



**TRUALT™**  
BIOENERGY

**TRUALT BIOENERGY LIMITED**  
(FORMERLY KNOWN AS TRUALT ENERGY LIMITED)

☎ 080 - 23255000 | 23255600  
✉ contact@trualtbioenergy.com  
🌐 www.trualtbioenergy.com

GSTIN - 29AAICT5347A1ZB

Date: 09.09.2025

Ref: TBL 03/KSPCB-ES/2025-26/77

To,  
The Environmental Officer,  
Regional Bagalkot,  
Karnataka State Pollution Control Board,  
Sector No. -07, By-Pass Road,  
Navanagar- BAGALKOT-587102

**Sub:** Submission of Environmental statement for the year 2024-25 --- reg.

Dear Sir,

This has refer to above cited subject, we are herewith submitting the Environmental statement (Form -V) for the period of April 2024 to March 2025 & for the financial year ending with March 2025.

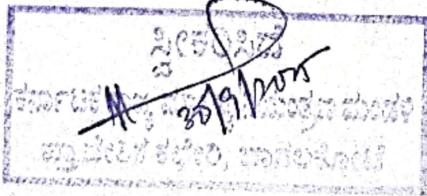
Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,  
For TruAlt Bioenergy Ltd. Unit - 03.

*[Handwritten signature]*

Authorised Signatory,



TruAlt Bioenergy Ltd. Unit - 03

Page | 1

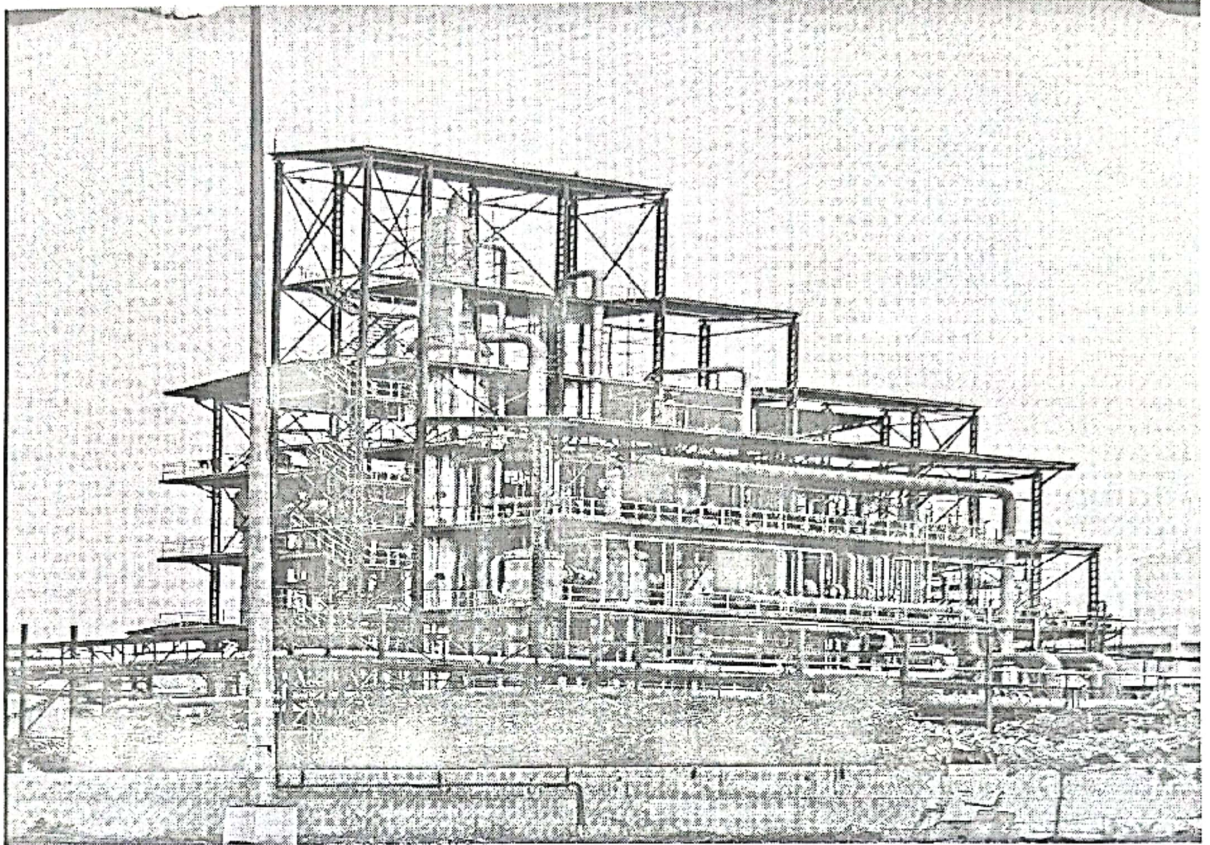
**Registered Office :**  
Survey No. 166, Kulali Cross, Jamkhandi  
Mudhol Road, Bagalkot, Karnataka - 587313, India

**Corporate Office :**  
#S-904 /A, 9th Floor, World Trade Center, Brigade Gateway Campus,  
#26/1, Dr Rajkumar Road, Malleswaram West, Bengaluru - 560 055



Scanned with OKEN Scanner





## ENVIRONMENTAL AUDIT STATEMENT

**SUBMITTED**

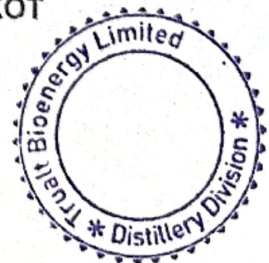
**TO**

**KARNATAKA STATE POLLUTION CONTROL BOARD  
REGIONAL OFFICE, BAGALKOT.**

**BY**

**TruAlt Bioenergy LIMITED Unit - 03**

**KALLAPUR SK, TALUKA -BADAMI, DIST-BAGALKOT  
KARNATAKA.**



TruAlt Bioenergy Ltd. Unit – 03

Page | 2



## ENVIRONMENTAL AUDITING

Environmental auditing is a management tool to objectively and systematically evaluate environment management systems with the following objectives:

- i) Waste prevention and reduction.
- ii) Assessing compliance with regulatory requirements.
- iii) Placing environmental information in the public domain.

Compliance with the regulatory norms, through adoption of clean technologies and improvement in management practices for prevention and control of pollution is not only mandatory but also has got wide acceptance among the industrial community. Charter on Corporate Responsibility for Environmental Protection (CREP) also calls for commitment and voluntary initiatives of industry for responsible care of the environment, which will help in building a partnership for pollution control.

In view of the fact that the enforcement agencies are many times not equipped fully in terms of man power & other infrastructure to identify violation of Pollution Control norms by Industries and since there is every likelihood that the enforcement agencies may monitor only limited number of industries spread over in different areas in the entire state, the Government intends to introduce a new scheme by the name "Environmental Auditing Scheme". In this scheme, technically qualified professionals (Auditors) become link between Industries, enforcement agencies and Association of Industries, with added vital elements of Accountability and Transparency.





**OBJECTIVES:**

The environmental audit helps in pollution control, improved safety and health & conservation of natural resources and hence its overall objective can be stated as achieving of sustainable development.

**The objectives of environmental audit in an industry are:**

1. To determine the mass balance of various materials used and the performance of various process equipment so as to identify the usage of materials in excess than required and to review the conservation efficiencies of process equipment and accordingly fix up norms for equipment / operations performance and minimization of wastes.
2. To identify the areas of water usage, waste water generation and determine the characteristics of wastewater.
3. To determine the emissions, their sources, quantities and characteristics.
4. To determine the solid waste and hazardous waste generated, their sources, their quantities and characteristics.
5. To identify the possibilities of waste minimization and recovery and recycling of waste.
6. To determine the performances of the existing waste water treatment / control.
7. To consider system to modify or install additional control equipment accordingly.
8. To adopt 4R concept: Reduce-Reuse-Recycle-Recover.





**ABOUT THE INDUSTRY:**

**TruAlt Bioenergy LIMITED Unit- 03** located at Kallapur SK village, Badami -Taluka, Bagalkot - District— 587155. The distillery having capacity is 8 MW Captive Power Plant & 400 KLPD with incineration Boiler of 52 TPH steam flow capacity and the same were commissioned in the September 2021.

| Sl. No. | Name of the Unit    | Capacity |
|---------|---------------------|----------|
| 1       | Captive Power Plant | 08 MW    |
| 2       | Distillery          | 400 KLPD |

This unit is engaged in the production of Sugar as per the customer needs. This unit located in the area comprising of agricultural fields. The area has good facilities for setting up and running industries. General topography of the region is a flat and undulating terrain. The area is dry with black cotton soil and also some area sandy loam and the ambient temperature varies between 28 - 43 °C.

| Sl. No. | Description                               | Area        |
|---------|---|-------------|
| 1       | Total Area of the Factory                 | 12.26 Acres |
| 2       | Built-up Area including Roads & cane yard | 07.94 Acres |
| 3       | Existing green belt                       | 4.32 Acres  |





FORM - V

Environmental Statement for the financial year ending 31.03.2025

(From April -2024 to March -2025)

PART- A

General Information:

1. Name of the Industry : **TruAlt Bioenergy Ltd Unit-03,**

Kallapur SK, Taluk - Badami,

Dist – Bagalkot, PIN: 587155, Karnataka.

2. Applicant Name: **PRAKASH M. SUTAR**

Dept. General Manager–EHS

3. E-mail Address: mrn.environment@niranigroups.com

4. Products Manufactured: RS/ENA/IS/Ethanol

5. Year of Commissioning: Distillery – September 2021.

6. Operation During the period of Audit:

a. Working days per year: Distillery – 236 Days

b. Working days per week : 7 Days

c. No. of shifts : 3 Shifts

7. No. of Employees : During Season – 100

During Off Season – 40



TruAlt Bioenergy Ltd. Unit – 03

Page | 6



**PART- B****1. FRESH WATER CONSUMPTION (2024 - 2025 SEASON)**

Fresh Water Consumption in KL/Year

- a. Process : 387000 KL  
 b. Industrial Cooling : 19355 KL  
 c. Domestic Purpose : 5300 KL

| Sl. No.      | Operation/Particulars  | Current Financial Year 2024- 25<br>(KL) |
|--------------|------------------------|---|
| 1            | Domestic               | 5300                                    |
| 2            | Process                | 387000                                  |
| 3            | Cooling                | 19355                                   |
| 4            | Others (Fire Fighting) | 0                                       |
| <b>Total</b> |                        | <b>411655</b>                           |

| Sl. No.      | Description                        | Recycled to   | 2024-25<br>(KL/Year) |
|--------------|------------------------------------|---|----------------------|
| 1            | Boiler Blow Down                   | Co-gen Cooling Tower  | 16522                |
| 2            | Co-gen Cooling Blow Down           | Sugar Service Water Tank  | 25960                |
| 3            | Hot Water Recycling                | Sugar/Co-gen Cooling Tower  | 21760                |
| 4            | Process Condensate &<br>Spent Lees | Distillery Cooling Tower<br>make-up & for Fermentation<br>Process | 200986               |
| 5            | Cooling Tower Purge                | Distillery Cooling Tower<br>make-up                               | 105546               |
| <b>Total</b> |                                    |   | <b>371774</b>        |



TruAlt Bioenergy Ltd. Unit – 03

Page | 7



## 2. Recycle and Reuse:

### a. Waste prevention and reductions:

The industry has adopted water conservation measures for the optimal use of water. The industry has adopted recycling of Boiler blow down and cooling tower blow down since commencement of the distillery plant. The total recycled water quantity was **371774 KLD** in 2024-25 season.

### b. Compliance with regulatory requirements:

During 2024-25 season, the industry has operated the Distillery for 236 days. The fresh water consumption was 1744 KL/Day during 2024-25 season. However, the water consumption is well within the consent limit.

### c. Waste prevention and reduction:

The sewage water from toilets & urinals is discharged in to the septic tank followed by soak pit. The boiler blow down is reused to the co-gen cooling tower after treatment. The cooling tower blow down water is reused to the make-up water tank after treatment. The regeneration and backwash water of PCTP is used for green belt development. The process condensate & spent lees is recycled to fermentation process and also for cooling tower as make- up water. Spent wash used in boiler as fuel.

### d. Compliance with regulatory requirements:

The treated water from PCTP is reused and recycled for fermentation process & for cooling tower make up along with manufacturing process.





# ENVIRONMENTAL AUDIT STATEMENT FOR THE FINANCIAL YEAR 2024-25

## 3. DETAILS OF RAW MATERIAL CONSUMPTION AND PRODUCTS:

| Sl. No. | NAME OF THE MATERIAL    | UTILIZATION | Consumption of Raw Materials in the current FY 2024-25 |
|---------|-------------------------|-------------|--|
| 1.      | Molasses                | Distillery  | 111483.880 MT  |
| 2.      | Cane Syrup              | Distillery  | 98593.00 MT  |
| 3.      | Sodium Meta Bi Sulphite | Distillery  | 6426.50 Kgs.   |
| 4.      | Yeast                   | Distillery  | 31536.00 Kgs.  |
| 5.      | CWR Plus                | Distillery  | 2531.00 Kgs.   |
| 6.      | CWR Pro                 | Distillery  | 0.00 Kgs.  |
| 7.      | Neutrizime              | Distillery  | 7288.00 Kgs.   |
| 8.      | DAP                     | Distillery  | 52628.800 Kgs.   |
| 9.      | TRO                     | Distillery  | 16600.00 Kgs.  |
| 10.     | Zinc Sulphate           | Distillery  | 6571.00 Kgs.   |
| 11.     | MgSO4                   | Distillery  | 8597.00 Kgs.   |
| 12.     | Biocide                 | Distillery  | 0.00 Kgs.  |
| 13.     | Caustic Soda Flakes     | Distillery  | 137350.00 Kgs.   |
| 14.     | Bleaching Powder        | Distillery  | 1780.00 Kgs.   |

| PRODUCT DETAILS |                         |               |
|-----------------|-------------------------|---------------|
| Sl. No.         | Particulars             | Quantity      |
| 1               | Ethanol from Molasses   | 15719147 Lit. |
| 2               | Ethanol from Cane Syrup | 29876026 Lit. |
| 3               | ENA                     | 15300000 Lit. |
| 4               | RS                      | 1184637 Lit.  |
| 5               | IS                      | 2222847 Lit.  |

### 1. Waste prevention and reductions:

The industry has adopted conservation measures for the optimal use of resources.

### 2. Compliance with regulatory requirements.

The RS/ENA/Ethanol production capacity was at an average 291.31 KLD. This complies with the consent of 400 KLPD of Distillery.



TruAlt Bioenergy Ltd. Unit – 03

Page | 9



## PART – C

## POLLUTANTS DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT

(Parameters as specified in the consent issued)

| Pollutants   | Quantity of Pollutants discharged in mass/day | Concentration of Pollutants in discharges (mass/volume) | Percentage of variation to prescribed standards with reasons                    |
|--|---|---|---|
| 1. Waste Water:  | Attached as Annexure -I                       |   | All the parameters are within the limits as specified by KSPCB.                 |
| 2. Air:<br>a. Ambient Air Quality<br>b. Stack Monitoring | Attached as Annexure -II                      |   | All the Ambient & Stack parameters are within the limits as specified by KSPCB. |
| 3. Noise:  | Attached as Annexure-III                      |   | Noise level is within the limit as specified by KSPCB.                          |

## i) Waste prevention and reduction:

The industry has adopted Air Pollution controlling measures for the minimization of air pollution from the incineration Boiler. An Electro Static Precipitator (ESP) is equipped to control the air pollution. The Ambient Air Quality and Stack Emissions are well within the limits prescribed by KSPCB.



TruAlt Bioenergy Ltd. Unit – 03

Page | 10



## ENVIRONMENTAL AUDIT STATEMENT FOR THE FINANCIAL YEAR 2024-25

### ii) Compliance with regulatory requirements:

Both chimney of height 85 meter along with ESP along with acoustic control measures have been adopted for incineration boiler 52 TPH. The stack monitoring reports are well within the standards as laid down by the Board.

## PART-D

### HAZARDOUS WASTES

*(As specified under the Hazardous Waste / Management and Handling Rules, 2008)*

| Hazardous / Non-Hazardous Wastes            | Total Quantity                       |
|---|--------------------------------------|
|   | Current Financial Year<br>2024-25 MT |
| <b>a. From Process</b>                      |                                      |
| 1. Spent Oil                                | 0.140                                |
| 2. Cotton Waste                             | 0.175                                |
| 3. Waste Containers                         | 0.150                                |
| <b>b. From Pollution Control Facilities</b> |                                      |
| Boiler Ash (Non-Hazardous Waste)            | 4898.00 MT                           |

### i) Waste prevention and reduction:

The industry has adopted safety measures for handling the hazardous wastes. Wastes are stored in MS containers and stored in the separate yard. The collected waste oil is reused as lubricant in track Chain carriers / bagasse conveyors / elevators etc inside the factory premises.

### ii) Compliance with regulatory requirements:

The waste oil from the DG is not exceeding the consent limits and also waste oil residue. The industry is complying with the hazardous waste (Management and handling) Rules 2008 as amended in 2010.

## PART-E

TruAlt Bioenergy Ltd. Unit – 03





**SOLID WASTES**

| Particulars                                 | Total Quantity in MT   |
|---|--|
|   | Current Financial Year 2024-25   |
| <b>a) From Process</b>                      |  |
| 1. Spent Wash                               | 416496 MT  |
| <b>b) From Pollution Control Facilities</b> |  |
| 1. Boiler Ash                               | 4898.00MT  |
| <b>c) Quantity Recycled or Reutilize</b>    | 1. Spent wash is used as fuel in incineration Boiler.<br>2. The Boiler ash is sold to brick manufacturers. |

**I. Waste prevention and reduction.**

The industry has adopted solid waste management practices for proper tracking and managing the wastes in order to recover the energy. The Spent wash is used as a fuel in boiler and ash is sold to brick manufacturer & for manure.

**II. Compliance with regulatory requirements.**

The industry is managing the solid waste like ash from boilers in a manner such that it is not causing any pollution.

**PART- F**

Please specify characterization (in terms of composition and quantum) of hazardous as well as solid waste indicates disposal practice adopted for both these categories of wastes:

| Nature of Wastes          | Quantity/Year MT | Mode of Disposal  |
|---------------------------|------------------|---|
| <b>a)Hazardous Wastes</b> |                  |   |
| 1. Spent Oil              | 0.140            | Collected in MS/HDPE barrels and used as lubricant in the track chain conveyors/ bagasse conveyors/ elevators, etc.. Inside the factory premises. |
| 2. Cotton Waste           | 0.175            | Used as fuel in Boiler  |
| 3. Waste Containers       | 0.150            | Cleaned & reused  |
| <b>b. Solid Wastes</b>    |                  |   |





## ENVIRONMENTAL AUDIT STATEMENT FOR THE FINANCIAL YEAR 2024-25

|               |            |                             |
|---------------|------------|-----------------------------|
| 1. Boiler Ash | 4898.00 MT | Sold to brick manufacturers |
| 2. Spent wash | 416496 KL  | Used as fuel in the Boiler. |

### PART- G

**Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production:**

1. For Chemicals in Effluent Treatment Plant.
2. The treated effluent is used to develop green belt and planted trees and also for gardening in the factory premises.

### PART- H

**Additional investment proposal for environmental protection including abatement of pollution:**

1. Industry has developed the green belt area of about 4.38 acre.
2. Good housekeeping is being maintained in the factory premises.
3. The industry has implemented a recycling treatment unit to recycle the vapor condensate to process and cooling tower make-up purposes.
4. Water spraying on the main roads to avoid the dust pollution occurring due to cane vehicles during the season.
5. Online Air monitoring unit and online effluent treated water monitoring equipment are provided for close monitoring.

### PART - I

***Any other particulars far improving the quality of the environment:***

The industrial management adopted pollution control measures for protecting surrounding environment. The concentration of pollutants is well within the limits as prescribed by the KSPCB.

- a. An Environmental Cell / Committee have been formed.
- b. The factory has a full-fledged PCTP/CPU to treat condensate & lees.
- c. Industry having well equipped Laboratory for carrying out water and wastewater Analysis.
- d. Environmental protection and pollution control has been the priority for the industry.
- e. Reuse of backwash water for firefighting and as well as in the sugar



TruAlt Bioenergy Ltd. Unit – 03

Page | 13



## ENVIRONMENTAL AUDIT STATEMENT FOR THE FINANCIAL YEAR 2024-25

unit to reduce the fresh water consumption.

- f. Reuse of process condensate & lees water after treatment as for process along with cooling tower makes up to reduce the fresh water consumption.
- g. Spraying of water on bagasse to arrest fugitive emissions.

**For TruAlt Bioenergy Limited Unit -03**



**Authorized Signatory,**



TruAlt Bioenergy Ltd. Unit – 03

Page | 14







Format No: NTLR/7.8/F/04-C/09

Page 1 of 1

**Name of Customer and Address:**

TRUALT BIOENERGY LIMITED,  
Unit-III, 47/1, 47/2, 48, 72, 73, 74,  
Kallapur S K, Kanapur S K,  
Bagakot-587155.

**Customer Reference:**

PO NO : 7200000055

Date : 30-11-2024

**Sampling Location:**

Near Main Gate

**Sample Description:**

PM<sub>10</sub> & PM<sub>2.5</sub> Filter Papers, SO<sub>2</sub> & NO<sub>2</sub> Solutions

**TEST REPORT**

Report Number:

NTLR/MAR/2025-26/162

Sample Number:

NTLR/MAR/2025-26/162

Type of Sample:

AIR – AMBIENT

Discipline :

Chemical

Group:

Atmospheric Pollution

Sample Collected by:

Nichrome Testing Laboratory  
and Research Private Limited

Particulars of Sample Collected:

Respirable Dust Sampler  
Fine Particulate Sampler

Environmental Condition:

30° C

Date of Collection:

19/03/2025

Date of Sample Receipt:

19/03/2025

Date of Analysis Started:

20/03/2025

Date of Completion:

22/03/2025

Date of Report:

22/03/2025

Wind Direction:

South East

Specification Standard

NAAQ

**RESULTS**

| SL.NO | PARAMETERS         | UNIT              | SAMPLING METHOD   | TEST METHOD      | RESULT | STANDARDS |
|-------|--------------------|-------------------|-------------------|------------------|--------|-----------|
| 1     | PM <sub>10</sub>   | µg/m <sup>3</sup> | IS 5182(Part-23)  | IS 5182(Part-23) | 61.9   | 100       |
| 2     | PM <sub>2.5</sub>  | µg/m <sup>3</sup> | IS 5182 (Part-24) | IS 5182(Part-24) | 26.7   | 60        |
| 3     | Sulphur di Oxide   | µg/m <sup>3</sup> | IS 5182(Part-2)   | IS 5182(Part-2)  | 5.79   | 80        |
| 4     | Oxides of Nitrogen | µg/m <sup>3</sup> | IS 5182(Part-6)   | IS 5182(Part-6)  | 11.1   | 80        |

Inference as per NAAQ Standards

Above tested parameters are conforming to standards.



:-END OF REPORT:-

Authorized Signatory  
Channabasappa Maikar (Chemical)



**Note:**

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed under applicable law.





CIN: U74900KA2013PTC069193

MOU WITH VARIOUS EDUCATIONAL,  
GOVERNMENT AND PRIVATE AGENCIES

**NICHROME TESTING LABORATORY  
AND RESEARCH PRIVATE LIMITED**

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR  
DHARWAD, KARNATAKA, INDIA PIN: 580 008  
PH: 0836-2771115, 2778521

email: nicechem@gmail.com, website: nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/7.8/F/04-C/09

Page 1 of 1

**TEST REPORT**

**Name of Customer and Address:**

TRUALT BIOENERGY LIMITED,  
Unit-III, 47/1, 47/2, 48, 72, 73, 74,  
Kallapur S K, Kanapur S K,  
Bagakot-587155.

**Customer Reference:**

PO NO : 7200000055

Date : 30-11-2024

**Sampling Location:**

Near Distillery

**Sample Description:**

PM<sub>10</sub> & PM<sub>2.5</sub> Filter Papers, SO<sub>2</sub> & NO<sub>2</sub> Solutions

**Report Number:**

NTLR/MAR/2025-26/163

**Sample Number:**

NTLR/MAR/2025-26/163

**Type of Sample:**

AIR – AMBIENT

**Discipline :**

Chemical

**Group:**

Atmospheric Pollution

**Sample Collected by:**

Nichrome Testing Laboratory  
and Research Private Limited

**Particulars of Sample Collected:**

Respirable Dust Sampler

Fine Particulate Sampler

**Environmental Condition:**

30° C

**Date of Collection:**

19/03/2025

**Date of Sample Receipt:**

19/03/2025

**Date of Analysis Started:**

20/03/2025

**Date of Completion:**

22/03/2025

**Date of Report:**

22/03/2025

**Wind Direction:**

South East

**Specification Standard**

NAAQ

**RESULTS**

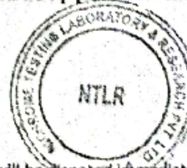
| SLNO | PARAMETERS         | UNIT              | SAMPLING METHOD   | TEST METHOD      | RESULT | STANDARDS |
|------|--------------------|-------------------|-------------------|------------------|--------|-----------|
| 1    | PM <sub>10</sub>   | µg/m <sup>3</sup> | IS 5182(Part-23)  | IS 5182(Part-23) | 70.2   | 100       |
| 2    | PM <sub>2.5</sub>  | µg/m <sup>3</sup> | IS 5182 (Part-24) | IS 5182(Part-24) | 24.3   | 60        |
| 3    | Sulphur di Oxide   | µg/m <sup>3</sup> | IS 5182(Part-2)   | IS 5182(Part-2)  | 5.13   | 80        |
| 4    | Oxides of Nitrogen | µg/m <sup>3</sup> | IS 5182(Part-6)   | IS 5182(Part-6)  | 10.4   | 80        |

Inference as per NAAQ Standards

Above tested parameters are conforming to standards.



Authorized Signatory  
Channabasappa Maikar (Chemical)



..END OF REPORT:-

**Note:**

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law.







CIN: U74900KA2013PTC069193

MOU WITH VARIOUS EDUCATIONAL,  
GOVERNMENT AND PRIVATE AGENCIES

**NICHROME TESTING LABORATORY  
AND RESEARCH PRIVATE LIMITED**

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR  
DHARWAD, KARNATAKA, INDIA PIN: 580 008  
PH: 0836-2771115, 2778521

email: nicechem@gmail.com, website: nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/7.8/F/04-C/09

Page 1 of 1

**TEST REPORT**

**Name of Customer and Address:**

TRUALT BIOENERGY LIMITED,  
Unit-III, 47/1, 47/2, 48, 72, 73, 74,  
Kallapur S K, Kanapur S K,  
Bagakot-587155.

**Customer Reference:**

PO NO : 7200000055  
Date : 30-11-2024

**Sampling Location:**

Near Fermentation

**Sample Description:**

PM<sub>10</sub> & PM<sub>2.5</sub> Filter Papers, SO<sub>2</sub> & NO<sub>2</sub> Solutions

**Report Number:**

NTLR/MAR/2025-26/164

**Sample Number:**

NTLR/MAR/2025-26/164

**Type of Sample:**

AIR – AMBIENT

**Discipline :**

Chemical

**Group:**

Atmospheric Pollution

**Sample Collected by:**

Nichrome Testing Laboratory  
and Research Private Limited

**Particulars of Sample Collected:**

Respirable Dust Sampler  
Fine Particulate Sampler

**Environmental Condition:**

30° C

**Date of Collection:**

19/03/2025

**Date of Sample Receipt:**

19/03/2025

**Date of Analysis Started:**

20/03/2025

**Date of Completion:**

22/03/2025

**Date of Report:**

22/03/2025

**Wind Direction:**

South East

**Specification Standard**

NAAQ

**RESULTS**

| SL.NO | PARAMETERS         | UNIT              | SAMPLING METHOD   | TEST METHOD      | RESULT | STANDARDS |
|-------|--------------------|-------------------|-------------------|------------------|--------|-----------|
| 1.    | PM <sub>10</sub>   | µg/m <sup>3</sup> | IS 5182(Part-23)  | IS 5182(Part-23) | 57.9   | 100       |
| 2     | PM <sub>2.5</sub>  | µg/m <sup>3</sup> | IS 5182 (Part-24) | IS 5182(Part-24) | 21.4   | 60        |
| 3     | Sulphur di Oxide   | µg/m <sup>3</sup> | IS 5182(Part-2)   | IS 5182(Part-2)  | 4.40   | 80        |
| 4     | Oxides of Nitrogen | µg/m <sup>3</sup> | IS 5182(Part-6)   | IS 5182(Part-6)  | 9.72   | 80        |

Inference as per NAAQ Standards

Above tested parameters are conforming to standards.



Authorized Signatory  
Channabasappa Malkar (Chemical)



:-END OF REPORT:-

**Note:**

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information the customer shall be informed unless prohibited by law.







CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY  
AND RESEARCH PRIVATE LIMITED**

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR  
DHARWAD, KARNATAKA, INDIA PIN: 580 008  
PH: 0836-2771115, 2778521

email: nicechem@gmail.com, website: nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

MOU WITH VARIOUS EDUCATIONAL,  
GOVERNMENT AND PRIVATE AGENCIES

Format No: NTLR/7.8/F/03-C/09

Page 1 of 1

**TEST REPORT**

**Name of Customer and Address:**

TRUALT BIOENERGY LIMITED,  
Unit-III, 47/1, 47/2, 48, 72, 73, 74,  
Kallapur S K, Kanapur S K,  
Bagakot-587155.

**Customer Reference:**

PO NO : 7200000055  
Date : 30-11-2024

**Sampling Location:**

52 TPH Boiler

**Sample Description:**

Thimble, SO<sub>2</sub> & NO<sub>2</sub> Solution

**Report Number:**

NTLR/MAR/2025-26/165

**Sample Number:**

NTLR/MAR/2025-26/165

**Type of Sample:**

STACK

**Discipline :**

Chemical

**Group:**

Atmospheric Pollution

**Sample Collected by:**

Nichrome Testing Laboratory and  
Research Private Limited

**Particulars of Sample Collected:**

Stack Sampler & Flue Gas Analyzer

**Environmental Condition:**

30° C

**Date of Collection:**

19/03/2025

**Date of Sample Receipt:**

19/03/2025

**Date of Analysis Started:**

20/03/2025

**Date of Completion:**

22/03/2025

**Date of Report:**

22/03/2025

**Sample Condition:**

Satisfactory

**Specification Standard:**

KSPCB

**GENERAL DETAILS**

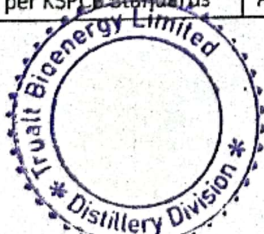
|  |                          |
|--|--------------------------|
| Fuel Used  | Thick Spent Wash+Bagasse |
| Height (m)   | 85                       |
| Diameter (m)   | 2.15                     |
| Stack Temperature °C   | 135                      |
| Ambient Temperature °C   | 30                       |
| Flue Gas Velocity (m/sec.)   | 9.33                     |
| Cross Sectional Area (m <sup>2</sup> )                               | 3.7312                   |
| Quantity of flue gas discharged into atmosphere (Nm <sup>3</sup> /h) | 93957.2                  |

**RESULTS**

| SL.NO | PARAMETERS         | UNIT               | SAMPLING METHOD   | TEST METHOD       | RESULT | STANDARDS     |
|-------|--------------------|--------------------|-------------------|-------------------|--------|---------------|
| 1     | Particulate Matter | mg/Nm <sup>3</sup> | IS 11255 (Part 1) | IS 11255 (Part 1) | 122.4  | 150           |
| 2     | Sulphur dioxide    | mg/Nm <sup>3</sup> | IS 11255 (Part 2) | IS 11255 (Part 2) | 10.2   | Not Specified |
| 3     | Oxides of Nitrogen | mg/Nm <sup>3</sup> | IS 11255 (Part 7) | IS 11255 (Part 7) | 35.4   | Not Specified |

Inference as per KSPCB Standards

Above tested parameters are conforming to standards.



Authorized Signatory  
Channabasappa Maikar (Chemical)

---END OF REPORT---

**Note:**

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed.





CIN: U74900KA2013PTC069193

MOU WITH VARIOUS EDUCATIONAL,  
GOVERNMENT AND PRIVATE AGENCIES

## NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR  
DHARWAD, KARNATAKA, INDIA PIN: 580 008

PH: 0836-2771115, 2778521

email: nicechem@gmail.com, website: nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/7.8/F/04-C/09

Page 1 of 1

### Name of Customer and Address:

TRUALT BIOENERGY LIMITED,  
Unit-III, 47/1, 47/2, 48, 72, 73, 74,  
Kallapur S K, Kanapur S K,  
Bagakot-587155.

### Customer Reference:

PO NO : 7200000055  
Date : 30-11-2024

### Sample Description:

Noise Data

## TEST REPORT

Report Number:

Sample Number:

Type of Sample:

Discipline :

Group:

Sample Collected by:

Sampling Method:

Particulars of Sample Collected:

Environmental Condition:

Sampling From:

Sampling Till:

Sate of Sample Receipt:

Date of Report:

Specification Standard:

NTLR/MAR/2025-26/166 To167

NTLR/MAR/2025-26/166 To167

AMBIENT NOISE (DAY)

Chemical

Atmospheric Pollution

Nichrome Testing Laboratory and  
Research Private Limited

IS 9989: 2014

Noise Level Meter

30° C

Date: 19/03/2025

Date: 19/03/2025

19/03/2025

20/03/2025

KSPCB Standards

## RESULTS

| S.No | Sampling Location | Sample Code | Time Frequency       | Results (Day Time)       |                          |                  |                                     |
|------|-------------------|-------------|----------------------|--------------------------|--------------------------|------------------|-------------------------------------|
|      |                   |             |                      | Maximum in<br>dB (A) Leq | Minimum in<br>dB (A) Leq | Leq in dB<br>(A) | Permissible Limits<br>in dB (A) Leq |
| 1    | Near Main Gate    | 166         | 10:00 am To 10:15 am | 76.2                     | 65.5                     | 72.9             | 75<br>(06:00 am To<br>10:00 pm )    |
| 2    | Near Process Area | 167         | 10:20 am To 10:35 am | 71.4                     | 64.5                     | 69.2             |                                     |

Inference as per KSPCB Standards

Above tested parameter is conforming to standards.



-:END OF REPORT:-

Authorized Signatory  
Channabasappa Maikar (Chemical)



### Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the Invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done







CIN: U74900KA2013PTC069193

MOU WITH VARIOUS EDUCATIONAL,  
GOVERNMENT AND PRIVATE AGENCIES

## NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR  
DHARWAD, KARNATAKA, INDIA PIN: 580 008  
PH: 0836-2771115, 2778521

email: nicechem@gmail.com, website: nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/7.8/F/04-C/09

Page 1 of 1

### Name of Customer and Address:

TRUALT BIOENERGY LIMITED,  
Unit-III, 47/1, 47/2, 48, 72, 73, 74,  
Kallapur S K, Kanapur S K,  
Bagakot-587155.

### Customer Reference:

PO NO : 7200000055  
Date : 30-11-2024

### Sample Description:

Noise Data

## TEST REPORT

Report Number:

Sample Number:

Type of Sample:

Discipline :

Group:

Sample Collected by:

Sampling Method:

Particulars of Sample Collected:

Environmental Condition:

Sampling From:

Sampling Till:

Date of Sample Receipt:

Date of Report:

Specification Standard:

NTLR/MAR/2025-26/168 To169

NTLR/MAR/2025-26/168 To169

AMBIENT NOISE (NIGHT)

Chemical

Atmospheric Pollution

Nichrome Testing Laboratory and  
Research Private Limited

IS 9989: 2014

Noise Level Meter

30° C

Date: 19/03/2025

Date: 19/03/2025

19/03/2025

20/03/2025

KSPCB Standards

## RESULTS

| S.No | Sampling Location | Sample Code | Time Frequency       | Results (Night Time)     |                          |                  |                                     |
|------|-------------------|-------------|----------------------|--------------------------|--------------------------|------------------|-------------------------------------|
|      |                   |             |                      | Maximum in<br>dB (A) Leq | Minimum in<br>dB (A) Leq | Leq in dB<br>(A) | Permissible Limits<br>in dB (A) Leq |
| 1    | Near Main Gate    | 168         | 10:00 pm To 10:15 pm | 68.7                     | 60.2                     | 65.2             | 70<br>(10:00 pm To<br>06:00 am )    |
| 2    | Near Process Area | 169         | 10:20 pm To 10:35 pm | 63.4                     | 58.5                     | 60.7             |                                     |

Inference as per KSPCB Standards

Above tested parameter is conforming to standards.



--END OF REPORT--

Authorized Signatory  
Channabasappa Maikar (Chemical)



### Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dhawad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law.

