

**BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI**

ORIGINAL APPLICATION No. 176 OF 2023 (SZ)

IN THE MATTER OF:

Ravula Viswaroopa Reddy,
Telangana & Others

....

Applicant(s)

Versus

Union of India,
rep by its Secretary,
New Delhi & Others

....

Respondent(s)

REPORT OF THE TELANGANA STATE POLLUTION CONTROL BOARD (R3)

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Place: Hyderabad.

Date: 22-04-2024.



COUNSEL FOR RESPONDENT No.2

REPORT DATED 19-04-2024 OF TELANGANA STATE POLLUTION CONTROL BOARD IN OA No.176 OF 2023 FILED BY SRI RAVULA VISWAROOPA REDDY OF ANTHAMMAGUDEM VILLAGE, BHUDAN POCHAMPALLY MANDAL, YADADRI-BHUVANAGIRI DISTRICT.

It is to submit that Sri Ravula Viswaroopa Reddy of Anthammagudem Village, Bhudan Pochampally Mandal, Yadadri-Bhuvanagiri District have filed an OA No. 176 of 2023 before the Hon'ble NGT, Chennai praying the Hon'ble Court for compensation from the private respondents (M/s. Shree Jaya Laboratories (P) Ltd., and M/s. Vineet Laboratories (P) Ltd), for prosecution of private respondents and for appointing Joint Committee consisting of CPCB, IICT, Hyderabad, experts from Agriculture institutes to assess the financial loss and restoration of land.

The Respondent industries also reviewed before the Hon'ble NGT(SZ) in OA No.108 of 2023 with similar pray.

In this regard, following is submitted:

1. The Respondent industries viz., M/s. Shree Jaya Laboratories (P) Ltd., is located at Sy. No. 299 & 299/AA, and M/s. Vineet Laboratories Ltd., is located at Sy. No. 300 of Malkapur (V), Choutuppal (M), Yadadri Bhuvanagiri District.
2. The Latitude and Longitude of M/s. Shree Jaya Laboratories (Respondent industry No: 08) is 17°17'26.84"N and 78°49'10.43"E respectively and Latitude and Longitude of M/s. Vineet Laboratories Ltd (Respondent industry No: 09) is 17°17'32.22"N and 78°49'7.78"E respectively.
3. The Hon'ble NGT vide order dated 20.11.2023 reviewed the matter (similar case in OA No.108 of 2023) and directed the Board to carry out inspection by the members of the Task Force Committee and file the report.
4. Accordingly, the Task Force Committee Member of the Board, Dr.P.Sridhar, Asst., Professor, National Institute of Technology (NIT), Warangal has inspected the industries along with the Board officials on 16.12.2023. The Respondent Board filed a report dated: 24.01.2024 before the Hon'ble NGT submitting the details of the inspection and along with details of the samples collected. The Respondent Board also submitted that, the analysis of the Bore well / Open well samples collected from the surroundings of the industries show the TDS ranging from 457 mg/l to 4,739 mg/l and COD ranging from 24 to 436 mg/l which indicates that the ground water is contaminated. To ascertain the source of contamination, the Board is carrying out finger print analysis. Based on the finger print analysis, the Board will initiate necessary action against the industries. **(Annexure – I).**
5. However, as per the finger-print analysis reports received, the compounds in the bore well & trench sample are not matching with the compounds mentioned in the CFO

orders **(Annexure – II)**

Regional Office, Nalgonda.
T.S. Pollution Control Board,
GINNEER

6. It is further submitted that the Respondent industries are only Bulk Drug industries in the area near the petitioner land. Hence, the Respondent Board to further investigate, conducted groundwater sampling in the petitioner lands on 20.03.2024. The details are submitted as given:

S.No	Sampling Location	Distance from M/s. Shree Jaya Laboratories Pvt Ltd. Eastern boundary Wall
1.	Unused Borewell near residence No.5-120 of Sri Ravula Viswaroopa Reddy, Sy.No. 321, Jiblakpally Revenue Village, Anthammagudem (V), Pochampally (M), Yadadadri Bhuvanagiri District. (GPS Coordinates: 17°17'42.5"N & 78°49'55.5"E)	1.3 Km
2.	Agricultural Borewell of Sri Ravula Viswaroopa Reddy (North Side), Sy.No. 321, Jiblakpally Revenue Village, Anthammagudem (V), Pochampally (M), Yadadadri Bhuvanagiri District. (GPS Coordinates: 17°17'45.0"N & 78°50'00.1"E)	1.45 KM
3.	Agricultural Borewell of Sri Ravula Viswaroopa eddy (South Side), Sy.No. 321, Jiblakpally Revenue Village, Anthammagudem (V), Pochampally (M), Yadadadri Bhuvanagiri District. (GPS Coordinates: 17°17'44.9"N 78°50'00.1"E)	1.45 KM
4.	Agricultural Borewell of Sri Ravula Viswaroopa Reddy, Sy.No. 326, Jiblakpally Revenue Village, Anthammagudem (V), Pochampally (M), Yadadadri Bhuvanagiri District. (GPS Coordinates: 17°17'47.5"N & 78°50'06.1"E)	1.65 KM
Note:		
1. The average distance of bore wells of Sri Viswaroopa Reddy.		
2. The location of bore wells of Sri Viswaroopa Reddy in NE direction to the industries.		

The copy of the analysis report is attached herewith as **Annexure – III**.

In view of the above, the Respondent Board proposed to review the Respondent industries along with analysis reports in the ensuing Board's Task Force Committee meeting and will submit the action taken report to the Hon'ble National Green Tribunal (SZ) after the committee meeting.

Place: Nalgonda

Date: 19.04.2024.


ENVIRONMENTAL ENGINEER

ENVIRONMENTAL ENGINEER
T.S. Pollution Control Board,
Regional Office, Nalgonda.

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Annexure -I

BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI

ORIGINAL APPLICATION No. 108 OF 2023 (SZ)

IN THE MATTER OF:

Vaspari Lingaiah,
Telangana & Others

....

Applicant(s)

Versus

State of Telangana,
rep by its Chief Secretary,
Telangana & Others

....

Respondent(s)

REPORT OF THE TELANGANA STATE POLLUTION CONTROL BOARD (R3)

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3.	Annexure-II - Analysis report of samples collected at M/s. Vineet Laboratories Ltd. (Formerly M/s. Ortin Laboratories Ltd.), Malkapur (V), Choutuppal (M), Yadadri Bhuvanagiri District.	6 - 7
4.	Annexure-III - Analysis report of water samples collected from trench in the agriculture field of the Petitioner.	8
5.	Annexure-IV - Analysis report of Bore Well & Open well samples collected in the surroundings of the industries.	9 - 10

Place: Hyderabad.

Date: 24-01-2024.

**REPORT DATED 24-01-2024 OF TELANGANA STATE POLLUTION CONTROL BOARD
IN OA No.108 OF 2023 FILED BY SRI VASPARI LINGAIAH, S/O. VASPARI
LACHAIAH & OTHERS OF ANTHAMMAGUDEM VILLAGE, JIBLAKPALLY MANDAL,
YADADRI-BHUVANAGIRI DISTRICT.**

It is to submit that Sri Vaspari Lingaiah and others of Anthammagudem Village, Jublakpalli Mandal, Yadadri-Bhuvanagiri District have filed an OA No. 108 of 2023 before the Hon'ble NGT, Chennai praying the Hon'ble Court for compensation from the private respondents (M/s.Shree Jaya Laboratories (P) Ltd., and M/s.Vineet Laboratories (P) Ltd), for prosecution of private respondents and for appointing Joint Committee consisting of CPCB, IICT, Hyderabad, ICAR, Delhi or any Agriculture Research Institute to assess the reasons and quantum of loss caused to the Applicants and also for suggesting restoration measures.

Earlier, the Respondent Board filed a report dated: 04.12.2023 before the Hon'ble NGT submitting the Board Officials along with the Task Force Committee members will re-inspect the Respondent Industries and the action taken report will be filed before the Hon'ble National Green Tribunal (SZ) for necessary action.

The Hon'ble NGT vide order dated 20.11.2023 reviewed the matter and directed the Board to carryout inspection by the members of the Task Force Committee and file the report.

The Task Force Committee Member of the Board, Dr.P.Sridhar, Asst., Professor, National Institute of Technology (NIT), Warangal has inspected the industries along with the Board officials on 16.12.2023 and the following observations were made:

I. M/s. Shree Jaya Laboratories (P) Ltd:

- The unit is located at Sy.No. 299 & 299/AA, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District and is carrying out manufacturing of Bulk drugs.
- During inspection, the industry was in operation.
- The industry has provided single stage scrubbers for existing Agitated Thin Film Dryer (ATFD). The industry is not yet installed new ATFD as civil construction work of Multiple Effect Evaporator (MEE) and ATFD are under progress. The industry representative informed that installation of New MEE and ATFD will be completed in 90 days.
- The industry has provided single stage scrubber followed by vent condenser to HCL tank.

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- The industry has to replace flexible pipelines with permanent pipelines.
- During inspection, no specific odour was observed.
- During inspection, no discharges of effluents were observed. However, the water present in the trench was in black colour. The industry proposed to provide trench in the industry premises towards trench dug by the Sri V. Lingaiah, Petitioner.
- The industry has not yet installed the Bag Filters for existing 6 TPH Boiler. The industry representative informed that installation of New 10 TPH Boiler is under progress and same will be completed within 2 months. After commissioning of the 10 TPH Boiler, the bag filter attached to 10 TPH and 6 TPH Boiler as common Air Pollution Control Equipment (APCE). The existing 6 TPH will be used as standby.

II. M/s. Vineet Laboratories Ltd. (Formerly M/s. Ortin Laboratories Ltd.):

- The unit is located at Sy. No. 300, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District.
- During inspection, the industry was in operation.
- The industry is having stripper, MEE system (3 stage & 30 KL), ATFD and RO system (5 KL). The Board vide order dt.02.11.2022 directed to construct & commission the Biological ETP within 3 months. However, the Bio-logical ETP not yet commissioned even after 13 months time. Only civil works under progress.
- The industry is still using flexible pipes to transfer the chemicals / raw materials within the plant premises.
- Odour was observed at production blocks.
- The industry has not taken additional measures to rectify / replace APCE attached to the Boiler to meet the boiler emission standards.
- Effluents / Chemicals spillages were observed at production blocks.
- The industry has to improve the housekeeping at production blocks.
- The industry has to dispose the hazardous waste regularly without stocking to avoid any smell problems.

During the inspection, samples were collected from the industries, surrounding bore wells / open wells and soil located within 100 mtrs radius outside of the respondent industries. The samples received are analyzed for physio chemical parameters. Further, the samples are also being analyzed for finger print analysis to ascertain the source of contamination.

The analysis of the samples from the industry indicate the following:

I. M/s. Shree Jaya Laboratories Pvt Ltd.:

- The analysis of the samples collected from various units of the ZLD system indicate that the ZLD system is effectively functioning and RO permeate can be reused for various purposes within the industry. (Annexure – I).

II. M/s. Vineet Laboratories Pvt Ltd.,:

- The analysis of the samples collected from various units of the ZLD system indicate that the ZLD system is effectively functioning and RO permeate can be reused for various purposes within the industry. (Annexure – II).

III. Waste Water Sample from trench in the agriculture filed of Sri Vaspari Lingaiah (Petitioner):

- The trench is located behind southern boundary wall of M/s. Shree Jaya Laboratories Pvt Ltd. The analysis indicate the TDS – 3,867 mg/l, COD – 688 mg/l and BOD – 91 mg/l and the same could be seepages from M/s. Shree Jaya Laboratories Pvt Ltd., (Annexure – III).

IV. Bore well & Open well samples collected in the surroundings of the industries (Annexure – IV):

- The analysis of the Bore well / Open well samples collected from the surroundings of the industries show the TDS ranging from 457 mg/l to 4,739 mg/l and COD ranging from 24 to 436 mg/l which indicates that the ground water is contaminated.
- To ascertain the source of contamination, the Board is carrying out finger print analysis. The analysis reports are awaited.
- Based on the finger print analysis, the Board will initiate necessary action against the industries.

Place: Nalgonda

Date: 24.01.2024.


ENVIRONMENTAL ENGINEER

ENVIRONMENTAL ENGINEER
T.S. Pollution Control Board,
Regional Office, Nalgonda.

DESCRIPTION OF SAMPLE

S.No	Sampling description	Sample Code mentioned in the analysis reports
1.	Unused Bore-well in Agricultural land (presently uncultivated) of Sri. GopiAilaiah Sy.No. 294, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District	23/12/401
2.	Unused open well in Agricultural land (presently uncultivated) of Sri. GopiAilaiah Sy.No. 294, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District	23/12/402
3.	Unused open well sy.no.298, RavulaVenkatesham, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District	23/12/403
4.	Unused Open well in agricultural field of VasupariLaxmaiah sy.no.302, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District	23/12/404
5.	Borewell Agricultural field (presently uncultivated) of Vasuparijangaiah s/o Bhikshapathi, Sy.No.305, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District	23/12/405
6.	Unused borewell in the barren land of Vasupari Narsimha S/O Lachaiah Sy.no.305, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District	23/12/406
7.	Borewell in barren land of Vasupari Tirumalesh s/o V. Narsimha syno.287, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District	23/12/407
8.	Waste water sample collected from a trench in agricultural field of Sri. Vasupari lingaiah behind southern boundary wall of M/s. Shree Jaya Laboratories Pvt Ltd	23/12/408
9.	Sample collected from the HTDS (Stripper feed) of M/s Shree Jaya Laboratories Pvt., Ltd	23/12/417
10.	Sample collected from the LTDS of M/s Shree Jaya Laboratories Pvt., Ltd	23/12/420
11.	Sample collected from the HTDS (Stripper feed) of M/s Vineet Laboratories Ltd.,	23/12/428
12.	Sample collected from the LTDS of M/s Vineet Laboratories Ltd.,	23/12/429

Dr. J. Sesha Srinivas
Senior Scientist

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Tr.No: EPTRI/Lab/Analysis/23/WCS-532,533&534/2023-24/CSF/date:24.01.2024

To
M/s. Telangana State Pollution Control Board
A-3, Paryavaran Bhavan, Sanath Nagar Rd,
Sanath Nagar Industrial Estate,
Sanath Nagar, Hyderabad – Telangana – 500 018.

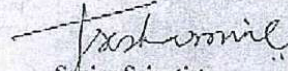
Sir,

Sub: EPTRI-Analysis report for the Effluent Samples submitted – reg.

Ref: 065/TSPCB/LAB/Gen /2023, dated:19.12.2023.

With reference to the above, please find enclosed the analysis report for the Effluent Samples submitted by your representative on 19.12.2023. The charges for the same including GST are Rs. 1,39,858.00 (Rupees One Lakh Thirty Nine Thousand Eight Hundred and Fifty Eight Only) as per the invoice enclosed. We will be grateful, if the payment is made in favour of EPTRI, payable at Hyderabad either by cheque or by demand draft at the earliest.

Yours faithfully,


Senior Scientist

Encl: a/a

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ENVIRONMENT PROTECTION TRAINING AND RESEARCH INSTITUTE (EPTRI)

91/4 Gachibowli, Hyderabad - 500 032, Telangana State., India

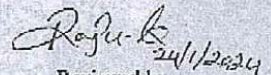
Phone: 040-23451395/396/397; Fax: 040-23451355

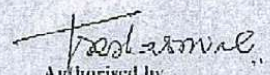
E-mail: eptri_lab@gmail.com; Web page: http://eptri.telangana.gov.in



ANALYSIS REPORT

Registration Number : 23/WCS-532 **Issue date** : 24.01.2024
Sample received : 19.12.2023 **Customer** : Lr No 065/TSPCB/LAI/Gen./2023,
Date of Commencement : 19.12.2023 **Ref aud date** : 19.12.2023.
Date of Completion : 24.01.2024
Address of the customer : M/s. Telangana State Pollution Control Board
A-3, Paryavaran Bhavan, Sanath Nagar Rd,
Sanath Nagar Industrial Estate,
Sanath Nagar, Hyderabad - Telangana - 500 018.
Sample Particulars : Waste Water Samples
Qty-received : -2.5 Ltr each in plastic containers
Type of Sampling : Grab Samples
Sample condition : Suitable for analysis
Sampling Procedure : Samples collected and submitted by the customer.
Sample Code : **Sample Location**
WCS-1 : 23/12/401
WCS-2 : 23/12/402
WCS-3 : 23/12/403
WCS-4 : 23/12/404
WCS-5 : 23/12/405
WCS-6 : 23/12/406
WCS-7 : 23/12/407
Date of Sampling : 16.12.2023.
Sampled by : Customer
Industry representative : M/s. Telangana State Pollution Control Board
Sub-contracting was not awarded
No deviation in the test method
Sub-Contracting :
Deviation from Standard methods : As per the Standard Methods for the Examination of water & wastewater by APHA, 24th Edition, 2023 (6010.B) Method.
Sample Tested : NIL
Remarks :


Reviewed by
Lab Representative


Authorised by
Dr. J. Sesha Srinivas
Senior Scientist



ENVIRONMENT PROTECTION TRAINING AND RESEARCH
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ANALYSIS REPORT

Encl. Report No.23/WCS-532-1(23-12-401)

Quantitative Result Table

Sl.No	Name of Compound(s)
1.	Styrylcarbamic acid methyl ester
2.	Heptacosane
3.	Heptasiloxane, hexadecamethyl-
4.	Heptasiloxane, hexadecamethyl-

Encl. Report No.23/WCS-532-2(23-12-402)

Quantitative Result Table

Sl.No	Name of Compound(s)
1.	1-Adamantyl isothiocyanate

Encl. Report No.23/WCS-532-3(23-12-403)

Quantitative Result Table

Sl.No	Name of Compound(s)
1.	7,9 Di tert butyl-1-oxaspiro(4,5)dec-6-9-dien
2.	Palmitoyl chloride

Encl. Report No.23/WCS-532-4(23-12-404)

Quantitative Result Table

Sl.No	Name of Compound(s)
1.	Heptasiloxane, hexadecamethyl-

Reju. K.
Reviewed by *24/01/24*
Lab Representative

J. Seshu Srinivas
Authorized by
Dr. J. Seshu Srinivas
Senior Scientist



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ANALYSIS REPORT

Encl. Report No.23/WCS-532-5(23-12-405)

Quantitative Result Table

Sl.No	Name of Compound(s)
1.	Dibutyl phthalate

Encl. Report No.23/WCS-532-6(23-12-406)

Quantitative Result Table

Sl.No	Name of Compound(s)
1	Not Detected

Encl. Report No.23/WCS-532-7 (23-12-40G)

Quantitative Result Table

Sl.No	Name of Compound(s)
1.	Not Detected

Opinion and Interpretation, Not Applicable.
Note: 1) The results relate only to the items tested.
2) The results shall not be reproduced except in full without approval of lab.
3) Customer provided information may effect the validity of the test report.

Raju K
Reviewed by
Lab Representative

Jashwanth
Authorised by
Dr. J. Satha Srinivas
Senior Scientist

*****END OF THE REPORT*****



ENVIRONMENT PROTECTION TRAINING AND RESEARCH INSTITUTE (EPTRI)

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ANALYSIS REPORT

Registration Number : 23/WCS-533 Issue date : 24.01.2024
 Sample received : 19.12.2023 Customer : Lr No:065/1/SPCB/LAB/Gen./2023
 Date of Commencement : 19.12.2023 Ref and date : 19.12.2023
 Date of Completion : 24.01.2024
 Address of the customer : M/s. Telangana State Pollution Control Board
 A-3, Paryavaran Bhavan, Sanath Nagar Rd,
 Sanath Nagar Industrial Estate,
 Sanath Nagar, Hyderabad - Telangana - 500 018.

Sample Particulars : Waste Water Samples
 Qty-received : - 2.5 Ltr each in plastic containers
 Type of Sampling : Grab Samples
 Sample condition : Suitable for analysis.
 Sampling Procedure : Samples collected and submitted by the customer.
 Sample Code : Sample Location
 WCS-1 : 23/12/408
 Date of Sampling : 16.12.2023.
 Sampled by : Customer
 Industry representative : M/s. Telangana State Pollution Control Board
 Sub-Contracting : Sub-contracting was not awarded.
 Deviation from Standard methods : No deviation in the test method
 Sample Tested : As per the Standard Methods for the Examination of water & wastewater
 by APHA, 24th Edition, 2023 (6010 B) Method.
 Remarks : NIL.

Rajesh
Reviewed by 24/01/24
Lab Representative

J. Srinivas
Authorized by
Dr. J. Seshu Srinivas
Senior Scientist



ENVIRONMENT PROTECTION TRAINING AND RESEARCH INSTITUTE (EPTRI)

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E mail: eptri.lab@gmail.com; Web page: <http://eptri.telangana.gov.in>



ANALYSIS REPORT

Encl. Report No.23/WCS-533-1(23-12-408)

Quantitative Result Table

Sl.No	Name of Compound(s)
1.	13-Docecanamide, (Z)

Opinion and Interpretation: Not Applicable.

- Note: 1) The results relate only to the items tested.
 2) The results shall not be reproduced except in full without approval of lab.
 3) Customer provided information may effect the validity of the test report.

Raju B.
 24/01/24
 Reviewed by
 Lab Representative

Jyeshtha
 Authorised by
 Dr. J. Jyeshtha Srinivas
 Senior Scientist

*****END OF THE REPORT*****



ENVIRONMENT PROTECTION TRAINING AND RESEARCH
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 E-mail: eptri.lab@gmail.com; Web page: <http://eptri.telangana.gov.in>



ANALYSIS REPORT

Registration Number : 23/WCS-534 Issue date : 24.01.2024
 Sample received : 19.12.2023 Customer : Lr.No:065/TSPCB/LAB/Gen./2023,
 Date of Commencement : 19.12.2023 Ref and date : 19.12.2023.
 Date of Completion : 24.01.2024
 Address of the customer : M/s. Telangana State Pollution Control Board
 A-3, Paryavaran Bhavan, Sanath Nagar Rd,
 Sanath Nagar Industrial Estate,
 Sanath Nagar, Hyderabad - Telangana - 500 018.

Sample Particulars : Waste Water Samples
 Qty received : -2.5 Ltr each in plastic containers
 Type of Sampling : Grab Samples
 Sample condition : Suitable for analysis
 Sampling Procedure : Samples collected and submitted by the customer.
 Sample Code : Sample Location
 WCS-1 : 23/12/417
 WCS-2 : 23/12/420
 WCS-3 : 23/12/428
 WCS-4 : 23/12/429
 Date of Sampling : 16.12.2023.
 Sampled by : Customer
 Industry representative : M/s. Telangana State Pollution Control Board
 Sub-Contracting : Sub-contracting was not awarded
 Deviation from Standard methods : No deviation in the test method
 Sample Tested : As per the Standard Methods for the Examination of water & wastewater by APHA,
 24th Edition, 2023 (6010.B) Method.
 Remarks : Nil.

Reviewed by
 24/01/24
 Lab Representative

Authorised by
 Dr. J. Sresha Srinivas
 Senior Scientist



ENVIRONMENT PROTECTION TRAINING AND RESEARCH
INSTITUTE (EPTRI)
91/4 Gachibowli, Hyderabad - 500 032, Telangana State., India
Phone: 040-23451395/396/397; Fax: 040-23451355
E-mail: eptri.lab@gmail.com; Web page: <http://eptri.telangana.gov.in>



ANALYSIS REPORT

Encl. Report No.23/WCS-534-1(23-12-117)

Quantitative Result Table

SLNo	Name of Compound(s)
1	Pyridine, 4-ethyl-
2	2-Furanone, 2,5-dihydro-3,5-dimethyl
3	Pyridine, 2,3,6-trimethyl-
4	5-Methyl[1,5]thiazosine
5	Pyridine, 2-ethyl-6-methyl-
6	Pyridine, 2-ethyl-6-methyl-
7	Pyridine, 2,6-diethyl-
8	p-Aminotoluene
9	Pyrimidine, 4,6-dimethyl-
10	1,2,4-Trithiolane
11	Ketone, methyl 6-methyl-2-pyridyl
12	5-Chloro-2-hydroxyaniline
13	5-Chloro-o-anisidine
14	2-Acetyl-1-methylpyridine
15	3-Methoxy-4-methylaniline
16	Pyridine, 4-methyl-, 1-oxide
17	2-Methyl-3-methoxy-4H-pyran-4-one
18	3-Pyridiniumine, 2,6-dimethyl-
19	1,2-Benzenediamine
20	Propylamine, 3-phosphino-N,N-dimethyl-
21	Benzenamine, 2-methoxy-N,N-dimethyl-
22	Benzenamine, 2,4-dimethoxy-
23	1H-Inden-1-one, 2,3-dihydro-
24	Quinoxaline, 2-methyl-
25	Boroxin, dimethylphenyl-
26	Benzene, 1-isothiocyanato-4-methyl-
27	2-Hydroxy-3-methoxybenzaldehyde, acetate
28	Diazene, bis(2-hydroxy-1-naphthyl)-
29	Tetrydamine
30	L-Leucine, N-(trifluoroacetyl), dodecyl ester
31	Quinoxaline, 2,3-dimethyl-

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ANALYSIS REPORT

32.	Benzenamine, 4-methoxy-N,N-dimethyl-
33.	thiazolo[5,4-b]pyridin-2(3aH)-one, hydrazonic
34.	2-Methylthio 5-amino anisole
35.	Piperidin-4-one, 1-benzyl-2,3-dimethyl-
36.	Cyclobutanone ethylene dithioacetal
37.	2,4-Dimethoxybenzylamine
38.	Benzenamine, 4-methoxy-N,N-dimethyl-
39.	Benzene, 1-bromo-4-(1,1-dimethylethyl)-
40.	Benzene, 1-bromo-4-(1,1-dimethylethyl)-
41.	7-Quinolincarboxylic acid
42.	Benzoic acid, 5-(1,1-dimethylethyl)-2-hydroxy
43.	Benzenamine, 2-methoxy-N,N-dimethyl-
44.	Benzenamine, 2,4-dimethoxy-
45.	Formamide, N-(4-methyl-3-nitrophenyl)-
46.	Ether, 3-hydroxy-2-butyl 1-(p-tolyl)ethyl
47.	2-Methoxyethyl 3-methylbutanoate
48.	benzenemethanol, 4-(diethylamino)-
49.	1H-pyrrole-3-carboxylic acid, 2,5-dihydro-1-h
50.	Cyclopropanecarboxylic acid, 2-[4-(1,1-dimeth
51.	2,3,6-Trimethoxybenzoic acid
52.	1-(+)-Ascorbic acid 2,6-dihexadecanoate
53.	(4,5,7-Trimethyl-4,5,6,7-tetrahydro-1H-pyrrol
54.	Aminocarb
55.	Acetylhydrazide, 2-(2-methoxyphenoxy)-N2-[3-
56.	5-(4-Methoxycinnamoyl)-2-methyl-pyridine
57.	Phenol, 2,2',3,3',5,5',6'-heptamethyl-4,4'-methy
58.	9-Borabicyclo[3.3.1]nonane, 9,9'-thiobis-

Rajesh B
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 Reviewed by
 Lab Representative

T. Srinivas
 Authorised by
 Dr. J. Susha Srinivas
 Senior Scientist



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ANALYSIS REPORT

Encl. Report No.23/WCS-534-2(23-12-420)

Quantitative Result Table

Sl.No	Name of Compound(s)
1	Cyclohexan-1-carbonitrile
2	2-Eutanone, 2,5-dihydro-3,5-dimethyl
3	Pyridine, 2,3,6-trimethyl-
4	Pyridine, 2-ethyl-6-methyl-
5	Pyridine, 3-ethyl-, 1-oxide
6	Linalool
7	Phenol, 2-methyl-
8	Benzeneethanol, alpha, alpha-dimethyl-
9	Linalool
10	p-Cresol
11	5-Chloro-o-anisidine
12	Pyridine, 2-chloro-3-methoxy-
13	Bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, (1
14	Benzosauine, 2-methoxy-4-methyl-
15	Pyridine, 4-methyl-, 1-oxide
16	2-Methyl-3-methoxy-1H-pyran-4-one
17	3-Pyridinamine, 2,6-dimethyl-
18	1,2-Benzenediamine
19	Tetrasulfide, dimethyl
20	6-Octen-1-ol, 7-methyl-3-methylene-
21	2,6-Octadion-1-ol, 3,7-dimethyl-, (Z)-
22	2-Isopropenyl-5-methylhex-4-enal
23	Benzenamine, 2-methoxy-N,N-dimethyl-
24	Benzenamine, 3,4-dimethoxy-
25	2,6-Octadienal, 3,7-dimethyl-, (L)-
26	1-Methylpyrrolo[1,2-a]pyrazine
27	Benzene, 1-isothiocyanato-2-methyl-
28	Quinoxaline, 2-methyl-
29	Benzenamine, 5-chloro-2,4-dimethoxy-
30	pyrrole-2-carboxaldehyde, 5-chloro-3,4-dimet
31	Quinoline, 2-chloro-4,8-dimethyl-
32	Benzene, 1-isothiocyanato-4-methyl-
33	Benzene, 1-amino-2-acetyl-4-methoxy-
34	4-Aminothiophenol, N,N,S-trimethyl-
35	Benzenamine, 2,4-dimethoxy-

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ANALYSIS REPORT

36	Diazene, bis(2-hydroxy-1-naphthyl)
37	1H-Pyrazole-1-acetamide, 4-iodo-N-(2-thienyl
38	2-Benzodioxepine, 1,3-dihydro-5,6-dimethyl-
39	l-Leucine, N-(trifluoroacetyl)-, hexyl ester
40	4-Bromo-2-chlorobenzonitrile
41	Benzenamine, 4-methoxy-N,N-dimethyl-
42	thiazolo[5,4-b]pyridin-2(3aH)-one, hydrazona
43	2-Methylthio-5-amino anisole
44	2-Chloro-4-isopropylpyridine
45	Piperidin-4-one, 1-benzyl-2,3-dimethyl-
46	Benzenamine, 2,3-dimethoxy-
47	5,6-Dimethyl-2-benzimidazolone
48	2,4-Dimethoxybenzylamine
49	Benzenamine, 4-methoxy-N,N-dimethyl-
50	gamma-Murolone
51	2-Oxazolothione, 4,4-dimethyl-
52	Acetamide, N-methyl-N-phenyl-
53	Benzene, 1-bromo-4-(1,1-dimethylethyl)-
54	(Naphthalen-2-ylamino)acetic acid, (1-methyl-
55	Caryophyllene oxide
56	Benzenamine, 4-methoxy-N,N-dimethyl-
57	Pyrole-3-carbonitrile, 5-formyl-2,4-dimethyl-
58	Quinoline, 6-methoxy-
59	Benzenamine, 2,4-dimethoxy-
60	Phenylacetic acid, 2-amino-5-methoxy-
61	2H-1-Benzopyran-2-one, 6-amino-
62	Benzene, 3-ethyl-1,2,4,5-tetramethyl-
63	Acetamide, N-(2,6-dimethylphenyl)-2-[5-(4-m
64	2H-1,2,3,4-Tetrazole, 5-[4-(difluoromethoxy)p
65	2,3-quinoxalinediamine, N2,N3-diethyl-
66	Diethylmalonic acid, isobutyl 1-phenylpropyl c
67	1H-Benzimidazole, 2-(methylthio)-
68	3-(2,3-Dichlorophenyl)-1,1-dimethylurea
69	Glutaric acid, hept-2-yl 3-ethylphenyl ester
70	1,2-Naphthalenediol, 1-ethyl-1,2,3,4-tetrahydr
71	4-(1-Hydroxyethyl)-2-methoxyphenol
72	1,4-benzenedimethanediol, 2,5-dimethoxy-
73	3-Isopropyl-2-methoxy-5-methylbenzoic acid



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74.	β-Isopropyl-2-methoxy-5-methylbenzoic acid
75.	Cathinone, TMS derivative
76.	(4,5,7-Trimethyl-4,5,6,7-tetrahydro-1H-pyrrrol
77.	Ethanol, 2-[2-(2-phenoxyethoxy)ethoxy]-
78.	N-(2,7-Dimethylocta-2,7-dienyl)-1H-benzimid
79.	1,4-benzenedimethanethiol, 2,5-dimethoxy-
80.	2-Benzimidazolethiol
81.	1,4-benzenedimethanethiol, 2,5-dimethoxy-
82.	2-Ethoxyethyl 3,5-dinitrobenzoate
83.	Benzene, 1,4-bis(1-hydroxy-2-propyl)-
84.	Quinoline, 2,4,6-trimethyl-
85.	Tricyclo[4.2.2.0(2,5)]deca-7-ene, 7-(5-hexynyl)
86.	1,1,11-Trimethyl-1,2,3,4-tetrahydro-1,4-meth
87.	2-Pyrrolidinone, 1-(phenylmethyl)-4-[1-(2-pro
88.	β-Acetyl-6h,7,10,10a-tetrahydro-endo-7,10-m
89.	1H-Benzimidazole, 2-(3-pyridinyl)-
90.	2-Hydrazono-4-amino-5,6-dihydrobenzo[h]qui
91.	Ethionamide
92.	1H-pyrazole, 4,5-dihydro-4-methyl-1,3-dipicu
93.	Nickel, [(1,2,3,6,7,10,11,12-cis)-2,6,10-dodec
94.	2-Pyrrolidinone, 1-(phenylmethyl)-4-[1-(2-pro
95.	Ethanol, 2-[2-(2-phenoxyethoxy)ethoxy]-
96.	Methyl 2-[3-(4-methoxyphenyl)-4-oxochrom
97.	alpha-(p-Methylphenyl)benzyl acetate
98.	2-Benzothiazolamine, 6-methoxy-
99.	5-(4-Methoxycinnamoyl)-2-methyl-pyridine
100.	1,2,3,4-Tetrahydrobenzimidazo[2,1-b]quinazo
101.	Benadazol
102.	1H-Benzimidazole, 2-(piperidin-4-yl)-
103.	2-(5-Methyl-[1,3,4]thiadiazol-2-ylsulfanyl)-1-
104.	1H-Benzimidazole, 2-(piperidin-4-yl)-
105.	1,4-Benzenedicarboxylic acid, bis(2-ethylhexy
106.	Pyrrolidino-2,5-dione, 3-[4-(1H-benzimidazo
107.	1H-Benzimidazole, 2-(piperidin-4-yl)-

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Reviewed by
Lab Representative

S. Srinivas
Authorised by
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ANALYSIS REPORT

Encl. Report No.23/WC5-534-3(23-12-428)

Quantitative Result Table

Sl.No	Name of Compound(s)
1	N,N-Dimethylacetamide
2	N,N-Dimethylacetamide
3	Pyridine, 3,5-dimethyl-
4	Phosphonic acid, (p-hydroxyphenyl)-
5	Pyridine, 3,5-dimethyl-
6	2-Ethyl-1-hexanol
7	Benzyl alcohol
8	Benzyl alcohol
9	2-(1,1-Dimethylethyl)-5-oxohexanal
10	4-(3,4-Dihydro-2H-quinolin-1-yl)-4-oxo-butyr
11	Phenol, 2-methyl-
12	Benzenamine, 3-methyl-
13	2-Pyridineethanol, alpha-methyl-
14	p-Cresol
15	Phenol, 2,5-dimethyl-
16	Phenol, 2,5-dimethyl-
17	5-Chloro-alpha-misidine
18	Pyridine, 2-chloro-3-methoxy-
19	3-Methoxy-4-methylaniline
20	2,3,4-Trifluorobenzoic acid, 2-isopropoxyphen
21	N,N-Diethylaniline
22	Benzenamine, 2-methoxy-N,N-dimethyl-
23	Benzenamine, 2,4-dimethoxy-
24	Acetamide, N-cyclohexyl-
25	5-Acetoxyethyl-2-furaldehyde
26	(E,S)-2-Heptenoic acid, 4-amino-6-methyl-, m
27	2-Mercapto-1,3-benzoxazole
28	2H-Pyran-2-one, 3-acetyl-4-hydroxy-6-methyl
29	2-Propenamide, N,N-di-2-propenyl-
30	Thiazole, 2-ethyl-4,5-dimethyl-
31	4H-Pyran-4-one, 3-acetyl-2,6-dimethyl-
32	2-Methylthio-5-amino anisole
33	Cyclohexanepropanoic acid, 2-oxo-, methyl es
34	2-Aminobiphenyl

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35.	Benzene methanamine, 2,3 dimethoxy-
36.	Pyridine, 2-(2-phenylethyl)-
37.	2-(1-Cyclohexenyl)cyclohexanone
38.	Pyridine, 3-(phenylmethyl)-
39.	Cyclohexanone, 2-cyclohexylidene-
40.	2,6-Difluoro-3-methylbenzoic acid, cycosyl est
41.	1-Amino fluorene
42.	Benzonitrile, 4-amino-
43.	cis-1,3-bisoxenoic acid
44.	Pyrrolidine, 1-(1-cyclohexen-1-yl)-
45.	Acetamide, N-[4-(1H-imidazol-1-yl)phenyl]-
46.	2,3 Dimethylphenoxyacetic acid
47.	2-Pyridinemethanol, alpha-phenyl-alpha-(1H
48.	Succinic acid, dodec-2-en-1-yl 2-methoxyphen
49.	hydrazinecarboxamide, 2-(4-nitrophenyl)-N,N
50.	1-(2-Aminophenyl)-1-phenylethanol
51.	Dibenzylamine
52.	Methanol, (3-methylpyrid-2-yl)phenyl-
53.	1,3-Dimethyl-4-phenylpyridinium iodide
54.	Acetamide, N (2-hydroxyphenyl)-N-methyl-
55.	Urea, (2-methylphenyl)
56.	Fumaric acid, butyl 2-methylpentyl ester
57.	1,3-Benzenediamine, 4-(phenylazo)-
58.	Fumaric acid, butyl 4-octyl ester
59.	3-Phenylpropionamide, N-cyclopentyl-N-[1-ca
60.	Benzenamine, N,N dimethyl-4-(2-pyridinylazo
61.	(2-Fluorophenyl)methyl acetate
62.	D-Galactopyranoside, 2,3,4,6-tetra-O-acetyl-1-
63.	Methyl tetraacetyl-beta-D-galactopyranoside
64.	4-Benzyloxy-2-methylpyridine 1-oxide
65.	Methyl 2,3,4,6-tetra-O-acetyl-alpha-D-glucop
66.	1(2H)-naphthalenone, 5-amino-3,4-dihydro-
67.	[1-(5-Trifluoromethyl-1H-pyrazol-3-yl)-cycloh
68.	Pyrrolidine, 1-(1-cyclohexen-1-yl)-
69.	Benzoic acid, 5-(1,1-dimethylethyl)-2-hydroxy
70.	Ethanedione, di-3-pyridinyl-
71.	2H-3,1-Benzoxazine, 2-[4-(dimethylamino)ph
72.	Ethoxyquin





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73.	Fumaric acid, 3-methylbut-2-yl pentyl ester
74.	Benzeneethanamine, N-benzoyl
75.	1H-Imidazole, 4,5-dihydro-2-(4-methoxyphen
76.	Pyrrolidine, 1-(1-cyclohexen-1-yl)-
77.	Tricyclo[7.3.0.0(1,8)]dodecan-12-one, cis-1,9
78.	Benzeneamine, N-(phenyl-4-pyridinylmethylene
79.	3-Ethyl-2-methyl-6-n-propyl-4-(2-furyl)pyridi
80.	4a-Piperidyl hexahydrobiphenylene
81.	Cyclohexanol, 2-chloro-1-[N-cyclohexyl-(2-im
82.	Cyclohepta[cd][2]benzothiophene, 2,6,7,8,9,9
83.	Naphthalene-1-carboxylic acid [4-(morpholine
84.	2-Methyl-N-(2-methyl-6-((4-methylphenyl)ca
85.	2(3H)-Oxazolone, dihydro-4-hydroxy-4,5-dim
86.	1H-Quinoline-4-one, 1,2,3,4,5,6,7,8-octahydro
87.	Acetamide, N-[1-(4-propyl-4H-1,2,4-triazol-3
88.	Benzamide, N-(2-benzylphenyl)-
89.	Spiro[2.4]heptane, 1-phenyl-5-(phenylmethyl)
90.	Propionic acid, 5-(3-ethoxy-4-methoxybenzyl)
91.	Con-9(11)-en-12-one
92.	1-Phenyl-1-[2-pyridyl]-n-pentane
93.	5-(4-Methoxycinnamoyl)-2-methyl-pyridine
94.	5-(3,4,4-Trimethylpentyl)-2-pyridinecarboxyl
95.	2-Cyclopenten-1-one, 3,4,4-trimethyl-
96.	Pyrido[3,4-b]indole, 3,4-dihydro-6-methoxy-1
97.	Triphenylphosphine oxide
98.	Methanamine, N,N-dimethyl-(4-[3-methyl-1-b
99.	O-Cresol, alpha, alpha'-(tetramethylenedinitr
100.	2-Methyl-5-methoxyhomotryptamine
101.	1-(Prop-2-enyl)-1-(2-methylphenyl)amino cycl
102.	1,12-Dicarbododecaborane, 2-(2-perhydroaze
103.	1,2,2,4,4,5,6,7-Octamethylbicyclo[3.2.0]hept-
104.	2,2'-Thiodiacetamide, N,N'-dicyclohexyl-
105.	1,2,2,4,4,5,6,7-Octamethylbicyclo[3.2.0]hept-
106.	(p-Furfurylphenyl)dimethylamine
107.	Androst-1-en-3-one, (5 alpha)
108.	4-Amino-3,5-diethylpyridine
109.	N-Benzhydrylidene-1-(2,4,6-trimethylphenyl)e
110.	Cyclohexyl-(3a,6-dimethyl-3a,4,5,7a-tetrahydr

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111.	Pulegone semicarbazone
112.	Benzene, pentafluoromethoxy-
113.	2,3,4,6,8,9,10,11-Octahydro-6-oxo-1H-pyrido
114.	Dihydro-iso-solanidine 3,5-dinitrobenzoate
115.	Benzimidazole, 2-cyclohexyl

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Reviewed by
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Jashasmin
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ANALYSIS REPORT

Encl. Report No.23/WCS-561-4(23-12-429)

Quantitative Result Table

Sl.No	Name of Compound(s)
1	Benzyl alcohol
2	5-Chloro-o-anisidine
3	N,N-Diethylaniline
4	Benzenamine, 2,4-dimethoxy-
5	Acetamide, N-cyclohexyl-
6	2-Mercapto-1,3-benzoxazole
7	Pyridine, 2-(phenylmethyl)-
8	Acetamide, N-(2-phenylethyl)-
9	Pyridine, 3-(phenylmethyl)-
10	Benzenamine, 4-chloro-2-nitro-
11	(Hexahydropyridizin-3-ylidene) acetaldehyde
12	Pyridine, 2-(2-phenylethyl)-
13	2-Pyridinemethanol, alpha-phenyl-
14	Methanone, phenyl-2-pyridinyl-
15	2H-1,2,3,4-Tetrazole, 5-[4-(difluoromethoxy)]-
16	hydrazinecarboxamide, 2-(4-nitrophenyl)-N,N
17	Dibenzylamine
18	Bicyclo[2.2.2]oct-2-ene, 5-(ethoxycarbonyl)-
19	1H-Benzimidazole, 5-methoxy-
20	Tolmetin
21	1-(2-Aminophenyl)-1-phenylethanol
22	Hydrazinecarboxamide, N,N-diphenyl-
23	Fumaric acid, butyl pent-4-en-2-yl ester
24	1,4-benzenedimethanethiol, 2,5-dimethoxy-
25	Methyl tetraacetyl-beta-D-galactopyranoside
26	1-(1-Ascorbic acid 2,6-dihexadecanoate
27	Benzoic acid, 5-(1,1-dimethylethyl)-2-hydroxy
28	1,2,4,6-Tetraacetyl-D-glucose
29	Tetra-O-acetyl-D-mannopyranose
30	2H-3,1-Benzoxazine, 2-[4-(dimethylamino)]ph
31	2(4aH)-Anthracenone, 3,4,5,6,7,8,10,10a,-oct
32	Scopoletin
33	Benzeneethanamine, N-benzoyl
34	Triaziquone
35	Pyrrolidine, 1-(1-cyclohexen-1-yl)-

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36.	Tricyclo[7.3.0.0(3,8)]dodecan-12-one, cis-1,9
37.	Acetaldehyde, (1,3-dihydro-1,3,3-trimethyl-2H
38.	Cyclohexanol, 2-chloro-1-[N-cyclohexyl-(2-im
39.	Benzene, 1,1'-(1,3,5,7-octatetracene-1,8-diyl)bi
40.	3a,7-Methano-3aH-cyclopentacyclooctene, 1,4
41.	2-Methyl-N-(2-methyl-6-((4-methylphenyl)oa
42.	Acetamide, N-[1-(4-propyl-4H-[1,2,4]triazol-3
43.	Nonanoylhydrazide, N2-(2-hydroxynaph-1-yl
44.	Ethanol, 2-[2-(2-phenoxyethoxy)ethoxy]
45.	Triphenylphosphine oxide
46.	22,25-iso-Solamidin-3-one
47.	Ethanol, 2-[2-(2-phenoxyethoxy)ethoxy]
48.	Quinoline, 7-methoxy-2,2,4-trimethyl-1,2-dihy
49.	Metralindole
50.	9-Borabicyclo[3.3.1]nonane, 9-piperidino-
51.	1,2,2,4,4,5,6,7-Octamethylbicyclo[3.2.0]hept-
52.	(p-Furfurylphenyl)dimethylamine
53.	1-(Hexahydropyrrrolizin-3-ylidene)-3,3-dimeth
54.	Cyclohexyl-(3a,6-dimethyl-3a,4,5,7a-tetrahydr
55.	Pulegone semicarbazone
56.	3-Dibenzofurazamine

Opinion and Interpretation: Not Applicable.
Note: 1) The results relate only to the items tested.
2) The results shall not be reproduced except in full without approval of lab.
3) Customer provided information may effect the validity of the test report.

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***** END OF THE REPORT *****



CENTRAL LABORATORY

Annexure - III

Analysis Report

Reg. No. SR/05/TSPCB/IO/R00/LAB/2024/24/03/402-405

Collected by: ES (Unit - 8), Central lab along with AES, RO - Nalgonda

Collected on: 21/03/2024

Received on: 21/03/2024

Test method: Standard Methods of APHA, 24th Edition

Quantity of the sample: 1 ltr. sample each

Issue date: 30/03/2024

Page No: 1 of 2

Sample code : Sample details / collection point

- 24/03/402 - Unused Borewell near residence no.5-120 of Sri Ravula Viswaroopa Reddy., Sy.No.321, Jiblakpally Revenue Village, Anthammagudem (V), Pochampally (M), Yadadri bhuvanagriri District., (GPS Coordinates: 17° 17' 42.5" N & 78° 49' 55.5" E)
- 24/03/403 - Agricultural Borewell of Sri Ravula Viswaroopa Reddy (North side), Sy.No.321, Jiblakpally Revenue Village, Anthammagudem (V), Pochampally (M), Yadadri bhuvanagriri District., (GPS Coordinates: 17° 17' 45" N & 78° 50' 00.1" E)
- 24/03/404 - Agricultural Borewell of Sri Ravula Viswaroopa Reddy., (South side), Sy.No.321, Jiblakpally Revenue Village, Anthammagudem (V), Pochampally (M), Yadadri bhuvanagriri District., (GPS Coordinates: 17° 17' 44.9" N & 78° 50' 00.1" E)
- 24/03/405 - Agricultural Borewell of Sri Ravula Viswaroopa Reddy., Sy.No.326, Jiblakpally Revenue Village, Anthammagudem (V), Pochampally (M), Yadadri bhuvanagriri District., (GPS Coordinates: 17° 17' 47.5" N & 78° 50' 06.1" E)

Parameters	Unit	Method No.	Results				Drinking water standards as per IS 10500: 2012	
			24/03/402	24/03/403	24/03/404	24/03/405	Acceptable Limit	Permissible Limit
pH at 25° c	-	4500-H + B	6.80	7.11	7.35	7.38	6.5-8.5	No relaxation
Electrical conductivity at 25° c	µS/cm	2510-B	3098	3028	2000	1941	-	-
Total Dissolved Solids	mg/L	2540 C	1971	1852	1108	1038	500	2000
Total Suspended Solids	mg/L	2540-D	31	08	11	13	-	-
Total Alkalinity as CaCO ₃	mg/L	2320 B	336	324	332	296	200	600
Chlorides as Cl ⁻	mg/L	4500-Cl-B	755	760	375	420	250	1000
Sulphates as SO ₄ ²⁻	mg/L	4500-SO4-2 B	287	300	169	172	200	400
Total Hardness as CaCO ₃	mg/L	2340 C	1350	1390	790	920	200	600
Calcium as Ca+2	mg/L	3500-Ca B	220	216	116	160	75	200
Magnesium as Mg+2	mg/L	3500-Mg B	194	207	122	126	30	100
Phosphates	mg/L	4500-P,D	0.225	BDL	BDL	BDL	-	-
Fluorides	mg/L	4500-F D	0.74	0.11	0.3	BDL	1.0	1.5
Nitrates	mg/L	4500 - NO ₃ B	30	22	18	29	45	No relaxation
Potassium as K	mg/L	3500-K B	15.0	0.76	1.5	2.4	-	-
Sodium as Na	mg/L	3500-Na B	129	144	163	90	-	-
Chemical Oxygen Demand	mg/L	5220 B	45	35	34	27	-	-
Heavy Metals								
Copper	mg/L	3111- B	0.019	0.019	0.019	0.013	0.05	1.5
Zinc	mg/L	3111- B	0.402	0.143	0.03	0.024	5	15
Cadmium	mg/L	3111- B	ND	ND	ND	ND	0.003	No relaxation
Lead	mg/L	3111- B	0.110	0.031	ND	0.306	0.01	No relaxation
Total Chromium	mg/L	3111 D	ND	0.008	0.008	0.008	0.05	No relaxation

Note: Results related to sample as received.

[Signature]
 Joint Chief Environmental Scientist

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TELANGANA STATE POLLUTION CONTROL BOARD
Paryavaran Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

CENTRAL LABORATORY
Analysis Report

Reg. No.SR/05/TSPCB/HO/R00/LAB/2024/24/03/402-405
Collected on: 21/03/2024
Test method: Standard Methods of APHA, 24th Edition
Issue date: 30/03/2024

Collected by: ES (Unit – 8), Central lab along with AES, RO - Nalgonda
Received on: 21/03/2024
Quantity of the sample: 1 ltr. sample each
Page No: 2 of 2

Sample : Sample details / collection point
code

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Parameters	Unit	Method No.	Results				Drinking water standards as per IS 10500: 2012	
			24/03/ 402	24/03/ 403	24/03/ 404	24/03/ 405	Acceptable Limit	Permissible Limit
SAR	-	-	1.5	1.7	2.5	1.3	-	-
% Sodium		%	17	18	31	17	-	-

Note: Results related to sample as received.

Joint Chief Environmental Scientist