

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2448/35/L/10 Date: 5th June, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** RESIDENT ENGINEER KURA   **E-mail:** estherwa63@gmail.com  **Address:** P.O Box 17956 00500 NRB Phone: 0721515815  **2. Customer Contact:** 0721515815 6. Job Card No.2604/S/2023  **3. Sample Description:** Subgrade Material 7. Date fee paid: 25/05/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4053535  **5. Date Sample received:** 25/05/2023 9. Date Analysis started: 29/05/2023  **10. Additional information provided by the customer:** Upgrading to Bituminous Standard of Mariguini (Housing project) Roads.  Source: Site.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **TEST RESULTS** | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T99** | | **CBR** | | | **% Passing BS Sieve Size (mm)** | | | | | | **LL** | **PL** | **PI** | **LS** | **PM** | **MDD** | **OMC** | **4days Soak**  **(%)** | **Swell** | | **20** | **10** | **5** | **2** | **0.425** | **0.075** | **%** | **%** | **%** | **%** |  | **Kg/m3** | **( % )** | **(%)** | | 1050/S/22 | S/grade Material | 100 | 92 | 74 | 58 | 41 | 35 | 49 | 31 | 18 | 9 | 738 | 1548 | 22.0 | 14 | 0.35 | | **SOIL COMPOSITION: Gravel =42%, Sand =23%, Silt/clay =35%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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