

## ANALYTICAL EXCELLENCE

for Pharma, Chemical,  
& Petrochemical Industries



PHARMACEUTICAL | CHEMICAL | PRINTING INK  
PETROCHEMICAL | INDUSTRIES

 [www.kanseisol.com](http://www.kanseisol.com) |  +91-62326 12191

 [gurgaonlab@kanseisol.com](mailto:gurgaonlab@kanseisol.com) | [hyd@kanseisol.com](mailto:hyd@kanseisol.com) | [chennai@kanseisol.com](mailto:chennai@kanseisol.com)

 [blr@kanseisol.com](mailto:blr@kanseisol.com) | [blr@kansesisol.com](mailto:blr@kansesisol.com)



## EXPERTISE

Our team has extensive experience in providing tailored, non-routine analytical solutions to support pharmaceutical research and development, Chemical, Printing Ink and petrochemical industries. The **Kansei Analytical** Laboratory, has India, Japan and Australia's leading analytical testing expertise. It uniquely combines the knowledge and resources of research institute with the capacity to accommodate academic and commercial research and projects from within and outside of India, Japan and Australia. Our Platform operates a Quality Management System (certified to ISO 9001) with regular verification of instrument performance.

# State-of-the-Art Analytical Instrumentation

## HPLC

- High-Performance Liquid Chromatography
- Precise separation and quantification
- Purity and composition analysis
- Method development for complex mixtures



## GC-MS

- Sensitive detection of volatile & semi-volatile compounds
- Trace level impurity identification
- Odor and flavor profiling



## LC-MS, MS

- Ultra-sensitive molecular identification
- Detailed impurity profiling
- High-throughput metabolic analysis
- High-throughput metabolic analysis



## ICP-MS

- Trace elemental analysis
- Heavy metals & trace elements quantification
- Environmental & product safety compliance



**YOUR PARTNER IN ANALYTICAL EXCELLENCE**

 [www.kanseisol.com](http://www.kanseisol.com) |  +91-62326 12191 |  [Hfo@kanseisol.com](mailto:Hfo@kanseisol.com)

 [gurgaonlab@kanseisol.com](mailto:gurgaonlab@kanseisol.com) | [hyd@kanseisol.com](mailto:hyd@kanseisol.com) | [chenna@kanseisol.com](mailto:chenna@kanseisol.com) | [blr@kanseisol.com](mailto:blr@kanseisol.com)

# Capability

Customized Analytical Solutions for the Pharma, Chemical, Printing Ink & Petrochemical Industries.

Have water in your analysis, total carbon, DRE, and significant carbon adding & Sulfur: Environmental typalims.



## Nutritional Testing

- Cholesterol
- Protein
- Fromins
- Mono, Polly, Unsaturated & Saturated Fats
- Total Carbohydrates
- Total Dietary Fibre
- Gluten
- Vitamins
- Vitamins

**ONE**  
**STOP HUB**



**Preclinical Solutions**



## Chemical / Petrochemical

- Hydrocarbon Analysis
- VOC & SVOC Analysis
- MOSH / MOAH Analysis
- Ethane Volatilen atdlysis.
- Ieviroremical Resilyuis
- Polity & Stadne Flaton
- Houde Aromard Flavortlements
- Purity and Ppathing Profiling\*

**YOUR PARTNER IN ANALYTICAL EXCELLENCE**



[www.kanseisol.com](http://www.kanseisol.com)



+91-62326 12191



[hvd@kanseisol.com](mailto:hvd@kanseisol.com)

# CAPABILITIES

1. Nutritional Testing
2. Food Safety
3. Chemical / Petrochemical



## Nutritional Testing

Our highly experienced scientists are experts in their chosen fields. They can quickly and accurately determine the nutritional value of your product. The nutritional profiling provided by **Kansei Analytical** can check your food product claims with the facts and keep consumers in the know. **Kansei Analytical** will help you meet rigorous regulatory codes and mandatory food standards, and comply with all of the India, Japan and Australian and International quality control and labeling requirements.

Test Capabilities:

- ✓ Nutritional Panels
- ✓ Cholesterol
- ✓ Gluten
- ✓ Protein
- ✓ Vitamins
- ✓ Mono,
- ✓ Poly, Unsaturated & Saturated Fats
- ✓ Total Carbohydrates
- ✓ Total Dietary Fibre
- ✓ Total Energy

- ✓ Sodium, Calcium & Potassium

## Food Safety

**Kansei Analytical** Solution can test for a large range of pesticides, heavy metals, mycotoxins and allergens for the food manufacturing industry. This is now combined with our ISO accredited microbiological testing laboratory. All of these services in one laboratory enables customers to meet strict compliance and quality assurance requirements.

Test Capabilities:

- ✓ Chemical Residues
- ✓ Heavy Metals
- ✓ Mycotoxins
- ✓ Herbicides / Insecticides



- ✓ Allergens
- ✓ Services:
  - Extensive technical support for result interpretation to meet food safety and labelling requirements
  - Broad scope of ISO and NATA accredited methods
  - Monitored service times
  - Customised reporting
- ✓ Microbiological Analysis
  - E.coli & Coliforms
  - Total Plate Count
  - Yeast & Mould
  - Salmonella
  - 
  - Bacillus cereus
  - Coagulative positive Staphylococci



## Chemical / Petrochemical

**Kansei Analytical Solution** provides comprehensive analytical testing services for the Chemical and Petrochemical industry. Our laboratory supports manufacturers, importers, exporters, and formulators in meeting stringent regulatory, quality, safety, and environmental compliance requirements. With advanced instrumentation and ISO-accredited methods, we deliver reliable, traceable, and regulatory-compliant results across raw materials, intermediates, and finished products.

Test Capabilities:

- ✓ **Hydrocarbon Analysis:** Comprehensive qualitative and quantitative analysis of aliphatic, aromatic, and cyclic hydrocarbons to determine composition, purity, and performance suitability for petrochemical applications.
- ✓ **VOC & SVOC Analysis:** Detection and quantification of volatile and semi-volatile organic compounds to support product safety, environmental compliance, and emission control requirements.
- ✓ **MOSH / MOAH Analysis:** Accurate determination of Mineral Oil Saturated Hydrocarbons (MOSH) and Mineral Oil Aromatic Hydrocarbons (MOAH) in raw materials and finished products to assess contamination risk.
- ✓ **PAH (Polycyclic Aromatic Hydrocarbons):** Sensitive screening and quantification of PAHs to ensure compliance with environmental and product safety standards.
- ✓ **PVC & Phthalates Testing:** Identification and quantification of plasticizers and polymer content to evaluate regulatory conformity and product safety.
- ✓ **Heavy Metals & Trace Elements:** Multi-element analysis using advanced ICP techniques to detect toxic metals and trace impurities at ppm/ppb levels.
- ✓ **Residual Solvent Analysis:** Determination of residual organic solvents in accordance with product specifications and safety limits.

- ✓ **Purity & Impurity Profiling:** Comprehensive impurity profiling using GC-MS and LC-MS/MS to characterize unknown compounds and ensure product integrity.
- ✓ **Additives & Stabilizers Analysis:** Quantification and identification of antioxidants, UV stabilizers, inhibitors, and processing aids to verify formulation compliance.
- ✓ **Flash Point & Physical Property Testing:** Assessment of flammability, density, viscosity, and related physical parameters critical for safe handling and transport.
- ✓ **Water Content (Karl Fischer) :** Accurate determination of moisture levels to ensure stability, shelf life, and process efficiency.
- ✓ **Sulphur & Nitrogen Content:** Measurement of Sulphur and nitrogen compounds to support environmental and fuel quality compliance.
- ✓ **GC-MS / LC-MS/MS Screening:** Advanced chromatographic screening for targeted and non-targeted compound identification with high sensitivity and specificity.
- ✓ **ICP-MS Elemental Analysis:** Ultra-trace elemental analysis for compliance monitoring and contamination assessment.
- ✓ **Migration Testing (Packaging & Contact Materials) :** Evaluation of chemical migration from packaging materials into products under defined storage and usage conditions.
- ✓ **POP (Persistent Organic Pollutants) Analysis:** Detection of long-lasting environmental contaminants to ensure product and environmental safety compliance.
- ✓ **Services:**
  - Extensive technical support for regulatory compliance (REACH, SVHC, EU directives, FDA, BIS, ISO)
  - Risk-based contaminant profiling
  - Material characterization and specification development
  - Failure analysis & contamination investigation
  - Stability studies and storage condition assessment
  - Method development and validation
  - Broad scope of ISO-accredited analytical methods
  - Monitored service timelines
  - Customized reporting formats (COA, COC, regulatory submission-ready data)
- ✓ **Regulatory & Compliance Support:**
  - EU REACH & SVHC Screening
  - India REACH Compliance
  - GHS Classification Support
  - SDS (Safety Data Sheet) Analytical Support
  - ECHA Submission Support
  - Environmental compliance testing
  - Import / Export compliance documentation

# State-of-the-Art Analytical Instrumentation

## HPLC

- High-Performance Liquid Chromatography
- Precise separation and quantification
- Purity and composition analysis
- Method development for complex mixtures



## GC-MS

- Sensitive detection of volatile & semi-volatile compounds
- Trace level impurity identification
- Odor and flavor profiling



## LC-MS, MS

- Ultra-sensitive molecular identification
- Detailed impurity profiling
- High-throughput metabolic analysis
- High-throughput metabolic analysis



## ICP-MS

- Trace elemental analysis
- Heavy metals & trace elements quantification
- Environmental & product safety compliance



**YOUR PARTNER IN ANALYTICAL EXCELLENCE**

 [www.kanseisol.com](http://www.kanseisol.com) |  +91-62326 12191 |  [Hfo@kanseisol.com](mailto:Hfo@kanseisol.com)

 [gurgaonlab@kanseisol.com](mailto:gurgaonlab@kanseisol.com) | [hyd@kanseisol.com](mailto:hyd@kanseisol.com) | [chennai@kanseisol.com](mailto:chennai@kanseisol.com) | [blr@kanseisol.com](mailto:blr@kanseisol.com)

# Printing Ink

## Analytical Testing Services

Compliant with Regulatory Standards



- ✓ Hydrocarbon Analysis
- ✓ VOC & SVOC Analysis
- ✓ MOSH / MOAH Analysis
- ✓ PAH (Polycyclic Aromatic Hydrocarbons)
- ✓ PVC & Phthalates Testing
- ✓ Heavy Metals & Trace Elements
- ✓ Residual Solvent Analysis
- ✓ Purity & Impurity Profiling
- ✓ Additives & Stabilizers Analysis
- ✓ Heavy Metals & Trace Elements
- ✓ Residual Solvent Analysis
- ✓ Purity & Impurity Profiling
- ✓ Additives & Stabilizers Analysis
- ✓ Flash Point & Physical Property Testing
- ✓ Water Content (Karl Fischer)
- ✓ Sulphur & Nitrogen Content
- ✓ GC-MS / LC-MS/MS Screening
- ✓ ICP-MS Elemental Analysis



 [www.kanseisol.com](http://www.kanseisol.com) |  +91-62326 12191 |  [Hro@kanseisol.com](mailto:Hro@kanseisol.com)

 [gurgaoniab@kanseisol.com](mailto:gurgaoniab@kanseisol.com) | [hyd@kanseisol.com](mailto:hyd@kanseisol.com) | [chennai@kanseisol.com](mailto:chennai@kanseisol.com)

 [bir@kanseisol.com](mailto:bir@kanseisol.com) | [bir@kanseisol.com](mailto:bir@kanseisol.com)



**Generic  
Pharma**



**NCEs**  
New Chemical Entities



**Biologics**



**Medical Devices**



**Speciality  
Chemicals**



**Method Development  
& Validations**



**Extractables & Leachables**



**Microbiological Testing**



**Stability Studies**



**Biowaiver Studies**



**Physical Characterization**

## Specializations



- Extractables & leachable
- Glass delamination
- Ink and gum migration
- Method development G validation
- IVRTG IVPT
- Impurity profiling studies
- Dissolution profiling
- Genotox impurities
- Pepsin enzyme activity
- Elemental Analysis
- *In vitro* microbial kill rate studies
- *In vitro* bioequivalence (BE) studies
- Physical characterization (XRD, DSC, TGA, PSD)
- Nasogastric studies
- SEM analysis
- Disinfectant efficacy studies
- Bovine serum albumin studies
- Human serum albumin studies

## Routine Services



- Pharmacopoeia testing (IP/USP/BP/EP/JP)
- Release testing, COA
- Water testing as per USP/BP/EP/IP
- Raw material analysis
- Excipient analysis
- Osmolality
- Elemental analysis by AAS
- **Microbiology:** MLT, BET, AET, sterility, environmental monitoring, water testing as per regulatory requirement, method development G validation
- Water content
- Liquid particle count
- SOR

## Stability Studies



- Clinical stability
- Developmental stability
- Follow-up stability studies
- Registration stability studies
- Transport stability studies
- Freeze thaw cycling stability studies
- Photo stability studies



### Customer Specific Contract Labs

- An extension of customer's own facility
- Dedicated lab space, equipment, manpower
- Co-management
- Infrastructure for round the clock operations
- Full Time Equivalent (FTE) model
- Fee For Service (FFS) model

## Facilities & Technologies

- Modern analytical laboratory spaces
- Validated Laboratory Information Management System (LIMS) for sample tracking and results reporting
- Large number of cold rooms dedicated for samples custody before, during and after analysis
- Large stability storage capacities for conducting stability studies

## Instrumentation

- |                                |                    |                             |
|--------------------------------|--------------------|-----------------------------|
| • HPLC – UV, PDA, RI, FL, ELSD | • LC – MS/MS       | • Particle counter          |
| • Prep –HPLC                   | • LC Q TOF         | • FTIR, Near IR             |
| • UPLC UV-VIS PDA              | • LC MS Triple TOF | • DNA sequencer             |
| • UHPLC UV-VIS PDA             | • CHNS             | • qPCR                      |
| • GC – FID, TC, MS             | • IC               | • Capillary electrophoresis |
| • GC –HS                       | • DSC              | • i3X multimode reader      |
| • GC –MS/MS                    | • TGA              | • Particulate maNer tester  |
| • GC MS –TOF                   | • pXRD             | • ICP MS                    |
| • GC-MS                        | • FT RAMAN         | • ICP OES                   |
| • LC MS – TOF                  | • SEM              | • AAS                       |
| • HRGCMS                       | • PSD              | • Dissolution I, II, IV     |

## Quality Management System

An independent quality assurance unit comprising of trained and experienced professionals with analytical, quality assurance and regulatory compliance expertise is committed to Kansei Analytical's Quality Management System through :

- Compliance to cGMP and ISO/IEC 17025:2005 requirements and ICH guidelines
- Strong induction and continuous training programs
- Routine process audits, internal quality audits and continuous improvements

## Accreditations, Licenses & Approvals

**Kansei Analytical** is routinely and successfully inspected by regulatory and accreditation authorities. Kansei Analytical is also audited by several customers every year. As a part of its commitment to continuous improvement external audits are actively encouraged by Kansei Analytical.



# ANALYTICAL EXCELLENCE

for Pharma, Chemical,  
& Petrochemical Industries



PHARMACEUTICAL | CHEMICAL | PRINTING INK  
PETROCHEMICAL | INDUSTRIES

 [www.kanseisol.com](http://www.kanseisol.com) |  +91-62326 12191

 [gurgaonlab@kanseisol.com](mailto:gurgaonlab@kanseisol.com) | [hyd@kanseisol.com](mailto:hyd@kanseisol.com) | [chennai@kanseisol.com](mailto:chennai@kanseisol.com)

 [blr@kanseisol.com](mailto:blr@kanseisol.com) | [blr@kansesisol.com](mailto:blr@kansesisol.com)