

**Industrial Testing Laboratory & Consulting House
Ghalori Gate Patiala, Punjab.**

**TESTING CHARGES
CHEMICAL, BIOCHEMICAL AND ENVIRONMENTAL ANALYSIS**

A. WATER / WASTEWATER

| S. No. | Test /Analysis | (Rs./sample) |
|---------------|--|---------------------|
| 1. | Acidity | 300 |
| 2. | Alkalinity (Phenolphthalein) | 300 |
| 3. | Alkalinity (Methyl orange) | 300 |
| 4. | Ammonical Nitrogen | 600 |
| 5. | BOD & COD (both) | 1500 |
| 6. | COD | 750 |
| 7. | Calcium | 500 |
| 8. | Chloride | 500 |
| 9. | Sulfide | 500 |
| 10. | Chlorine (Residual) | 300 |
| 11. | Chlorine Demand | 750 |
| 12. | Conductivity | 300 |
| 13. | Salinity | 400 |
| 14. | Cyanide (by Ion Analyzer) | 600 |
| 15. | Dissolved oxygen (D.O.) | 400 |
| 16. | Fluoride | 600 |
| 17. | Magnesium | 500 |
| 18. | Metals (by AAS) Zn, Ar, Cu, Fe, Pb, Cd, Mg, B, Ni, Ag, | 600 per metal |
| 19. | Metals (Hg) | 500 |
| 20. | Metal (As, Se) | 500 each |
| 21. | Free Ammonia | 600 |
| 22. | Nitrate (by Ion Analyzer) | 600 |
| 23. | Nitrite (Spectrophotometrically) | 600 |
| 24. | Oil & grease | 600 |
| 25. | pH | 150 |
| 26. | (A) Organochlorine Pesticides by GC (upto 8 compounds) (B) PAH (Poly Aromatic Hydrocarbon) by GC | 10000 5000 |
| 27. | Phenolic compounds (Spectrophotometrically) | 750 |
| 28. | Hardness (Total, Permanent, Temporary, Calcium, Magnesium) | 300 each |
| 29. | Phosphate | 600 |
| 30. | Sulphates | 500 |
| 31. | Sludge volume index | 1000 |
| 32. | Settled sludge volume (flocculation test) | 500 |
| 33. | Total dissolved solid | 400 |
| 34. | Total suspended solid | 500 |
| 35. | Total volatile solid | 500 |
| 36. | Total Solids | 500 |
| 37. | Odour/Taste | 150 each |
| 38. | Temperature | 150 |
| 39. | Turbidity | 300 |
| 40. | Total Kjeldahl Nitrogen | 1200 |
| 41. | Total Chromium | 500 |
| 42. | Chromium Hexavalent | 500 |
| 43. | Toxicity assay (bio-assay) | 2500 |
| 44. | Volatile fatty acids (Titration method) | 400 |

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| | | |
|-----|--------------------------------------|------|
| 45. | MLSS | 500 |
| 46. | MLVSS | 500 |
| 47. | Boron (Spectrophotometrically) | 600 |
| 48. | Chlorophyll (Spectrophotometrically) | 1000 |
| 49. | Carbon dioxide | 500 |
| 50. | Sodium Absorption Ratio (SAR) | 1800 |
| 51. | Residual Sodium Carbonate (RSC) | 1600 |
| 52. | Silica (in ppm level) | 600 |

B. MICROBIOLOGICAL PARAMETERS

| S. No. | Test /Analysis | (Rs./sample) |
|--------|-------------------------------|--------------|
| 1. | Coliform | 1000 |
| 2. | Standard Plate Count (SPC) | 1000 |
| 3. | E. coli | 1000 |
| 4. | Fecal Coliform | 1000 |
| 5. | Yeast & Mould count | 1000 |
| 6. | Salmonella spp. | 1000 |
| 7. | Staphylococcus aureus | 1000 |
| 8. | Total plate count (TPC) | 1000 |
| 9. | Aerobic microbial count (AMC) | 1000 |

C. AIR PARAMETER (Ambient air & Source emission)

| S. No. | Test /Analysis | Ambient (Rs./sample) | Stack (Rs./sample) |
|--------|--|--------------------------|--------------------|
| 1. | Acid mist | --- | 600 |
| 2. | NH ₃ | 600 | 600 |
| 4. | CO | 1000 (by NDIR) | 300 |
| 5. | CO ₂ | --- | 300 |
| 7. | Metals (each element) | 600 | 600 |
| 9. | NO _x | 500 | 500 |
| 10. | NO ₂ | 500 | 500 |
| 11. | O ₂ | --- | 300 |
| 14. | Particulate Matter (TSPM) | 1000 (RSPM+NRSP M) | 1050 |
| 15. | PM2.5 | 2500 | -- |
| 16. | SO ₂ | 500 | 500 |
| 17. | Ozone | 600 | -- |
| 18. | Benzo (a) pyrene | 2000 | -- |
| 19. | Benzene | 2000 | -- |
| 20. | PAH | 5000 | -- |
| 21. | Temperature | 100 | 200 |
| 22. | Velocity | --- | 250 |
| 23. | Noise (per location) | 400 | --- |
| 24. | Sample preparation charges (in case of metals) | 400 | 400 |

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D. SAMPLING / COLLECTION CHARGES

| S. No. | Activity | (Rs./sample) |
|---------------|---|--|
| 1. | Monitoring visit charges | Rs. 3000.00 for upto 100 km distance |
| | | Additional Rs.1000.00 for every additional 50 km distance |
| 2. | Grab sampling of water, wastewater, soil, sludge etc. | No charges for the first 2 hours of sampling and Rs.1000.00 for every 4 hours of sampling |
| 3. | Composite samples of wastewater streams | Rs. 3000.00 for a compositing period upto 10 hours |
| | | Rs. 8000.00 for a compositing period of 24 hours |
| 4. | Ambient air sampling | Rs. 2000.00 for the first location and Rs. 1000.00 per location for subsequent locations if sampling period is 8 hours or less |
| | | Rs. 3000.00 for the first location and Rs. 1000.00 per location for subsequent locations if sampling period is > 8 hours upto 24 hours |
| 5. | Stack monitoring | Rs. 1500.00 per stack |

Note: 1. Expenses associated with the night stay shall be borne by the customer.
2. Sampling/collection charges for more than 500 km will be provided on request.

E. INSTRUMENTAL ANALYSIS

| S. No. | Instrument | Application | (Rs./sample) |
|---------------|-------------------------------------|--|-------------------------------------|
| 1. | Atomic Absorption Spectrometer | Metals other than Hg, | 600 |
| | | As, Se As, Se | 2000 |
| 2. | Mercury Analyzer | Hg | 1000 |
| 3. | UV-VIS spectrometer (200-800 nm) | Chemical Analysis | 600 per scan |
| 4. | Flame Photometer | Na, K | 600 each |
| 5. | Gas Chromatograph | Analysis of PAH & Residual chloro pesticides | PAH-5000 Chloro pesticides-8,000 |
| 6. | Ion Analyzer (Ion selective method) | CN ⁻ | 600 |

Note: Service Tax extra as applicable.