

TEST REPORT

Accredited by NABL (Chemical & Biological)
Recognized by BIS as per IS : 14543 : 2004

SOIL ANALYSIS

Report No :	ECI-NN-SO-5/06/2016	Report Date :	07.06.2016
Customer Name & Address	M/s. Akshaya Private Limited, OMR, Kazhipattur, Chennai - 603 103.	Project Name : Abov	
Customer Reference :	WO/APL/AB/36 Dt: 24/05/2016	Sample Reference No :	ECI-NN-SO-5/06/2016
Sample Drawn By :	Customers	Sample Received On :	01.06.2016
Sample Collected Date :	31.05.2016	Test Commenced On :	01.06.2016
Qty of Sample Received :	2.0 kg	Test Completed On :	04.06.2016
Sample Description :	Soil	Sampling Method :	
Sample Mark:	Soil Sample		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD
1.	Calcium Carbonate(as CaCO ₃)	%	1.4	IS 2720 Part 23 1976(RA 2006)
2.	Copper (Cu)	mg/Kg	14	EPA 3050 B & 7210
3.	Electrical Conductivity	mmhos/cm	0.4	IS 14767:2000
4.	Iron(as Fe)	mg/kg	4372	IS 3050 B & 7380
5.	Manganese (as Mn)	mg/Kg	175	EPA 3050 B & 7450
6.	Nitrogen(as N)	%	< 0.1	IS 5194 1969 RA 2010
7.	Organic Matter	%	0.2	IS 2720 Part 22 1972(RA 2006)
8.	pH	-	8.0	IS 2720 Part 26 :1987(RA 2002)
9.	Potassium(as K)	mg/Kg	450	EPA 3050 & 7810
10.	Sulphate(as SO ₄ ²⁻)	%	0.1	IS 2720 Part 27 1977(RA 2006)
11.	Texture	-	Sand	Manual for Soil Analysis
12.	Total Phosphorous (as P)	%	< 0.1	IS 10158 1982 RA 2003
13.	Water Content	%	7.0	IS 2720 Part 2 1973(RA 2010)
14.	Zinc (as Zn)	mg/Kg	12	EPA 3050 B & 7950

<--- End of Report --->

Verified By : *L. Prabhu*

Remarks :

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)

A. Sheik Muzibur Rahuman
Authorized Signatory



A. Sheik Muzibur Rahuman
Technical Manager

CHENNAI Tel : (91) (44) 42867064
Mobile : 9944938637
e-mail : ecichennai@envirocareindia.com

MADURAI Tel : (91) (452) 4355103
Mobile : 8770015870
e-mail : lab@envirocareindia.com

COIMBATORE Tel : (91) (422) 4206686
Mobile : 9056766966
e-mail : icicbe@envirocareindia.com

- Note :**
- The results relate only to this item tested.
 - Any correction not attested shall invalidate this report.
 - Report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
 - Unless informed by customer, the test items will not be retained for more than 15 days from date of issue of test report.
 - Total liability of our laboratory is limited to the invoice amount.
 - Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





J.O / T.R. No : 6774/1

Date : 03.05.14

TEST REPORT

ON WATER SAMPLE

(for Construction Purpose)

To

M/s. Shapoorji Pallonji Engineering Construction,
 Perungudi Chennai.



Project *	: "Akshaya Abov", Residential Apartments at Kazhipattur, OMR, Chennai.		
Client's Reference *	: No.SPCL/Akshaya-ABOV/QA-QC/047/2014. dtd: 30.04.2014		
Source *	: Open Well at Site, Kazhipattur.		
Sample Received on	: 30.04.14		
Period of test	: 02.05.14 to 03.05.14		
Technical Reference	: IS:456-2000 (Reaffd-2005) IS:3025-1986 (Part 11,17,18,22,23,24 & 32) Reaffirmed:2005		
Sl No	Particulars	Results	Stipulations of IS:456-2000 (RA:2005) (water for construction purpose)
1	Organic Solids	30	200 mg/l max.
2	Inorganic Solids	590 mg/l	3000 mg/l max.
3	Sulphates as SO ₄	92 mg/l	400 mg/l max.
4	Chlorides as Cl	163 mg/l	500 mg/l max. for RCC 2000 mg/l max. for PCC
5	Suspended matter	6.0 mg/l	2000 mg/l max.
6	pH Value	8.15	Shall not be less than 6
7	Quantity of 0.02N NaOH required to neutralise 100ml of water sample using phenolphthalein as an indicator	NIL	Shall not be more than 5 ml
8	Quantity of 0.02N H ₂ SO ₄ required to neutralise 100ml of water sample using mixed indicator	24.0 ml	Shall not be more than 25ml

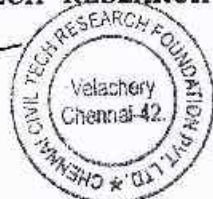
Remarks: The given water sample meet the requirements of IS:456-2000 (Reaffd.2005) for concreting purpose.

Note :

1. The results relate only to the above sample/s as received.
2. Report shall not be reproduced, except in full, without the written approval of the laboratory.
3. * Details as furnished by the client & Samples as supplied by the client
4. Any Clarifications / Complaints of this report should be made in writing within 15 days from the date of Test Report.

for CHENNAI CIVIL-TECH RESEARCH FOUNDATION Pvt. Ltd.,

A.V. Balachandra
 (A.V. Balachandra)
 Executive Director



Ch
 3/5/14
 Chayesh Kumar