



ENVIRONMENTAL ENGINEERING LABORATORY

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TEST FACILITIES:

Different parameters of **Soil, Water, Organic Fertilizer or Compost, Plant Material, Air** can be determined in the laboratory:

Sl. No.	Parameters	Soil	Organic Fertilizer or Compost	Plant Material	Water	Air
1	pH	√	√	√	√	-----
2	Organic Carbon (C)	√	√	√	-----	-----
3	Organic Matter	√	√	√	-----	-----
4	Total Nitrogen (N)	√	√	√	√	-----
5	Phosphorus (P)	√	√	√	√	-----
6	Potassium (K)	√	√	√	√	-----
7	Sodium (Na)	√	√	√	-----	-----
8	Sulfur (S)	√	√	√	-----	-----
9	Boron (B)	√	√	√	-----	-----
10	Calcium (Ca)	√	√	√	-----	-----
11	Magnesium (Mg)	√	√	√	-----	-----
12	Sulfate Ion (SO_4^{2-})	√	√	√	-----	-----
13	Nitrate Ion (NO_3^-)	√	√	√	-----	-----
14	Chloride Ion (Cl^-)	-----	-----	-----	√	-----
15	Methane gas (CH_4)	√	√	-----	-----	-----
16	Carbon-di-Oxide gas (CO_2)	√	√	-----	-----	-----
17	Oxygen gas (O_2)	√	√	-----	-----	-----
18	Dissolved Oxygen (DO)	-----	-----	-----	√	-----
19	Biological Oxygen Demand (BOD)	-----	-----	-----	-----	-----
20	Chemical Oxygen Demand (COD)	-----	-----	-----	√	-----
21	Turbidity	-----	-----	-----	√	-----
22	Total Dissolved Solids	-----	-----	-----	√	-----
23	Total Solids	-----	-----	-----	√	-----
24	Suspended Solids	-----	-----	-----	√	-----
25	Moisture Content	√	√	√	-----	-----
26	Humidity	-----	-----	-----	-----	√
27	Noise Level	-----	-----	-----	-----	√
28	Light Level	-----	-----	-----	-----	√
29	Copper(Cu)	√	√	√	√	-----
30	Nickel(Ni)	√	√	√	√	-----
31	Cadmium(Cd)	√	√	√	√	-----
32	Lead(Pb)	√	√	√	√	-----
33	Chromium(Cr)	√	√	√	√	-----
34	Zinc (Zn)	√	√	√	√	-----

35	Landfill Gas Analysis	-----	-----	-----	-----	√
36	O ₃	-----	-----	-----	-----	√
37	PM _{2.5}	-----	-----	-----	-----	√
38	PM ₁₀	-----	-----	-----	-----	√
39	CO	-----	-----	-----	-----	√
40	O ₂	-----	-----	-----	-----	√
41	CH ₄	-----	-----	-----	-----	√
42	NH ₃	-----	-----	-----	-----	√
43	NO ₂	-----	-----	-----	-----	√
44	SO ₂	-----	-----	-----	-----	√