

**ATIRA Eco Testing Laboratory**

Sr. No.	Type of testing	Testing facility available		Standards	Applicable testing charges
		Laboratory	Instrument detail		
1	<b>Azo free Banned Amines</b>	ECO Analytical Laboratory	HPLC/LCMS	EN 14362-1/3; IS-15570-2005	4500-5000
	4,4'-Methylene-bis(2-Chloro aniline)				
	4,4'-Diaminodiphenyl methane				
	4,4'-Oxydianiline				
	p-Chloro-aniline				
	3,3'-Dimethoxybenzidine				
	3,3'-Dimethylbenzidine				
	p-Cresidine				
	2,4,5-Trimethylaniline				
	4,4'-Thiodianiline				
	p-Amino Azo benzene				
	2,4-Diaminoanisole				
	3,3'-Dimethyl-4,4'-diamino phenylmethane				
	2,4- Xylidine				
	2,6- Xylidine				
	o-anisidine				
	2-Naphthylamine				
	3,3'-Dichlorobenzidine				
	4-Aminobiphenyl				
	Benzidine				
	o-Toluidine				
	4-Chloro-o-toluidine				
	2,4-Diaminotoluene				
	o-Aminoazotoluene				
	2-Amino-4-nitrotoluene				
	p-phenylenediamine				
	N,N-Dimethylaniline				
	5-chloro-2-methylaniline				
	Aniline				

2	<b>Pesticides</b>				
	<b>Organo chlorinated Pesticides-</b>				
	Alpha- Lindane				
	Gamma -Lindane				
	Alachlor				
	Aldrin				
	Alpha- Endosulfan				
	Dieldrin				
	o,p-DDD				
	p,p-DDD				
	Endosulfan Sulfate				
	Beta- Lindane				
	Delta- Lindane				
	Chloropyrifos				
	o,p-DDE				
	Butachlor				
	p,p-DDE				
	Beta- Endosulfan				
	o,p-DDT				
	p,p-DDT				
	<b>Organo Phosphorus Pesticides-</b>				
	Monocrotophos				
	Phorate				
	Methyl Paraoxon				
	Methyl Parathion				
	Malaoxon				
	Phorate Sulfoxide				
	Malathion				
	Phorate sulfone				
	Ethion				
	Atrazin				
	Isoproturon- Phenylurea Compounds				
	2,4- Dichlorophenoxy Acetic Acid				
		ECO Analytical Laboratory	HPLC/LCMS/GC/GCMS	AOAC 990.06; APHA METHODS	3000-4000

<b>3</b>	<b>PAHs</b>				
	<b>Poly Aromatic Hydrocarbons (PAHs)</b>				
	Benzo[a]pyrene (BaP)				
	Anthracene				
	Pyrene				
	Benzo[ghi]perylene				
	Benzo[e]pyrene				
	Indeno[1,2,3-cd]pyrene				
	Benzo[j]fluoranthene				
	Benzo[b]fluoranthene	ECO Analytical Laboratory	HPLC/LCMS/GC/GCMS	AOAC 990.06; APHA-6440 B; DIN 38407-39; USEPA-8270 D	3000
	Fluoranthene				
	Benzo[k]fluoranthene				
	Acenaphthylene				
	Chrysene				
	Dibenz[a,h]anthracene				
	Benzo[a]anthracene				
	Acenaphthene				
	Phenanthrene				
	Fluorene				
	Naphthalene				
<b>4</b>	<b>PCBs</b>				
	2-Chlorobiphenyl				
	2,3-Dichlorobiphenyl				
	2,3,5-Trichlorobiphenyl				
	2,2',4,4'-Tetrachlorobiphenyl	ECO Analytical Laboratory	HPLC/LCMS/GC/GCMS	AOAC 990.06; APHA-6431C	3000
	2,2',3,4,6-Pentachlorobiphenyl				
	2,2',4,4',5,6'-Hexachlorobiphenyl				
	2,2',3,3',4,4',6-Heptachlorobiphenyl				
	2,2',3,3',4,5',6,6'-Heptachlorobiphenyl				
<b>5</b>	<b>Chlorophenols</b>				
	2-Chlorophenol				
	3-Chlorophenol				
	4-Chlorophenol				
	2,3-Dichlorophenol				
	2,4-Dichlorophenol				
	2,5-Dichlorophenol				
	2,6-Dichlorophenol				
	3,4-Dichlorophenol				
	3,5-Dichlorophenol				
	2,3,4-Trichlorophenol	ECO Analytical Laboratory	GC	AOAC; USEPA-8270;ISO-14154; ISO-17070	3000
	2,3,5-Trichlorophenol				
	2,3,6-Trichlorophenol				
	2,4,5-Trichlorophenol				
	2,4,6-Trichlorophenol				
	3,4,5-Trichlorophenol				
	2,3,4,5-Tetrachlorophenol				
	2,3,4,6-Tetrachlorophenol				
	2,3,5,6-Tetrachlorophenol				
	Pentachlorophenol (PCP)				

<b>6</b>	<b>Chlorobenzenes, Chlorotoluenes</b>	ECO Analytical Laboratory	GC-MS	AOAC;USEPA-8260B/8270D	3000
	<b>Chlorobenzenes</b>				
	Monochlorobenzene				
	1,2-Dichlorobenzene				
	1,3-Dichlorobenzene				
	1,4-Dichlorobenzene				
	1,2,3-Trichlorobenzene				
	1,2,4-Trichlorobenzene				
	1,3,5-Trichlorobenzene				
	1,2,3,4-Tetrachlorobenzene				
	1,2,3,5-Tetrachlorobenzene				
	1,2,4,5-Tetrachlorobenzene				
	Pentachlorobenzene				
	Hexachlorobenzene				
	<b>Chlorotoluenes</b>				
	2-Chlorotoluene				
	3-Chlorotoluene				
	4-Chlorotoluene				
	2,3-Dichlorotoluene				
	2,4-Dichlorotoluene				
	2,5-Dichlorotoluene				
	2,6-Dichlorotoluene				
	3,4-Dichlorotoluene				
	3,5-Dichlorotoluene				
	2,3,4-Trichlorotoluene				
	2,3,5-Trichlorotoluene				
	2,3,6-Trichlorotoluene				
	2,4,5-Trichlorotoluene				
2,4,6-Trichlorotoluene					
3,4,5-Trichlorotoluene					
2,3,4,5-Tetrachlorotoluene					
2,3,4,6-Tetrachlorotoluene					
2,3,5,6-Tetrachlorotoluene					
Pentachlorotoluene					
<b>7</b>	<b>Phthalates</b>	ECO Analytical Laboratory	GC-MS	ISO-11423-1	3000
	<b>Ortho-Phthalates</b>				
	Di (ethylhexyl) phthalate (DEHP)				
	BiS (2-methoxyethyl) phthalate (DMEP)				
	Di -n-octyl phthalate (DNOP)				
	Di -iso-decyl phthalate (DIDP)				
	Di -isononyl phthalate (DINP)				
	Di -n-hexyl phthalate (DnHP)				
	Dibutyl phthalate (DBP)				
	Butyl benzyl phthalate (BBP)				
	Dinonyl phthalate (DNP)				
	Diethyl phthalate (DEP)				
	Di -n-propyl phthalate (DPRP)				
	Di -isobutyl phthalate (DIBP)				
	Di -cyclohexyl phthalate (DCHP)				
	Di -iso-octyl phthalate (DIOP)				
	1,2- benzenedicarboxylic acid, di-C7-11				
	branched & linear alkyl esters (DHNUP)				
	1,2- benzenedicarboxylic acid, di-C6-8				
	branched & linear alkyl esters, C7-rich (DIHP)				

8	VOC	ECO Analytical Laboratory	GC-MS	ISO-11423-1	1500
	Benzene				
	Xylene				
	<i>o</i> -Cresol				
	<i>m</i> -Cresol				
	<i>p</i> -Cresol				
9	Heavy Metals (almost 25 elements)	ECO Analytical Laboratory	ICP/AAS	ISO-11885; ISO-18412; ISO-12846;ISO-17852	500/650 per Element
	Aluminium (Al)				
	Antimony (Sb)				
	Arsenic (As)				
	Barium (Ba)				
	Boron (B)				
	Cadmium (cd)				
	Calcium (Ca)				
	Chromium (cr)				
	Cobalt(CO)				
	Copper (cu)				
	Irobn (Fe0)				
	Lead (Pb)				
	Magnesium (mg)				
	Manganese (Mn)				
	Mercury (Hg)				
	Molybdenum (Mo)				
	Nickel (Ni)				
	Potassium (K)				
	Selenium (Se)				
	Silicon (Si)				
	Silver (Ag)				
	Strontium (Sr)				
	Sodium (Na)				
	Zinc (Zn)				
10	Phenol	ECO wet Laboratory	UV-VIS	ISO 14402; APHA 5530 B,C & D	500
11	cyanide	ECO wet Laboratory	UV-VIS	ISO 14403-1,-2 ; USEPA 335.2 ;APHA 4500-CN	500
12	Sulfide	ECO wet Laboratory	UV-VIS	ISO 10530; APHA 4500-S2-D	300
13	Sulfite	ECO wet Laboratory	UV-VIS	ISO 10304-3;USEPA 377.1	300
14	Total-p	ECO wet Laboratory	UV-VIS	ISO 11885; ISO 6878; USEPA 365.4;APHA 4500P-J	600
15	Total-N	ECO wet Laboratory	UV-VIS	ISO 5663;ISO29441; USEPA 351.2; APHA 4500N-C	600
16	Oil & Greasse	ECO wet Laboratory	FTIR/Oven	ISO 9377-2; USEPA 1664	500
17	COD	ECO wet Laboratory	COD Digester	ISO 6060; USEPA 410.4; APHA5220D	400
18	BOD	ECO wet Laboratory	BOD Incubator	ISO 5815-1,-2; USEPA 405.1; APHA 5210B	600
19	Ammonical Nitrogen	ECO wet Laboratory	Glaas assembly	ISO 11732; ISO 7150; USEPA 350.1;	600
20	pH	ECO wet Laboratory	pH Meter	ISO 10523;USEPA 150.1	300
21	TSS/TDS	ECO wet Laboratory	Oven	ISO 11923; USEPA 160.2; APHA 2540D	300