



TEST REPORT

| | | | |
|-------------------------|--|---------------------------|---------------------|
| Test Report No | : NL/WATER/0603 | ULR No. | : TC97822500002082F |
| Customer Name & Address | : Dighori Kyanite Mine (Lease P M Golcha) M L Area – 14.33 ha Khasra No. 155, Village. Dighori, Tal. Lakhandur, Dist. Bhandara | | |
| Sample Collected On | : Date 22/11/2024 | Sample Details | : Water Sample |
| Sample Received On | : Date 22/11/2024 | Sampling Done By | : Customer |
| Sample Condition | : Preserved : NA | Sealed : Yes | : Acceptable : Yes |
| Period of Testing | : 22/11/2024 to 27/11/2024 | Report Issue Date | : 28/11/2024 |
| Sample ID. (By Lab) | : NL-0340/NOV24/WA-01 | Sample ID. (By Customer) | WA-01-Open Dug Well |

1. Chemical Testing
III. Water

TEST RESULTS

| Sr. No. | Test Parameters | Results | Units | Test Method Used | As per IS 10500 | |
|---------|------------------------------|---------|-------|-------------------|-----------------|-------------|
| | | | | | Acceptable | Permissible |
| 1. | Colour | 2.0 | - | IS 3025 (Part 4) | 5 | 15 |
| 2. | Odour | AG | - | IS 3025 (Part 5) | AG | AG |
| 3. | Taste | AG | - | IS 3025 (Part 7) | AG | AG |
| 4. | pH at 25 °C | 7.78 | - | IS 3025 (Part11) | 6.5-8.5 | NR |
| 5. | Electrical Conductivity | 1113 | µs/cm | IS 3025 (Part14) | - | - |
| 6. | Turbidity | 0.5 | NTU | IS 3025 (Part10) | 1 | 5 |
| 7. | Total Dissolved Solids (TDS) | 719 | mg/l | IS 3025 (Part16) | 500 | 2000 |
| 8. | Total Suspended Solids (TSS) | BDL | mg/l | IS 3025 (Part17) | - | - |
| 9. | Total Alkalinity as CaCO3 | 170 | mg/l | IS 3025 (Part 23) | 200 | 600 |
| 10. | Total Hardness as CaCO3 | 192 | mg/l | IS 3025 (Part 21) | 200 | 600 |
| 11. | Calcium as Ca | 49.6 | mg/l | IS 3025 (Part 40) | 75 | 200 |
| 12. | Magnesium as Mg | 6.25 | mg/l | APHA 24th Edition | 30 | 100 |



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| | | | | | | |
|-----|------------------------------|-------|------|-------------------|------|------|
| 13. | Chloride as Cl | 117 | mg/l | IS 3025 (Part32) | 250 | 1000 |
| 14. | Suphate as SO ₄ | 31.4 | mg/l | APHA 24th Edition | 200 | 400 |
| 15. | Nitratre as NO ₃ | 0.165 | mg/l | APHA 24th Edition | 45 | NR |
| 16. | Fluoride as F | 1.05 | mg/l | APHA 24th Edition | 1 | 1.5 |
| 17. | Ammonical Nitrogen | 0.167 | mg/l | IS 3025 (Part 34) | 0.5 | NR |
| 18. | Phosphate as PO ₄ | 2.243 | mg/l | IS 3025 (Part 31) | - | - |
| 19. | Copper as Cu | BDL | mg/l | IS 3025 (Part42) | 0.05 | 1.5 |
| 20. | Iron as Fe | 0.289 | mg/l | IS 3025 (Part53) | 0.3 | NR |
| 21. | Manganese as Mn | BDL | mg/l | APHA 24th Edition | 0.1 | 0.3 |
| 22. | Zinc as Zn | 0.463 | mg/l | IS 3025 (Part49) | 5 | 15 |

NR - no relaxation, AG - agreeable; NA- not applicable; BDL-below detection limit

For M/s Nilawar Laboratories,




Dinesh Bangadkar
(Authorized Signatory)

Note:-

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2. The results listed referred to the tested samples and applicable parameters only. Results represent the sample as received.
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----- End of Report -----



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ISO 45001:2018

CIN No. U74140MH2009PTC196108

TEST REPORT

| | | | |
|-------------------------|--|---------------------------|---------------------|
| Test Report No | : NL/WATER/0605 | Remark | : - |
| Customer Name & Address | : Dighori Kyanite Mine (Lease P M Golcha) M L Area – 14.33 ha Khasra No. 155, Village. Dighori, Tal. Lakhandur, Dist. Bhandara | | |
| Sample Collected On | : Date 22/11/2024 | Sample Details | : Water Sample |
| Sample Received On | : Date 22/11/2024 | Sampling Done By | : Customer |
| Sample Condition | : Preserved : NA | Sealed : Yes | : Acceptable : Yes |
| Period of Testing | : 22/11/2024 to 27/11/2024 | Report Issue Date | : 28/11/2024 |
| Sample ID. (By Lab) | : NL-0340/NOV24/WA-01 | Sample ID. (By Customer) | WA-01-Open Dug Well |

1. Chemical Testing
III. Water

TEST RESULTS

| Sr. No. | Test Parameters | Results | Units | Test Method Used | As per IS 10500 | |
|---------|-----------------|---------|--------------|------------------|--|-------------|
| | | | | | Acceptable | Permissible |
| 1. | T. coliform | Absent | MPN / 100 ml | IS 1622 | Shall not be detectable in any 100 ml sample | |
| 2. | E coli | Absent | MPN / 100 ml | IS 1622 | | |

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- Testing of Construction Material
- Environment Consultants
- Environment Monitoring & Analysis



TEST REPORT

| | | | |
|------------------------------------|--|----------------------------------|--|
| Test Report No | : NL/WATER/0604 | ULR No. | : TC978225000002083F |
| Customer Name & Address | : Dighori Kyanite Mine (Lease P M Golcha) M L Area – 14.33 ha Khasra No. 155, Village. Dighori, Tal. Lakhandur, Dist. Bhandara | | |
| Sample Collected On | : Date 22/11/2024 | Sample Details | : Surface Water Sample |
| Sample Received On | : Date 22/11/2024 | Sampling Done By | : Customer |
| Sample Condition | : Preserved : NA | Sealed : Yes | : Acceptable : Yes |
| Period of Testing | : 22/11/2024 to 27/11/2024 | Report Issue Date | : 28/11/2024 |
| Sample ID. (By Lab) | : NL-0340/NOV24/WA-01 & WA-02 | Sample ID. (By Customer) | WA-01-Mine Pit 1 WA-02 - Mine Pit 2 |

1. Chemical Testing
III. Water

TEST RESULTS

| Sr. No. | Test Parameters | Results | | Units | Test Method Used | Surface Water Quality Standards as Per IS 2296 (Class C) |
|---------|---------------------------------------|---------|-------|-------|-------------------|--|
| | | WA-01 | WA-02 | | | |
| 1. | Colour | 3 | 4 | - | IS 3025 (Part 4) | 300 |
| 2. | Odour | UO | UO | - | IS 3025 (Part 5) | UO |
| 3. | Taste | UO | UO | - | IS 3025 (Part 7) | UO |
| 4. | pH at 25 °C | 7.22 | 7.39 | - | IS 3025 (Part11) | - |
| 5. | Electrical Conductivity | 414 | 512 | µs/cm | IS 3025 (Part14) | - |
| 6. | Turbidity | 4 | 3 | NTU | IS 3025 (Part10) | - |
| 7. | Total Dissolved Solids (TDS) | 288 | 310 | mg/l | IS 3025 (Part16) | 1500 |
| 8. | Total Suspended Solids (TSS) | 12 | 8 | mg/l | IS 3025 (Part17) | - |
| 9. | Total Alkalinity as CaCO ₃ | 164 | 166 | mg/l | IS 3025 (Part 23) | - |
| 10. | Total Hardness as CaCO ₃ | 186 | 198 | mg/l | IS 3025 (Part 21) | - |
| 11. | Calcium as Ca | 56.8 | 52.8 | mg/l | IS 3025 (Part 40) | - |
| 12. | Magnesium as Mg | 10.5 | 15.84 | mg/l | APHA 24th Edition | - |
| 13. | Chloride as Cl | 32.6 | 54.6 | mg/l | IS 3025 (Part32) | 600 |
| 14. | Suphate as SO ₄ | 27.6 | 37.2 | mg/l | APHA 24th Edition | 400 |



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| | | | | | | |
|-----|------------------------------|-------|-------|------|-------------------------------|-----|
| 15. | Nitrate as NO ₃ | 0.142 | 0.37 | mg/l | APHA 24th Edition | 50 |
| 17. | Anionic Detergents (as MBAS) | BDL | BDL | mg/l | APHA 24 th Edition | 1 |
| 18. | Fluoride as F | 0.029 | 0.24 | mg/l | APHA 24th Edition | 1.5 |
| 19. | Ammonical Nitrogen | 0.247 | 0.384 | mg/l | IS 3025 (Part 34) | - |
| 20. | Phosphate as PO ₄ | 1.056 | 1.856 | mg/l | IS 3025 (Part 31) | - |
| 21. | Copper as Cu | 0.085 | 0.091 | mg/l | IS 3025 (Part42) | 1.5 |
| 22. | Iron as Fe | 0.236 | 0.285 | mg/l | IS 3025 (Part53) | 50 |
| 23. | Manganese as Mn | 0.316 | 0.274 | mg/l | APHA 24th Edition | 0.5 |
| 24. | Zinc as Zn | 0.584 | 0.319 | mg/l | IS 3025 (Part49) | 15 |
| 25. | Dissolved Oxygen | 6.2 | 6.0 | mg/l | IS 3025 (Part 38) | 4 |
| 26. | B O D 3 days 27 °C | 2.6 | 2.8 | mg/l | IS 3025 (Part 44) | 3 |
| 27. | C O D | 16.9 | 14.8 | mg/l | IS 3025 (Part 58) | - |

NR - no relaxation, AG - agreeable; NA- not applicable; BDL-below detection limit; UO - Unobjectionable

For M/s Nilawar Laboratories,




Dinesh Bangadkar
(Authorized Signatory)

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CIN No. U74140MH2009PTC196108

TEST REPORT

| | | | |
|-------------------------|--|---------------------------|--|
| Test Report No | : NL/WATER/0606 | Remark | : - |
| Customer Name & Address | : Dighori Kyanite Mine (Lease P M Golcha) M L Area – 14.33 ha Khasra No. 155, Village. Dighori, Tal. Lakhandur, Dist. Bhandara | | |
| Sample Collected On | : Date 22/11/2024 | Sample Details | : Surface Water Sample |
| Sample Received On | : Date 22/11/2024 | Sampling Done By | : Customer |
| Sample Condition | : Preserved : NA | Sealed : Yes | : Acceptable : Yes |
| Period of Testing | : 22/11/2024 to 27/11/2024 | Report Issue Date | : 28/11/2024 |
| Sample ID. (By Lab) | : NL-0340/NOV24/WA-01 & WA-02 | Sample ID. (By Customer) | WA-01-Mine Pit 1 WA-02 - Mine Pit 2 |

1. Chemical Testing
III. Water

TEST RESULTS

| Sr. No. | Test Parameters | Results | | Units | Test Method Used | Surface Water Quality Standards as Per IS 2296 (Class C) |
|---------|-----------------|---------|--------|------------|------------------|--|
| | | WA-01 | WA-02 | | | |
| 1. | T. coliform | Absent | Absent | MPN/100 ml | IS 1622 | 5000 |
| 2. | E coli | Absent | Absent | MPN/100 ml | IS 1622 | - |

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