

Natural Resources Development

(Regd. No. T.A. 602, Dt. 30-4-1974)

CHEMICAL ANALYSIS DIVISION

3-6-268, 4th Floor, Opp. Reliable Business Chambers, Himayatnagar, Hyderabad - 29.

Phone Lab : 040 - 4857 0393, (O) 040 - 23224217, 23225853,

E-mail : nrdcs.cad@gmail.com, nrdcs@rediffmail.com

TEST REPORT

Chemical Testing / Ores & Minerals			SR.NO : 6276		
Name & Address of the Customer : M/s St. Andrews Highs School, D.No:7-182,7-182/1, Survey No-52, Military Dairy farm road, Old Bowenpally , Secunderabad, Telangana,-500011.			Date of Registration : 26-03-2024 Date of Commencement of test : 27-03-2024 Date of Completion of testing : 01-04-2024		
Sample particulars : Water			Qty. : 1 x 1ltr.		
Method of test : IS: 3025			Test Required : Portability		
Location : A-Block			Sample condition at receipt : OK		
S.no	PARAMETERS	Method of Test, ref to part of IS 3025	Requirement as per IS:10500-2012		Results
			Acceptable Limit	Permissible limits in the absence of alternate source	Lab code: 2
I	PHYSICAL				
1	Colour (Hazen Units)	Part 4	5 max	15 max	<5
2	pH	Part 11	6.5 – 8.5	No. relaxation	6.70
3	E.C. Micro Siemens / cm at 25° C	Part 14			110
4	Turbidity (NTU)	Part 10	1 max	5 max	<1
II	CHEMICAL				
1	Total Dissolved solids, mg / l	Part 16	500 max	2000 max	60
2	Total Hardness as CaCO ₃ , mg/l	Part 21	300 max	600 max	30
3	Total Alkalinity as CaCO ₃ , mg/l	Part 23	200 max	600 max	20
4	Non – carbonate hardness as CaCO ₃ , mg/l		---	10	10
5	Calcium as Ca , mg/l	Part 40	75 max	200 max	05
6	Magnesium as Mg, mg/l	Part 46	30 max	100 max	05
7	Sodium as Na, mg/l	Part 45	---	65	10
8	Chloride as Cl , mg/l	Part 32	250 max	1000 max	10
9	Sulphate as SO ₄ , mg/l	Part 24	200 max	400 max	05
10	Silica as SiO ₂ , mg/l	Part 35	---	10	02
11	Iron as Fe , mg/l	Part 53	0.30 max	No relaxations	0.01
12	Nitrate as NO ₃ , mg / l	SM-4500 UV	45 max	No relaxations	05
13	Fluoride as F , mg / l	SM-4500 F D	1.00 max	1.5 max	0.10
14	Potassium as K, mg / l	Part 45	---	2.0	0.2

Remarks:

a) The test results relates only to the sample tested.

b) The above results are within the permissible limits for human consumption for the tests carried out.

3-6-268, 4th Floor,

Opp. Reliable Business Chambers,
Himayatnagar, Hyderabad-500 029

Authorised Signatory

M RAVINDAR

Sr Analyst

Investigations and Diamond Core drilling

Terms and conditions overleaf.

Undertakes Borewell survey, Water, Mineral, Soil & Effluent Analysis, Geo-Technical



Natural Resources Development Co-operative Society Limited

NRDCS / CAD7 / TR

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Chemical Testing / Ores & Minerals			TEST REPORT		SR.NO : 6383
Name & Address of the Customer : M/S. St.Andrews High School Bowenpally, Secunderabad.			Registration : 16-10-2024		
			Date of Commencement of test : 17-10-2024		
			Date of Completion of testing : 19-10-2024		
Sample particulars : A Block Water			Qty. : 1 x 1ltr.		
Method of test : IS: 3025			Test Required : Portability		
			Sample condition at receipt : OK		
S.no	PARAMETERS	Method of Test, ref to part of IS 3025	Requirement as per IS:10500-2012		Results
			Acceptable Limit	Permissible limits in the absence of alternate source	Lab code: 1
I	PHYSICAL				
1	Colour (Hazen Units)	Part 4	5 max	15 max	<5
2	pH	Part 11	6.5 – 8.5	No. relaxation	6.60
3	E.C. Micro Siemens / cm at 25° C	Part 14			110
4	Turbidity (NTU)	Part 10	1 max	5 max	<1
II	CHEMICAL				
1	Total Dissolved solids, mg / l	Part 16	500 max	2000 max	60
2	Total Hardness as CaCO ₃ , mg/l	Part 21	300 max	600 max	30
3	Total Alkalinity as CaCO ₃ , mg/l	Part 23	200 max	600 max	20
4	Non – carbonate hardness as CaCO ₃ , mg/l		---	10	10
5	Calcium as Ca , mg/l	Part 40	75 max	200 max	05
6	Magnesium as Mg, mg/l	Part 46	30 max	100 max	04
7	Sodium as Na, mg/l	Part 45	---	65	10
8	Chloride as Cl , mg/l	Part 32	250 max	1000 max	10
9	Sulphate as SO ₄ , mg/l	Part 24	200 max	400 max	05
10	Silica as SiO ₂ , mg/l	Part 35	---	10	02
11	Iron as Fe , mg/l	Part 53	0.30 max	No relaxations	NIL
12	Nitrate as NO ₃ , mg / l	SM-4500 UV	45 max	No relaxations	02
13	Fluoride as F , mg / l	SM-4500 F D	1.00 max	1.5 max	0.2
14	Potassium as K, mg / l	Part 45	---	2.0	0.05

Remarks:

- a) The test results relates only to the sample tested.
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Authorised Signatory
M.Ravindar
Sr. Analyst

A Undertakes Borewell survey, Water, Mineral, Soil & Effluent Analysis, Geo-Technical Investigations and Diamond Core drilling

50 Years Professional Service



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Sample particulars : Water			Qty. : 1 x 1ltr.		
Method of test : IS: 3025			Test Required : Portability		
Location : C-Block			Sample condition at receipt : OK		
S.no	PARAMETERS	Method of Test, ref to part of IS 3025	Requirement as per IS:10500-2012		Results
			Acceptable Limit	Permissible limits in the absence of alternate source	Lab code: 1
I	PHYSICAL				
1	Colour (Hazen Units)	Part 4	5 max	15 max	<5
2	pH	Part 11	6.5 – 8.5	No. relaxation	6.60
3	E.C. Micro Siemens / cm at 25° C	Part 14			110
4	Turbidity (NTU)	Part 10	1 max	5 max	<1
II	CHEMICAL				
1	Total Dissolved solids, mg / l	Part 16	500 max	2000 max	60
2	Total Hardness as CaCO ₃ , mg/l	Part 21	300 max	600 max	25
3	Total Alkalinity as CaCO ₃ , mg/l	Part 23	200 max	600 max	20
4	Non – carbonate hardness as CaCO ₃ , mg/l		---	10	05
5	Calcium as Ca , mg/l	Part 40	75 max	200 max	05
6	Magnesium as Mg, mg/l	Part 46	30 max	100 max	02
7	Sodium as Na, mg/l	Part 45	---	65	10
8	Chloride as Cl , mg/l	Part 32	250 max	1000 max	15
9	Sulphate as SO ₄ , mg/l	Part 24	200 max	400 max	05
10	Silica as SiO ₂ , mg/l	Part 35	---	10	05
11	Iron as Fe , mg/l	Part 53	0.30 max	No relaxations	0.01
12	Nitrate as NO ₃ , mg / l	SM-4500 UV	45 max	No relaxations	10
13	Fluoride as F , mg / l	SM-4500 F D	1.00 max	1.5 max	0.2
14	Potassium as K, mg / l	Part 45	---	2.0	0.2

Remarks:

a) The test results relates only to the sample tested.

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Name & Address of the Customer : M/S. St.Andrews High School Bowenpally, Secunderabad.			Date of Registration : 16-10-2024		
			Date of Commencement of test : 17-10-2024		
			Date of Completion of testing : 19-10-2024		
Sample particulars : C Block Water			Qty. : 1 x 1ltr.		
Method of test : IS: 3025			Test Required : Portability		
			Sample condition at receipt : OK		
S.no	PARAMETERS	Method of Test, ref to part of IS 3025	Requirement as per IS:10500-2012		Results
			Acceptable Limit	Permissible limits in the absence of alternate source	Lab code: 2
I	PHYSICAL				
1	Colour (Hazen Units)	Part 4	5 max	15 max	<5
2	pH	Part 11	6.5 – 8.5	No. relaxation	7.00
3	E.C. Micro Siemens / cm at 25° C	Part 14			860
4	Turbidity (NTU)	Part 10	1 max	5 max	<1
II	CHEMICAL				
1	Total Dissolved solids, mg / l	Part 16	500 max	2000 max	495
2	Total Hardness as CaCO ₃ , mg/l	Part 21	300 max	600 max	290
3	Total Alkalinity as CaCO ₃ , mg/l	Part 23	200 max	600 max	195
4	Non – carbonate hardness as CaCO ₃ , mg/l		---	10	55
5	Calcium as Ca , mg/l	Part 40	75 max	200 max	75
6	Magnesium as Mg, mg/l	Part 46	30 max	100 max	25
7	Sodium as Na, mg/l	Part 45	---	65	60
8	Chloride as Cl , mg/l	Part 32	250 max	1000 max	95
9	Sulphate as SO ₄ , mg/l	Part 24	200 max	400 max	45
10	Silica as SiO ₂ , mg/l	Part 35	---	10	15
11	Iron as Fe , mg/l	Part 53	0.30 max	No relaxations	0.03
12	Nitrate as NO ₃ , mg / l	SM-4500 UV	45 max	No relaxations	25
13	Fluoride as F , mg / l	SM-4500 F D	1.00 max	1.5 max	0.5
14	Potassium as K, mg / l	Part 45	---	2.0	1.6

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