



Laboratory and Environment Solution



LABORATORY AND ENVIRONMENTAL ANALYSIS

ONE-STOP SOLUTION

BrodSpec provides complete Analytical Laboratory Setup solution on turn key basis. We are a team of technocrats, striving for the success of our customers.

Deep understanding and knowledge of major high-end analytical technologies including Chromatography, Spectroscopy (Molecular and Inorganic), Mass Spectrometry, Thermal Analysis, Electrochemical Analysis, Physical Property Measurements (Density, Viscosity/Rheology, Refractive Index, Optical Rotation—Polarimetry, etc.) makes us a reliable partner for all your laboratory needs.

ONLINE ANALYZERS

- Online Effluent/ waste water analysis (COD, BOD, TSS, pH, Ammonia, Nitrites, TN, Phosphates, TOC, Chloride, Turbidity, Color, Conductivity, Oxygen, etc.)
- Online Emission/Process Gas and Bio Gas Analyzer, provides fast measurements of a wide range of pollutants such as ammonia, hydrogen sulphide, nitric oxide, sulphur dioxide, nitrogen dioxide, mercaptans, BTX, etc.
- Online Ambient Air Quality Monitoring System (AAQMS) is Capable to monitor PM1, PM2.5, PM10, CO, CO₂, SO₂, NO, NO₂, O₃, UV Radiation, Light Intensity, Noise, Temperature, Humidity, Wind Speed, Wind Direction, Rainfall, Flood Monitoring, etc. It also offers real time Odour Emission Tracking. It Measures and Monitors CO, H₂S, CH₄, CH₂O, NO, NO₂, SO₂, NH₃, PID-TVOC, etc.

PORTABLE/ BENCHTOP ANALYZERS

- UV Visible Spectrophotometer
- Portable Photometer for COD
- Automated COD Analyzer, COD Digester
- Pre-filled COD tubes
- COD/TOC Standards
- Automated BOD Analyzer, BOD Reagents, BOD Bottles
- Automated Chemistry Analyzer
- Portable Single and Multi Parameter Meters for pH, Conductivity, ORP, TDS, Salt, Turbidity, etc.
- Oil content analyzer.



ANALYTICAL INSTRUMENTS

NEW AND REFURBISHED / USED ANALYTICAL INSTRUMENTS:

- GC / GC-MS, HPLC, AAS, ICP-OES, ICP-MS, CHNS-O/ CNS-Cl Analyzer, UV Vis., FTIR, Refractometer, Polarimeter, Viscometer, Rheometer, etc. (Buy and Sell)
- AMC, Spares and Consumables.



BASIC LABORATORY INSTRUMENTS

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| <ul style="list-style-type: none"> • pH Meters, • Weighing Balances, • Laboratory Glassware • Oven/ Incubators • Stability Chambers • Nitrogen Evaporator/ Concentrator • Muffle Furnace • Moisture Balance • Oil free Air Compressors • Vacuum Pumps • Chillers • Vacuum Rotary Evaporators | <ul style="list-style-type: none"> • Orbital Shaker Evaporator • Distillation System with high separation efficiency • Solvent recovery system for all kind of solvents like acetone, DMF, THF, Paraffin, Xylenes, Alcohol's, Acetonitrile, Iso-octane, Hexane, Methyl Chloride and other HPLC solvents. • Flash Point Tester • Pour/ Cloud Point Tester • Laboratory Water Purification Systems |
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ACCESSORIES, SPARES AND CONSUMABLES

CHROMATOGRAPHY

- Gas Purification Panel, Tubing
- Gas Cylinders, Regulators, Manifold
- Septa, Syringes, Ferrules, Auto Sampler Vials, etc.
- GC Columns
- HPLC Columns



ACCESSORIES, SPARES AND CONSUMABLES

INORGANIC SPECTROSCOPY (AAS, ICP-OES, ICP-MS)

- Exhaust System (Fume Hood) for AAS, ICP-OES and ICP-MS
- Sample Introduction Systems (Torch, Nebulizer, Spray Chambers, etc.) for all leading brands.
- Single / Multi Elements and Custom Standards
- Graphite Furnace Tubes
- High Purity Acids & Reagents
- Hollow Cathode Lamps
- Quartz Cells
- Peristaltic Pump Tubing
- Sampler and Skimmer Cones (ICP-MS)



TOC ANALYZER

- Combustion Tube
- CO2 Absorber
- Halogen Scrubber
- Catalyst
- TOC Certified Standards for SST



XRF SUPPLIES

- Fusion Fluxes
- Presses
- Sample Caps and Cells
- XRF Thin Films



CHNS/O

- Combustion Tube
- Catalyst
- Sample Crucibles
- Calibration Standards
- Spares



THERMAL ANALYZERS (DSC, TGA)

- Sampling Pans
- Crucibles
- Spares
- Standards

OIL STANDARDS

- Metallo-Organic Standards
- Custom Standards in Oil
- Sulfur and Chlorine in Oil Standards
- TAN and TBN Standards
- Viscosity Standards

GLASSWARE



PLASTICWARE



RESEARCH CHEMICALS



LABORATORY CHEMICALS



PERSONAL PROTECTION EQUIPMENT



TURN KEY LABORATORY SETUP PROJECTS

Complete Laboratory Setup Solution

BrodSpec provides complete Analytical Laboratory Setup solution on turn key basis.

Our services includes Layout designing, Procurement, Training, consultancy and laboratory operation on turn key basis.

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