

Laboratory Services

**A trusted provider of
environmental testing services**





Analytical Testing Laboratory

Specialised in environmental testing.



Trade Effluent

For NEA & PUB
discharge limit
control
parameters



Process & Clean Water

Boiler water, steam,
condensate and
demineralised water

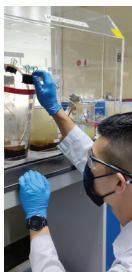


Wastewater

Wastewater
control
parameters

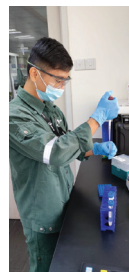
Research & Development Laboratory

Equipped to conduct treatability assessments of different types of wastewater, as well as cost-optimisation and troubleshooting studies to improve plant efficiencies.



Wastewater Treatability Studies

- Overall treatability assessment of wastewater
- Biodegradability rate of wastewater
- Simulation of treatment processes
- Impact assessment on existing treatment facilities
- Projection of treatment performance and treatment costs



Process Troubleshooting & Optimisation

- Biological system monitoring
- Early toxicity detection
- Process optimization projects

What We Offer



Analytical Services



Comprehensive Testing



Test Reports

Water-related Testing

Our testing parameters cover a wide range of components. We conduct detailed tests and measurements to provide a comprehensive report.

Aggregate Organic Constituents

Biological Oxygen Demand (BOD)	Oil & Grease (HC & non-HC),	Surfactant – Non ionic
Chemical Oxygen Demand (COD)	Phenolic Compounds (as Phenol)	(as MBAS)
Cyanide (as CN)	Surfactant – Anionic Surfactant –	Total Organic Carbon (TOC)
Oil & Grease (Total)	Cationic	

Physical & Aggregate Properties

Colour (Hazen units)	Specific Oxygen Uptake Rate (SOUR)
Conductivity	Total Dissolved Solids (TDS)
Mixed Liquid Suspended Solids (MLSS)	Total Hardness (TH)
Mixed Liquid Volatile Suspended Solids (MLVSS)	Total Suspended Solids (TSS)
Oxygen Uptake Rate (OUR)	Turbidity (NTU)
pH Value	Volatile Fatty Acid (VFA)
Total Alkalinity	Volatile Suspended Solids

Non-Metallic Constituents & Chemical Contaminants

Ammonia (NH ₃ -N)	Total Kjeldahl Nitrogen (TKN)	Bromide (as Br)
Ammonia (NH ₃ -N) (Distillation)	Total Phosphorus (as P)	Nitrate (as NO ₃)
Silica (as SiO ₂)	Fluoride (as F)	Phosphate (as PO ₄)
Sulphide (as S ²⁻)	Chloride (as Cl)	Sulphate (as SO ₄)
Total Nitrogen	Nitrite (NO ₂)	Chlorine (Free)

Metal Elements

Aluminum (as Al)	Chromium (as Cr)	Selenium (as Se)
Arsenic (as As)	Iron (as Fe)	Silver (as Ag)
Barium (as Ba)	Lead (as Pb)	Sodium (as Na)
Beryllium (as Be)	Magnesium (as Mg)	Strontium (as Sr)
Boron (as B)	Manganese (as Mn)	Tin (as Sn)
Cadmium (as Cd)	Mercury (as Hg)	Zinc (as Zn)
Calcium (as Ca)	Molybdenum (as Mo)	
Copper (as Cu)	Nickel (as Ni)	



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