

# YONTUS<sup>®</sup>

— L I F E S C I E N C E S —

Pioneers in Quality Analysis



*Advanced Testing Lab for*

# Food & Water

About

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YONTUS Life Sciences Pvt. Ltd., established in April 2016 is recognized as a START-UP INDIA by the Department of Industrial Policy and Promotion. Over the years with a professional approach, diligence and honest services, we have grown and recognized by the industries delivering value and satisfaction to our customers. We offer analytical testing of products to individuals, traders, industries, co-operative sector, a Government undertaking, packers, institutions etc.

Furthermore, we are approved as training partner by National Career Services (NCS), Life Sciences Sector Skill Development Council (LSSSDC) and Andhra Pradesh Sector Skill Development Council (APSSDC). We abide by to the best practices in the Life Sciences by complying with the Good Laboratory Practices to meet the current Global Regulatory requirements.

## OUR ACCREDITATIONS



Why?

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- ✓ Yontus is a one-stop solution offering best-in-class testing services to our clients related to agro, food, water, drug and medical services sector.
- ✓ Yontus is an ultra-modern laboratory having highly sensitive equipment, state-of-art infrastructure with competent manpower to provide analytical techniques and testing methods of National and International standards to analyse in various test products.
- ✓ We offer regulatory compliance services, routine analysis, method development and comprehensive range of microbiological, physical & chemical testing services combined with industry-leading technical expertise and customer service.
- ✓ We follow standard test procedures from accredited bodies such as FSSAI, IS, BIS, ASTA, AOAC, APHA, BAM, ISO, IP, BP and other validated test methods developed by clients or by our qualified and certified staff to assure quality of our analytical services.
- ✓ Our laboratory undergoes regular performance quality checks by internal quality management audits. We continuously participate in Inter Laboratory Comparison (ILC), Proficiency Tests (PT) as well as customer audits.

# FOOD TESTING SERVICES

YONTUS provide food testing services to the customers concerned in Spices, Cereals and Oils etc., We satisfied to a wide range of customers, right from the farmers to consumers as well as domestic and international exporters. Our motto is to test and provide all the required certifications for the food products to the customers with honest and truthful results within the specified time.

## Our food testing services are mainly focused on:

- ✓ Spices (Chillies, Turmeric, Blended spices, etc.,)
- ✓ Cereal (Rice, Wheat, Food grains, Jawar, suji, etc.,)
- ✓ Animal (Fish, Prawn, Poultry) feed
- ✓ Bakery Products
- ✓ Oils & Fats (Edible, Vegetable, etc.,)
- ✓ Milk & milk products
- ✓ Nutritional Supplements
- ✓ Tea & Coffee and etc.,



## Our Specific Analysis in Food

### Contaminants / Residues

- ▶ Dyes (Sudan & other dyes)
- ▶ Aflatoxins B1,B2,G1,G2
- ▶ Ochratoxin
- ▶ Pesticide Residues
  - Organochlorine
  - Organophosphorus
  - Pyrethroids
  - Carbamates
  - Plant Growth Regulators
- ▶ Heavy metals
- ▶ Melamine
- ▶ Others

### Microbiological Analysis

- ▶ TPC
- ▶ Coliforms
- ▶ E.Coil
- ▶ Salmonella
- ▶ Yeast and Mould
- ▶ Staphylococcus aureus
- ▶ Enterobacteriaceae etc.,

### Physical & Chemical Analysis

- ▶ Moisture
- ▶ Colour value
- ▶ Capsaicin/Heat value
- ▶ Curcumin
- ▶ Total ash
- ▶ Acid insoluble ash
- ▶ Non-volatile ether extract
- ▶ Volatile oil
- ▶ Crude fiber
- ▶ Uric acid
- ▶ Gluten
- ▶ Vitamins
- ▶ Proteins
- ▶ Fatty Acids
- ▶ Cholestrol
- ▶ Amino acids
- ▶ Starch
- ▶ Refractive index
- ▶ Saponification value and many more...



# WATER TESTING SERVICES

Water testing is important for various industries including food and beverages, pharmaceuticals, health, and hospitality. YONTUS have world-class laboratory with superior technology and certified professionals provide highest quality water testing services for the customers to ensure the accuracy and reliability of test results within Turn-Around-Time.

## Our Capabilities:

- ✓ Water as per FSSAI
- ✓ Raw water (Surface / Ground)
- ✓ Drinking water as per IS:10500
- ✓ Packaged Drinking Water as per IS:14543
- ✓ Packged Natural Mineral Water as per IS:13428
- ✓ Sutability for Construction purpose as per IS:456
- ✓ Purified water as per the Indian Pharmacopoeia
- ✓ Irrigation water
- ✓ Water for Process / Treated food industry
- ✓ Water as per customer specifications



## Our Specific Analysis in Water

Yontus provide water testing includes multiple parameters for physical and chemical analysis, Pesticides Residues, Elemental Analysis and Microbiology testing services.

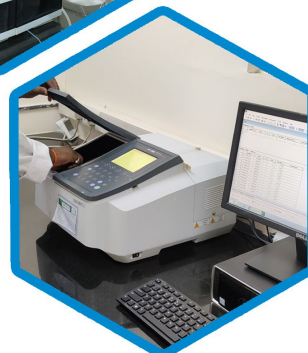
### Physical Analysis in water

- ▶ Colour
- ▶ Odour
- ▶ Turbidity
- ▶ pH
- ▶ Electrical Conductivity (EC)
- ▶ Total Dissolved Solids (TDS), etc.,



### Chemical Analysis in water

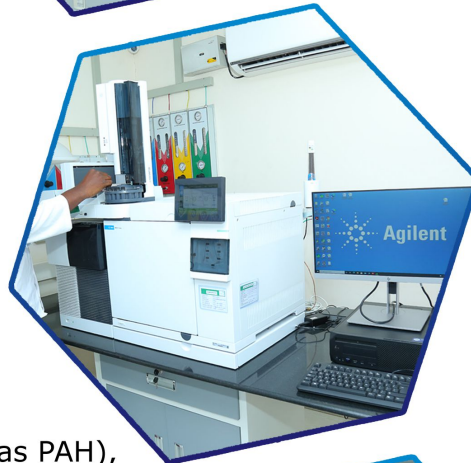
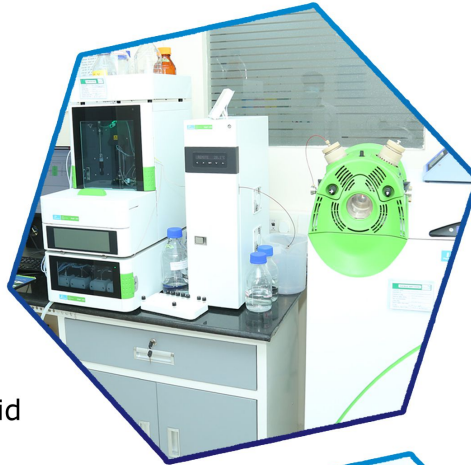
- ▶ Total hardness
- ▶ Total Suspended Solids
- ▶ Alkalinity
- ▶ Chloride
- ▶ Fluoride
- ▶ Sulphate
- ▶ Nitrate
- ▶ Sulfide
- ▶ Bromide
- ▶ Ammonium
- ▶ Potassium
- ▶ Cyanide etc.,



## Pesticide Residual Analysis in water:

It is done by most sensitive analytical technology of Gas Chromatography – Mass Spectrometry (GC-MS/MS) and Liquid Chromatography–Mass Spectrometry (LC-MS/MS).

- ▶ Alachlor
- ▶ Atrazine
- ▶ Aldrin/Dieldrin
- ▶ Alpha HCH
- ▶ Beta HCH
- ▶ Butachlor
- ▶ Chlorpyrifos
- ▶ Delta HCH
- ▶ 2,4- Dichlorophenoxyacetic acid
- ▶ DDT
- ▶ Endosulfan
- ▶ Ethion
- ▶ Gamma HCH
- ▶ Malathion
- ▶ Methyl parathion
- ▶ Monocrotophos
- ▶ Phorate
- ▶ Polychlorinated biphenyls, (as PCB)
- ▶ Polynuclear aromatic hydrocarbons (as PAH),
- ▶ Trihalomethanes



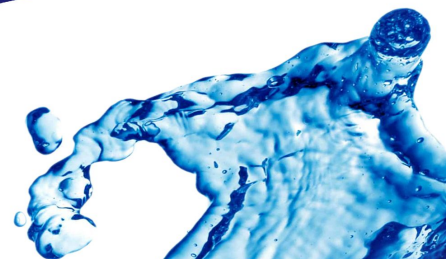
## Elemental Analysis in water:

Inductively coupled plasma-mass spectrometry (ICP-MS), is best instrument for elemental analysis.

- ▶ Aluminum (Al)
- ▶ Arsenic (As)
- ▶ Boron (B)
- ▶ Barium (Ba)
- ▶ Calcium (Ca)
- ▶ Cadmium (Cd)
- ▶ Chromium (Cr 6+)
- ▶ Copper (Cu)
- ▶ Iron (Fe)
- ▶ Lead (Pb)
- ▶ Manganese (Mn)
- ▶ Magnesium (Mg)
- ▶ Mercury (Hg)
- ▶ Molybdenum (Mo)
- ▶ Nickel (Ni)
- ▶ Selenium (Se)
- ▶ Silver (Ag)
- ▶ Zinc (Zn)

## Microbiological Analysis in water

- ▶ Aerobic microbial count / Total Plate count
- ▶ Escherichia coli
- ▶ Coliform bacteria
- ▶ Faecal Streptococci and Staphylococcus aureus
- ▶ Salmonella Typhi
- ▶ Shigella
- ▶ Sulphite Reducing Anaerobes
- ▶ Pseudomonas Aeruginosa
- ▶ Yeast and mold
- ▶ Vibrio Cholera and Vibrio Parahaemolyticus



# Our Services

Food Testing



Water Testing



Drug Testing



Medical Testing



Training

\* Please enquire for more information about additional tests we perform that may not be listed in this brochure.



Pioneers in Quality Analysis

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