

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2364/35/L/10 Date: 18th May, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** GUKEM CONSTRUCTION LIMITED.  **E-mail:** Not provided  **Address:** P.O BOX 26346-00504 NRB **Phone:** 0723721952  **2. Customer Contact:**0723721952 6. **Job Card No.** 2501/S/2023  **3. Sample Description:** Wearing Course layer 7. **Date fee paid:** 12/05/2023  **4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4052939  **5. Date Sample received:** 16/05/2023 9. **Date Analysis started**: 16/05/2023  **10. Additional information provided by the customer: Rehabilitation and Performance of Various Tourist Circuits in**  **Nairobi National Park.**   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Sample No.** | **Date tested** | **Chainage**  **(Km)** | **Position** | **Layer Thickness (mm)** | **Field dry density**  **Kg/m3** | **Field moisture content (%)** | **Max. dry density**  **T180**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** | | **KWS ROAD 19-001** | | | | | | | | | | | | 994/S/22 | 16/05/23 | 0+080 | LHS | 150 | 1563 | 13.7 | 1575 | 14.2 | 99 | 96 | | 995/S/22 | 16/05/23 | 0+500 | CL | 150 | 1522 | 13.6 | 1575 | 14.2 | 97 | 96 | | 996/S/22 | 16/05/23 | 0+020 | RHS | 150 | 1559 | 14.5 | 1575 | 14.2 | 96 | 102 | | 997/S/22 | 16/05/23 | 0+040 | LHS | 150 | 1590 | 13.5 | 1575 | 14.2 | 101 | 95 | | 998/S/22 | 16/05/23 | 0+200 | CL | 150 | 1521 | 14.2 | 1575 | 14.2 | 96 | 100 | | 999/S/22 | 16/05/23 | 2+100 | RHS | 150 | 1597 | 13.5 | 1575 | 14.2 | 102 | 95 | | 1000/S/22 | 16/05/23 | 2+800 | LHS | 150 | 1527 | 14.1 | 1575 | 14.2 | 97 | 100 | | 1001/S/22 | 16/05/23 | 3+300 | CL | 150 | 1580 | 13.9 | 1575 | 14.2 | 100 | 98 | | 1002/S/22 | 16/05/23 | 3+800 | LHS | 150 | 1555 | 13.7 | 1575 | 14.2 | 98 | 96 | | 1003/S/22 | 16/05/23 | 3+980 | RHS | 150 | 1561 | 14.4 | 1575 | 14.2 | 99 | 101 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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