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# ECOMEN MINING PRIVATE LIMITED

Gata No. 61, Mirzapur, Bakshi Ka Talab, Dist. Lucknow, Uttar Pradesh - 226 021
Phone No.: 0522 - 2746282 | Mob.: 9335947476/71/74,E-mail: contactus@ecomen.in, Website: www.ecomen.in
CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

TC-16791

## TEST REPORT

FORMAT NO. ECO/QS/FORMAT/13

| | | | |
|---|---|---|---|
| NAME & ADDRESS OF CUSTOMER: | UPAL Warehouse Address-1251/1252, Opp. Bank of Baroda, Raibareli, Road, Mohanlalganj, Lucknow | ULR No. | TC167912600007246F |
| | | Test Report No. | ECO/LAB/AN/0577/7246/05/2026 |
| | | Issue Date of Test Report | 26.05.2026 |
| Type of Sample | Noise Sample | | |
| Sample Registration No. | 0577 | Name of Location | Near DG Set |
| Sampling Method | As per Reference Method | Sample Collected By | EMPL Representative |
| Date of Sample Collection | 20.05.2026 to 21.05.2026 | Time of Sample Collection | 11:30 AM |
| Date of Sample Received | 21.05.2026 | Time of Sample Received | 06 30 PM |
| Start Date of Analysis | 21.05.2026 | End Date of Analysis | 26.05.2026 |
| Weather Condition | Sunny | Sampling Duration | Hourly |
| Environmental Condition | Temperature: 27 ± 2 °C<br>Humidity: 56 % | Sample ID Code | ECO/LAB/7246/05/2026 |

| Sl. No. | Locations | Day Time | | Night Time | |
|---|---|---|---|---|---|
| | | Time | Leq Value in dB(A) | Time | Leq Value in dB(A) |
| 1. | Near DG Set | 06.00 AM-10.00 PM | 70.61 | 10.0 PM – 06.00 AM | 55.76 |

**Statement of Conformity:** *Noise Level is meeting requirements as per CPCB Guidelines.*

### Noise (Ambient Standard)

| Area Code | Category of area | Limit in dB (A) Leq | |
|---|---|---|---|
| | | Day Time | Night Time |
| **A** | **Industrial Area** | **75** | **70** |
| B | Commercial Area | 65 | 55 |
| C | Residential Area | 55 | 45 |
| D | Silence Zone | 50 | 40 |

**Note:**

1. Day time is reckoned in between 6:00 AM and 10:00 PM.
2. Night time is reckoned in between 10:00 PM and 6:00 AM
3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

**----End of Report----**

**Verified By**

**Technical Manager**
**(Vikas Kumar)**

**Authorized By**

**Quality Manager**
**( Dr. Abhishek Kumar Singh)**

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CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

TC-16791

## TEST REPORT

FORMAT NO. ECO/QS/FORMAT/13

| | | | |
|---|---|---|---|
| NAME & ADDRESS OF CUSTOMER: | UPAL Warehouse Address-1251/1252, Opp. Bank of Baroda, Raibareli, Road, Mohanlalganj, Lucknow | ULR No. | TC167912600007247F |
| | | Test Report No. | ECO/LAB/AN/0577/7247/05/2026 |
| | | Issue Date of Test Report | 26.05.2026 |
| Type of Sample | Noise Sample | | |
| Sample Registration No. | 0577 | Name of Location | Inside Ware house Area |
| Sampling Method | As per Reference Method | Sample Collected By | EMPL Representative |
| Date of Sample Collection | 20.05.2026 to 21.05.2026 | Time of Sample Collection | 10:35 AM |
| Date of Sample Received | 21.05.2026 | Time of Sample Received | 06.30 PM |
| Start Date of Analysis | 21.05.2026 | End Date of Analysis | 26.05.2026 |
| Weather Condition | Sunny | Sampling Duration | Hourly |
| Environmental Condition | Temperature: 27 + 2 °C<br>Humidity: 56 % | Sample ID Code | ECO/LAB/7247/05/2026 |

| Sl. No. | Locations | Day Time | | Night Time | |
|---|---|---|---|---|---|
| | | Time | Leq Value in dB(A) | Time | Leq Value in dB(A) |
| 1. | Inside Ware House Area | 06.00 AM-10.00 PM | 68.54 | 10.0 PM – 06.00 AM | 53.76 |

**Statement of Conformity:** *Noise Level is meeting requirements as per CPCB Guidelines.*

### Noise (Ambient Standard)

| Area Code | Category of area | Limit in dB (A) Leq | |
|---|---|---|---|
| | | Day Time | Night Time |
| **A** | **Industrial Area** | **75** | **70** |
| B | Commercial Area | 65 | 55 |
| C | Residential Area | 55 | 45 |
| D | Silence Zone | 50 | 40 |

**Note:**

1. Day time is reckoned in between 6:00 AM and 10:00 PM.
2. Night time is reckoned in between 10:00 PM and 6:00 AM
3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

**----End of Report----**

**Verified By**

**Technical Manager**
**(Vikas Kumar)**

**Authorized By**

**Quality Manager**
**(Dr. Abhishek Kumar Singh)**

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# ECOMEN MINING PRIVATE LIMITED

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CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

TC-16791

## TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

| | | | |
|---|---|---|---|
| **NAME & ADDRESS OF CUSTOMER:** | **UPAL Warehouse Address-1251/1252, Opp. Bank of Baroda, Raibareli, Road, Mohanlalganj, Lucknow** | **ULR No.** | **TC167912600007245F** |
| | | **Test Report No.** | **ECO/LAB/AA/0577/7245/05/2026** |
| | | **Issue Date of Test Report** | **26.05.2026** |
| **Type of Sample** | Ambient Air | | |
| **Sample Registration No.** | 0577 | **Name of Location** | Inside Ware House Area |
| **Sampling Method** | ECO/LAB/SOP/AIR/00 | **Sample Collected By** | EMPL Representative |
| **Date of Sample Collection** | 20.05.2026 to 21.05.2026 | **Time of Sample Collection** | 11:30 AM |
| **Date of Sample Received** | 21.05.2026 | **Time of Sample Received** | 06.30 PM |
| **Start Date of Analysis** | 21.05.2026 | **End Date of Analysis** | 26.05.2026 |
| **Weather Condition** | Sunny | **Sampling Duration** | 24.0 Hrs. |
| **Lab Environmental Condition** | Temperature: 27±2 °C<br>Humidity: 56% | **Sample ID Code** | ECO/LAB/7245/05/2026 |
| **Instrument Details with UID** | RDS (ECO/AR/RDS/02) | FDS (ECO/AR/FD/15) | Benzene Sampler (ECO/LE/89) |
| **Calibration Status** | Cal. Due on 10.05.2027 | Cal. Due on 10.05.2027 | Cal. Due on 10.05.2027 |

| Sl. No. | Test Parameters | Protocol | Results | Limit as per National Ambient Air Quality Standards |
|---|---|---|---|---|
| 1. | Particulate Matter ($PM_{10}$) µg/m$^3$ | IS:5182 (Part-23):2006 RA, 2022 | 72.60 | 100 |
| 2. | Particulate Matter ($PM_{2.5}$) µg/m$^3$ | IS:5182 (Part-24) RA, 2022 | 29.50 | 60 |
| 3. | Sulphur Di-oxide ($SO_2$) µg/m$^3$ | IS:5182 (Part-2):2001 | 17.45 | 80 |
| 4. | Nitrogen Di-oxide ($NO_2$) µg/m$^3$ | IS:5182 (Part 6):2006 RA, 2022 | 29.76 | 80 |
| 5. | Ammonia ($NH_3$)µg/m$^3$ | IS 5182 (Part 25) RA, 2018 | 6.25 | 400 |
| 6. | Ozone ($O_3$) µg/m$^3$ | IS 5182 (Part 9):2019 | 14.80 | 180 |
| 7. | Carbon mono-oxides as CO (mg/m$^3$) | IS:5182 (Part-10):1999 RA, 2019 | 1.38 | 04 |
| 8. | Lead (Pb) µg/m$^3$ | IS 5182 (Part 22):2004. RA, 2022 | BDL (<0.1) | 1.0 |
| 9. | Arsenic (As) ng/m$^3$ | SOP No.26 Issue No. 01 June 2022 | BDL (<1.0) | 06 |
| 10. | Nickel (Ni) ng/m$^3$ | IS 5182 (Part26): 2020 | BDL (<4.0) | 20 |
| 11. | Benzene as $C_6H_6$ (µg/m$^3$) | IS:5182 (Part-11):2006 RA, 2022 | BDL (<1.0) | 05 |
| 12. | Benzo (α) Pyrene as BaP (ng/m$^3$) | IS:5182 (Part-12):2004 RA, 2019 | BDL (<0.5) | 01 |

**Statement of Conformity:** Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

**Note:**

1. Test results relate to the items sampled & tested.
2. Test report shall not be reproduced except in full without approval of the laboratory.
3. The test samples will be disposed of after fifteen days from the date of issue of test report.

**----End of Report----**

**Verified By**
**Technical Manager**
**(Vikas Kumar)**

**Authorized By**
**Quality Manager**
**(Dr. Abhishek Kumar Singh)**

Mirzapur Bakshi Ka Talab Lucknow, U.P. 226021

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CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

TC-16791

## TEST REPORT

FORMAT NO. ECO/QS/FORMAT/09

| | | | |
|---|---|---|---|
| NAME & ADDRESS OF CUSTOMER: | UPAL Warehouse 1251/1252, Opp. Bank of Baroda , Raebareli, Road, Mohanlalganj, Lucknow, UP-226301 | ULR No. | TC167912600007250F |
| | | Test Report No. | ECO/LAB/GW/0577/7250/05/2026 |
| | | Issue Date of Test Report | 26.05.2026 |
| Type of Sample | Ground Water | | |
| Sample Registration No. | 0577 | Name of Location | Borewell Water |
| Sampling Method | APHA | Sample Collected By | EMPL Representative |
| Date of Sample Collection | 21.05.2026 | Time of Sample Collection | - |
| Date of Sample Received | 21.05.2026 | Time of Sample Received | 06.30 PM |
| Start Date of Analysis | 21.05.2026 | End Date of Analysis | 26.05.2026 |
| Laboratory Environmental Condition | Temperature: 27 ± 2 °C | Sample Quantity | As per requirement |
| | Humidity: 50 % | Sample ID Code | ECO/LAB/7250/05/2026 |

| SL. NO. | Tests | Unit | Protocol | Result | Indian Standards As Per Is 10500:2012(Reaff:2018) | |
|---|---|---|---|---|---|---|
| | | | | | Desirable | Permissible |
| 1. | Colour | Hazen | APHA, 24th Ed. 2023, 2120 B | BDL<5.0 | 5.00 | 15.0 |
| 2. | Odour | - | APHA, 24th Ed. 2023, 2150 B | Agreeable | Agreeable | Agreeable |
| 3. | Turbidity | NTU | APHA, 24th Ed. 2023, 2130-A+B | BDL(<1.0) | 1.0 | 5.0 |
| 4. | pH | - | APHA, 24th Ed. 2023, 4500H+A+B | 7.31 | 6.5-8.5 | No Relax. |
| 5. | Total Dissolved Solids as TDS | mg/l | APHA, 24th Ed. 2023, 2540-C | 423.0 | 500 | 2000 |
| 6. | Alkalinity | mg/l | APHA, 24th Ed. 2023, 2320 A+ B | 172.0 | 200 | 600 |
| 7. | Total Hardness as $CaCO_3$ | mg/l | APHA, 24th Ed. 2023, 2340 A+C | 188.0 | 200.0 | 600.0 |
| 8. | Calcium as Ca | mg/l | APHA, 24th Ed. 2023, 3500 Ca A+B | 40.0 | 75.0 | 200.0 |
| 9. | Magnesium as Mg | mg/l | APHA, 24th Ed. 2023, 3500 Mg A+B | 21.38 | 30.0 | 100.0 |
| 10. | Chloride as Cl | mg/l | APHA, 24th Ed. 2023, 4500 Cl A+B | 36.0 | 250.0 | 1000.0 |
| 11. | Sulfate as $SO_4$ | mg/l | APHA, 24th Ed. 2023, 4500-SO42- E | 32.6 | 200.0 | 400.0 |
| 12. | Nitrate Nitrogen as $NO_3$ | mg/l | APHA, 24th Ed. 2023, 4500-NO3- B | 6.20 | 45.0 | No Relax. |
| 13. | Fluorides as F | mg/l | APHA, 24th Ed. 2023, 4500-C | 0.31 | 1.0 | 1.5 |
| 14. | Iron as Fe | mg/l | APHA, 24th Ed. 2023, 3500 Fe B | 0.07 | 0.3 | No Relax. |
| 15. | Copper as Cu | mg/l | APHA, 24th Ed. 2023, 3125 A+B (ICPMS) | BDL(<0.005) | 0.05 | 1.5 |
| 16. | Manganese as Mn | mg/l | APHA, 24th Ed. 2023, 3125 A+B (ICPMS) | BDL(<0.002) | 0.10 | 0.30 |
| 17. | Zinc as Zn | mg/l | APHA, 24th Ed. 2023, 3125 A+B (ICPMS) | 0.13 | 5 | 15 |
| 18. | Mercury as Hg | mg/l | APHA, 24th Ed. 2023, 3125 A+B (ICPMS) | BDL(<0.0008) | 0.001 | No Relax. |
| 19. | Cadmium as Cd | mg/l | APHA, 24th Ed. 2023, 3125 A+B (ICPMS) | BDL(<0.0015) | 0.003 | No Relax. |
| 20. | Lead as Pb | mg/l | APHA, 24th Ed. 2023, 3125 A+B (ICPMS) | BDL(<0.001) | 0.01 | No Relax. |
| 21. | Total Chromium as Cr | mg/l | APHA, 24th Ed. 2023, 3125 A+B (ICPMS) | BDL(<0.002) | 0.05 | No Relax. |
| 22. | Arsenic as As | mg/l | APHA, 24th Ed. 2023, 3125 A+B (ICPMS) | BDL(<0.001) | 0.01 | No Relax. |
| 23. | Chromium as Cr+6 | mg/l | APHA, 24th Ed. 2023, 3111A+B | BDL(<0.05) | - | - |
| 24. | Free Residual Chlorine | mg/l | APHA, 24th Ed. 2023, 4500-Cl B | BDL(<0.2) | 0.20 | 1.0 |
| 25. | Phenolic Compound as $C_6H_5OH$ | mg/l | APHA, 24th Ed. 2023, 5530 A+C | BDL(<0.05) | 0.001 | 0.005 |
| 26. | Anionic Detergents as MBAS | mg/l | APHA, 24th Ed. 2023, 5540 A+C | BDL(<0.08) | 0.2 | 1.0 |
| 27. | Boron as B | mg/l | APHA, 24th Ed. 2023, 4500 B A+C | BDL(<0.5) | 0.5 | 1.0 |
| 28. | *E. coli* | Cfu/100 ml | IS-15185,2016 RA-2021 | Absent(<1.0) | Absent | Absent |
| 29. | Total coliform | Cfu/100 ml | IS-15185,2016 RA-2021 | Absent(<1.0) | Absent | Absent |

**Note:-**

1. Test results relate to the items sampled & tested.
2. Test report shall not be reproduced except in full without approval of the laboratory.
3. The tested samples will be disposed of after 15 days for nonperishable and perishable from the date of issue of test report.

**----End of Report----**

**Verified By**
**Technical Manager**
**(Vikas Kumar)**

**Authorized By**
**Quality Manager**
**(Dr. Abhishek Kumar Singh)**

ECOMEN MINING PRIVATE LIMITED Lucknow, U.P. 226021

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CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

TC-16791

## TEST REPORT

FORMAT NO. ECO/QS/FORMAT/07

| | | | |
|---|---|---|---|
| NAME & ADDRESS OF CUSTOMER: | UPAL Warehouse<br>1251/1252, Opp. Bank of Baroda , Raebareli, Road, Mohanlalganj, Lucknow, UP-226301 | ULR No. | TC167912600007248F |
| | | Test Report No. | ECO/LAB/WW/0577/7248/05/2026 |
| | | Issue Date of Test Report | 26.05.2026 |
| Type of Sample | Waste Water | | |
| Sample Registration No. | 0577 | Name of Location | STP Inlet |
| Sampling Method | APHA | Sample Collected By | EMPL Representative |
| Date of Sample Collection | 21.05.2026 | Time of Sample Collection | - |
| Date of Sample Received | 21.05.2026 | Time of Sample Received | 06.30 PM |
| Start Date of Analysis | 21.05.2026 | End Date of Analysis | 26.05.2026 |
| Laboratory Environmental Condition | Temperature: 27 ± 2 °C | Sample Quantity | As per requirement |
| | Humidity: 50 % | Sample ID Code | ECO/LAB/7248/05/2026 |

| Sl. No. | Tests | Unit | Protocol | Result |
|---|---|---|---|---|
| 1. | pH | - | APHA, 24th Ed. 2023,4500 $H^+$ A+B | 7.69 |
| 2. | Total Suspended Solid as TSS | mg/l | APHA, 24th Ed. 2023,2540D | 135.2 |
| 3. | Biochemical Oxygen Demand as BOD 3 days at 27°C | mg/l | APHA, 24th Ed. 2023, 5210 A+B | 46.0 |
| 4. | Chemical Oxygen Demand as COD | mg/l | APHA, 24th Ed. 2023, 5220 A+C | 428.0 |
| 5. | Oil & Grease as O & G | mg/l | APHA, 24th Ed. 2023, 5520 A+D | 10.2 |

**Note-**

1. Test results relate to the items sampled & tested.
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3. The tested samples will be disposed of after 15 days for nonperishable and perishable from the date of issue of test report.

**----End of Report----**

**Verified By**
**Technical Manager**
**(Vikas Kumar)**

**Authorized By**
**Quality Manager**
**(Dr. Abhishek Kumar Singh)**

Ecomen Mining Private Limited
Mirzapur, Bakshi Ka Talab, Lucknow, U.P. 226021

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CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

TC-16791

## TEST REPORT

FORMAT NO. ECO/QS/FORMAT/07

| | | | |
|---|---|---|---|
| NAME & ADDRESS OF CUSTOMER: | UPAL Warehouse 1251/1252, Opp. Bank of Baroda , Raebareli, Road, Mohanlalganj, Lucknow, UP-226301 | ULR No. | TC167912600007249F |
| | | Test Report No. | ECO/LAB/WW/0577/7249/05/2026 |
| | | Issue Date of Test Report | 26.05.2026 |
| Type of Sample | Waste Water | | |
| Sample Registration No. | 0577 | Name of Location | STP Outlet |
| Sampling Method | APHA | Sample Collected By | EMPL Representative |
| Date of Sample Collection | 21.05.2026 | Time of Sample Collection | - |
| Date of Sample Received | 21.05.2026 | Time of Sample Received | 06.30 PM |
| Start Date of Analysis | 21.05.2026 | End Date of Analysis | 26.05.2026 |
| Laboratory Environmental Condition | Temperature: 27 ± 2 °C | Sample Quantity | As per requirement |
| | Humidity: 50 % | Sample ID Code | ECO/LAB/7249/05/2026 |

| Sl. No. | Tests | Unit | Protocol | Result | Standard G.S.R. 422(E) Desirable Limit |
|---|---|---|---|---|---|
| 1. | pH | - | APHA, 24th Ed. 2023,4500 $H^+$ A+B | 7.32 | 6.5-9.0 |
| 2. | Total Suspended Solid as TSS | mg/l | APHA, 24th Ed. 2023,2540D | 64.20 | 100.0 |
| 3. | Biochemical Oxygen Demand as BOD 3 days at 27°C | mg/l | APHA, 24th Ed. 2023, 5210 A+B | 26.0 | 30.0 |
| 4. | Chemical Oxygen Demand as COD | mg/l | APHA, 24th Ed. 2023, 5220 A+C | 148.0 | 250.0 |
| 5. | Oil & Grease as O & G | mg/l | APHA, 24th Ed. 2023, 5520 A+D | 4.5 | 10.0 |
| 6. | Faecal Coliform | MPN/100ml | IS1622:1981 RA:2019 | 50 | - |

**Statement of Conformity:** The above tested parameters confirm as per **G.S.R. 422(E)** limits.

**Note-**

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**----End of Report----**

**Verified By**
**Technical Manager**
**(Vikas Kumar)**

**Authorized By**
**Quality Manager**
**(Dr. Abhishek Kumar Singh)**

ECOMEN MINING PVT. LTD. Mirzapur Bakshi Ka Talab Lucknow, U.P. 226021