

המעבדה לאנליטיקה ופיתוח סביבתי

מים, סביבה, מזון, חקלאות, פארמה
בראשות פרופ' דרור אבישר, אוניברסיטת תל אביב

Analyses all types of pollutants in aqueous segments

- Micro-pollutant (drug residues, plastic additives and flame retardants, pesticides...)
- Toxic metals
- Volatile pollutants (organic solvents, BTEX...)
- Oils and oil residues
- PFOS/PFAS, Nitrosoamines
- Every other chemical pollutant

Elementary analyses for water quality (drinking, effacity, wastewater, natural water bodies)

- Major ion notaries Physical parameters – pH/Conductivity/Redox/Dissolved oxygen...
- Quality testings – TOC, COD, BOD, NO₃/NO₂/NH₃...
- Halogens – chlorine, fluorine, bromine, iodine

FoodTech Analyses

- Aroma compounds, Taste and Smell
- amino acids
- sugars, vitamins
- Residues, additives and impurities (antibiotics, leakage from packaging materials, pesticides...)
- Reverse engineering analysis (determining compositions)

Agricultural, plants and soil analyses

- Pollutants Residues (organic micro-pollutants, metals)
- Pesticides and Herbicides
- Nutrients, Vitamins and Fragrances
- Color pigments
- Extracting unique plant compounds (active substances, Therapeutics)

Pharm and Medical Device analyses (without GMP or ISO certification)

- Detection and quantification active ingredients and excipients
- Discovering, identifying and tracking impurities and degradation products
- Reverse engineering for products
- Extractable & Leachable
- Quality tests and characterization of medical products that involve chemical activity
- Peptides analyses

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Various analyses for chemical industry and plastics

- Chemicals in final products
- chemical compositions analysis
- Residual compounds
- Reverse engineering

Other analyses in the areas of the environmental health

- Air and Gas
- Analysis biological matrixes (pollutants and natural materials in various organisms)
- Analyses in the marine environment
- Sludge analyses

Additional services

- Planning and carrying out work to characterize environmental products (e.g. various filters, wastewater treatment facilities and processes...)
- Analytical Methods development
- consulting and scientific accompaniment to projects
- products development - designing and building prototypes, executing POC and piloting products and processes in the fields of water and the environment