



GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers
(Recognised By Ministry of Environment and Forests, New Delhi Under EPA 1986)
(No. Q - 1508 / 32 / 2007 - CPW)

(ISO 9001:2008, 14001:2004, OHSAS 18001:2007 & NABL / ISO / IEC 17025:2005 Certified Organisation)

Report No.: - GCI/V/LAB/EM-G0134/15-MV/16-17/September-00/0657

Date: 01/10/2016

ANALYSIS REPORT (For the Month of September - 2016)

Client details		Sample Details	
Name	M/s. Deepak Fertilizers & Petrochemicals Corporation Ltd.	Sample Code	GCI/V/16/ I53/GW1
Address	Plot K1, MIDC Industrial Area, P.O Taloja, A.V, 410208 Dist. Raigad, Maharashtra, India	Location	ETP (near RO Plant).
		Date of Sampling	22/09/2016
		Date of Sample Received	26/09/2016
		Sampling Instrument	Manual Sampler
Sampling Done By	Mr. Mahavir	Sampling Method	APHA 1060
Date of Analysis	26/09/2016	Date of Completion	01/10/2016

GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Reference Method
1.	Color	Hazen	<5	APHA 2120
2.	Odour	-	Agreeable	APHA 2150
3.	Taste	-	Agreeable	APHA 2160
4.	Turbidity	NTU	<1	APHA 2130
5.	pH	-	7.07	APHA 4500
6.	Total Hardness as CaCO ₃	mg/L	2140	APHA 2340 C
7.	Iron as Fe	mg/L	0.22	APHA 3111 - B
8.	Chloride as Cl	mg/L	65	APHA 4500 - Cl-
9.	Residual Free Chlorine	mg/L	BDL	APHA 4500 - Cl
10.	Fluoride as F	mg/L	BDL	APHA 4500 - F- - D
11.	Dissolve Solids	mg/L	3786	APHA 2540 C
12.	Calcium as Ca	mg/L	545.08	APHA 3500 -Ca- B
13.	Copper as Cu	mg/L	<0.001	APHA 3111 - B
14.	Manganese as Mn	mg/L	<0.001	APHA 3111 - B
15.	Sulphate as SO ₄	mg/L	90.75	APHA 4500 SO ₄ - E
16.	Phenolic Compounds	mg/L	ND	APHA 5530
17.	Nitrate as NO ₃	mg/L	10	APHA 4500 NO ₃ - B
18.	Chemical Oxygen Demand (COD)	mg/L	26	APHA 5220

BDL: Below Detectable Limit
ND: Not Detected

Authorized Signatory

- Analysis is subject to the condition In Which the Sample Is received at our Laboratory.
- Reports can not be used as an evidence anywhere including judiciary purpose without our prior permission.
- Sample will be retained till one month from the date of sampling.

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: ALSO AT :

NEWDELHI GOA PUNE BENGALURU U.K. HYDERABAD KOLKATA DHARWAD MUMBAI PORT BLAIR

: OVERSEAS :

AUSTRALIA OMAN KUWAIT AFRICA VIETNAM BANGLADESH MYANMAR SRILANKA UAE



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GROUND WATER ANALYSIS RESULTS

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19.	Nitrate as NO ₃	mg/L	24.85	APHA4500 NO ₃ - B
20.	Mercury as Hg	mg/L	<0.001	APHA 3112 - B
21.	Magnesium	mg/L	189.54	APHA 3500 - Mg-B
22.	Cadmium as Cd	mg/L	<0.001	APHA 3111 - B
23.	Sodium	mg/L	16	APHA 3500 - Na
24.	Potassium	mg/L	22	APHA 3500 - K-B
25.	Phosphorous	mg/L	0.2	APHA 4500 - P
26.	Polynuclear aromatic hydrocarbons	mg/L	ND	APHA 6440
27.	Selenium as Se	mg/L	<0.001	APHA 3500 - C
28.	Arsenic as As	mg/L	<0.001	APHA 3500-As
29.	Cyanide as CN	mg/L	<0.001	APHA 4500 - CN
30.	Lead as Pb	mg/L	<0.001	APHA 3111 - B
31.	Zinc as Zn	mg/L	<0.2	APHA 3111 - B
32.	Anionic Detergent as MBAS	mg/L	ND	APHA 5540 - C
33.	Chromium as Cr ⁺⁶	mg/L	<0.001	APHA 3500 - B
34.	Mineral Oil	mg/L	ND	APHA 5520
35.	Alkalinity as CaCO ₃	mg/L	98	APHA 2320
36.	Aluminum as Al	mg/L	<0.001	APHA 3500-AI-B
37.	Boron as B	mg/L	<0.001	APHA 3500-B
38.	Pesticides/Insecticides	mg/L	ND	APHA 6630

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