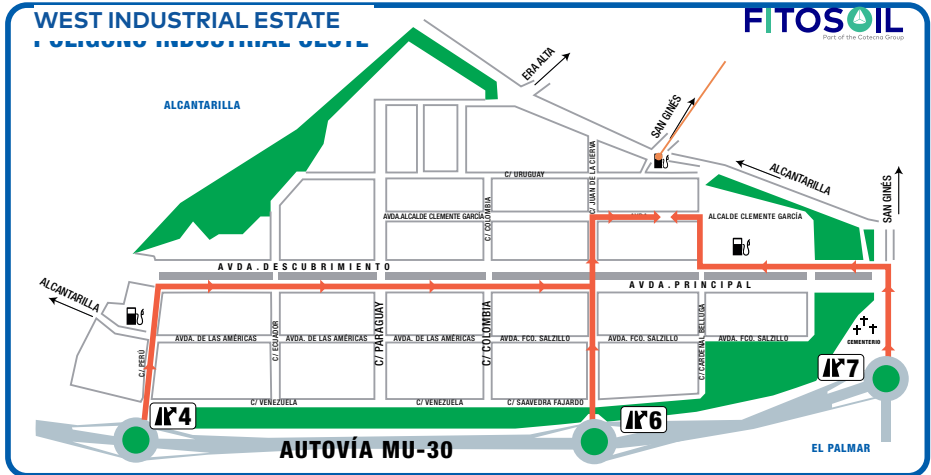
ACCREDITATIONS AND CERTIFICATIONS

Laboratory accredited by ENAC with accreditation N° 387/LE619 and N° 387/LE1330 - Laboratory registered in the General Directorate of Public Health of the Ministry of Health and Consumption in accordance with the provisions of Annex III, of the A. O. 140/2003 on drinking water - Recognised as a Public Health and Agri-Food Laboratory - Approved for the purposes of the analytical tests to be carried out in the processes of Integrated Production - Laboratory certified by QS - Collaborating entity of the water administration. ZERYA - Productions without Waste.

Where we are

GOOGLE MAPS COORDINATES: 37.953064, - 1.185248w

Latitude: 37° 57' N - Longitude: 1° 11' 6,46' W



Fitosoil is a private analytical laboratory staffed by a great team of professionals offering clients the most advanced analytical technology applied to the agri-food, environmental, industrial and health sectors. It is a member of the Cotecna Group, a leading worldwide provider of testing, inspection and certification services.

Continuous evolution, highly qualified personnel and high technology, organised under an accredited quality system, have made Fitosoil a reference laboratory since 1990.