

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 0202554950 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: [chiefengineer@mtrd.go.ke](mailto:chiefengineer@mtrd.go.ke) **NAIROBI**

Ref No. M.2193/35/L/10 Date: 20th April, 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.** 2265/S/2023  **3. Sample Description:** Wearing Course layer 7. **Date fee paid:** 17/04/2023  **4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4052751  **5. Date Sample received:** 17/04/2023 9. **Date Analysis started**: 18/04/2023  **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 25A00 to Impala Road** | | | | | | | | | | | | 906/S/22 | 18/04/23 | 0+040 | CL | 150 | 1500 | 14.7 | 1575 | 14.2 | 98 | 104 | | 907/S/22 | 18/04/23 | 0+500 | RHS | 145 | 1581 | 11.2 | 1575 | 14.2 | 100 | 79 | | 908/S/22 | 18/04/23 | 1+300 | LHS | 150 | 1513 | 12.5 | 1575 | 14.2 | 96 | 88 | | 909/S/22 | 18/04/23 | 2+000 | CL | 148 | 1517 | 13.4 | 1575 | 14.2 | 96 | 94 | | 910/S/22 | 18/04/23 | 2+700 | RHS | 150 | 1570 | 12.1 | 1575 | 14.2 | 100 | 85 | | 911/S/22 | 18/04/23 | 3+300 | LHS | 145 | 1525 | 13.3 | 1575 | 14.2 | 97 | 94 | | 912/S/22 | 18/04/23 | 4+350 | CL | 150 | 1556 | 14.3 | 1575 | 14.2 | 99 | 101 | | 913/S/22 | 18/04/23 | 4+800 | RHS | 150 | 1495 | 13.7 | 1575 | 14.2 | 95 | 96 | | 914/S/22 | 18/04/23 | 5+300 | LHS | 150 | 1492 | 13.7 | 1575 | 14.2 | 95 | 96 | | 915/S/22 | 18/04/23 | 5+960 | CL | 152 | 1597 | 13.6 | 1575 | 14.2 | 101 | 96 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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