



Supercritical CO2 extraction

Application:

- Natural essence extraction
- Supplement production
- Edible oils extraction
- Decaffeination of tea and coffee
- Biological sample extraction

Benefits:

- No residual solvent in extract
- Non-toxic and environmental friendly solvent



Gas chromatography mass spectroscopy

Application:

- Qualitative and quantitative analysis of more than 150 pesticide in food and feed
- Essence profile detection
- Hygienic and detergent composition analysis
- Presevative detection and determination in food

Benefit:

- Latest laboratory version in pesticide analysis
- Using 30 and 100 m column with a wide range of polarity
- Using ecology mode to lower the consumption of mobile phase
- Programmable system along with the analysis





Gas chromatography - Flame ionization detector

Application:

- 37 components of fatty acid profile (saturated and unsaturated fatty acids)
- Phytosterols in dairy products
- Purity of organic compounds
- Quantitative analysis of essence and colors
- Phosphorous compounds analysis

Benefits:

- Using 30 and 100 m column with a wide range of polarity
- Contain split/splitless injection system
- Contain hydrogen generator system
- Contain autosampler system





High performance liquid chromatography with UV and FL detector

- Analysis of preservatives in hygienic products contain parabens
- Analysis of artificial colours in food and beverage

Benefits:

Quaternary pump
Isocratic and gradient elution modes
Degaser and uv-cell
Fluorescence and uv detectors

Application:

- Analysis of all mycotoxins contain aflatoxins B,G , ochratoxins, zearalenon, deoxynivalenol in food and feed
- Analysis of aflatoxin M1 in dairy products
- Analysis of preservatives in food contain benzoate and sorbate
- Analysis of sweeteners in food contain aspartam and acesulfame





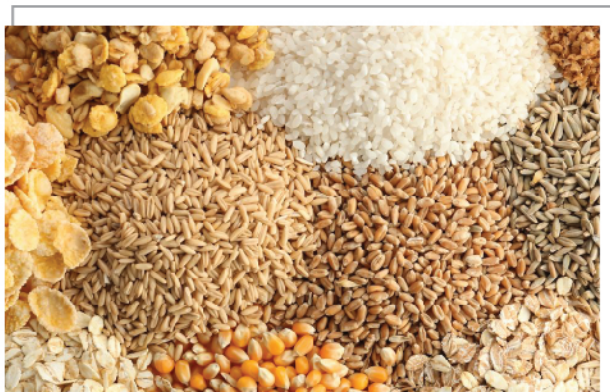
Atomic absorption spectroscopy

Application:

- Analysis of more than 20 elements contain heavymetal like lead (Pb), cadmium (Cd), mercury (Hg) and arsenic (As) in food, feed and hygienic product

Benefits:

- Using 3 atomisers contain flame, furnace and hydride
- Ability of using by absorbanve and emission modes
- Analysis by autosampler injection





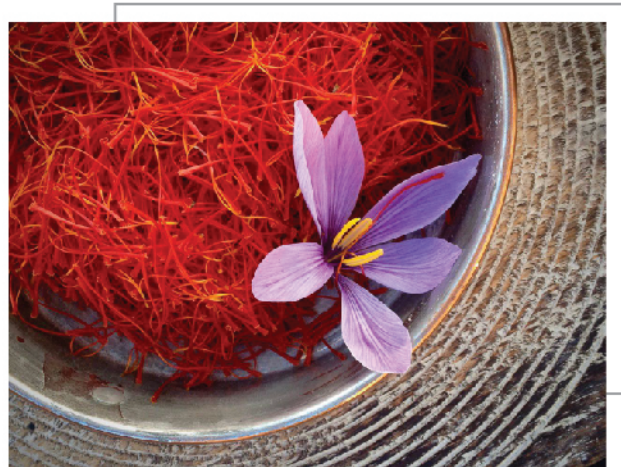
Spectrophotometer

Application:

- Analysis of preservative in food
- Analysis of pollutant in water
- Saffron classification

Benefit:

- Double beam application
- Quantitative analysis
- Selfcheck system



Classic laboratory

Physical, chemical and packaging analysis of food, feed, beverages, water and hygienic products contain protein, fat, moisture, ash, peroxide, carbohydrates and...

Microbial laboratory

All microbial analysis of food, feed, beverages, water and hygienic products contain microorganisms identification and total count, analysis of all strain of microorganisms, mold and yeast, sterilization test

Packing laboratory

All paper and cardboard analysis of food, feed, beverages and hygienic products packages

SO/IEC 17025 certification from national accreditation center of Iran
Acrodite laboratory of institute of standard and research of Iran
Acrodite laboratory of food and drug administration of Iran
Acrodite laboratory of Iran veterinary organization
Acrodite laboratory of Iran customs administration
ISO9001:2015 certification from DQS
GMP certification feom DQS
Knowledge enterprise laboratory
Prominent member of Iran high-tech laboratory network

