

WATER ANALYSIS REPORT

Rep.No: 170317_14080058_0

Date: 17/03/17

Name & Address of Client	M/s. Assam Plywood Ltd. (Signature Estates) B.K Kakoti Road, Mouza-Ulubari, Guwahati-781007, Assam
Sample Description	Ground Water
Date of Sampling	07/03/17
Sample collected by	M/s. En-vision Enviro Technologies North East

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	p ^H	---	7.43	Potentiometric	6.5-8.5	No relaxation
2	Turbidity	NTU	BDL	Nephelometric	1.0	5.0
3	TDS	mg/L	120.6	Dried at 105 ^o C	500	2000
4	DO	mg/L	4.8	Azide Modification	---	---
5	Total hardness	mg/L	97.2	EDTA Titrimetric	200	600
6	Calcium	mg/L	28.3	EDTA Titrimetric	75	200
7	Magnesium	mg/L	13.8	EDTA Titrimetric	30	100
8	Total Alkalinity	mg/L	132.9	Titrimetric	200	600
9	Chloride	mg/L	21.7	Argentometric	250	1000
10	Sulphate	mg/L	9.6	Turbidimetric	200	400

Recognized by Pollution Control Board, Assam.

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
11	Nitrates	mg/L	3.18	Spectrophotometric	45	No relaxation
12	Fluoride	mg/L	0.43	SPADNS Method	1.0	1.5
13	Residual Chlorine	mg/L	BDL	Iodometric	0.2	1.0
14	Copper	mg/L	0.0034	Flame AAS	0.05	1.5
15	Iron(as Fe)	mg/L	0.2109	Flame AAS	0.3	No relaxation
16	Cadmium	mg/L	BDL	Flame AAS	0.003	No relaxation
17	Lead	mg/L	0.0005	Flame AAS	0.01	No relaxation
18	Zinc	mg/L	0.3455	Flame AAS	5	15
19	Total Chromium	mg/L	0.0013	Flame AAS	0.05	No relaxation
20	Manganese	mg/L	0.0059	Flame AAS	0.1	0.3
21	Selenium	mg/L	0.0015	Flame AAS	0.01	No relaxation
22	COD	mg/L	13.5	Dichromate reflux	---	---
23	BOD	mg/L	52.8	Incubation at 27°C, 3 days	---	---

NOTE: BOD Biochemical Oxygen Demand, COD Chemical Oxygen Demand, TDS Total Dissolved Solids
All the measurement methods conform to IS 10500: 2012 and World Health Organization (WHO) Guidelines.

For En-vision Enviro Technologies North East, Guwahati



(Quality Control Manager)

- Note: i) The results relate only to the parameters tested.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

SOIL ANALYSIS REPORT

Rep.No: 170317_14080058_0

Date: 17/03/17

Name & Address of Client	M/s. Assam Plywood Ltd. (Signature Estates) B.K Kakoti Road, Mouza-Ulubari, Guwahati-781007, Assam
Sample Description	Soil sample collected from the project site.
Date of Sampling	07/03/17
Sample collected by	M/s. En-vision Enviro Technologies North East

Sl No.	Soil Parameters	Unit	Result	Reference Method
1	p ^H	---	5.2	Potentiometric
2	Soil type	----	Loamy Sand	Hydrometer
	Sand	%	72.5	Hydrometer
	Clay	%	15.1	Hydrometer
	Silt	%	9.4	Hydrometer
3	Nitrogen	kg/ha	138.9	Alkaline KMnO ₄
4	Phosphorus	mg/kg	43.72	Olsen method
5	Potassium	mg/Kg	72.29	NH ₄ -acetate extraction
6	Electrical conductivity	mS/cm	1.37	Conductivity Meter
7	Water holding capacity	%	42.13	Standard method

Cont...

Sl No.	Parameters	Unit	Result	Reference Method
8	Organic matter	%	1.48	Titrimetric
9	Salinity	mS/cm	1.35	Conductometric
10	Iron	g/kg	13.6	Flame AAS(mg/kg)
11	Copper	mg/kg	5.52	Flame AAS
12	Nickel	mg/kg	6.9	Flame AAS
13	Manganese	g/kg	5.2	Flame AAS(mg/kg)
14	Zinc	mg/kg	61.7	Flame AAS
15	Sodium Absorption Ratio (SAR)	mol/kg	0.67	Computation
16	Chlorides	mg/kg	126.3	Argentometric

For En-vision Enviro Technologies North East, Guwahati



(Quality Control Manager)

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