

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.678/35/L/10 Date: 03rd October, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** RE KURA NAIROBI HQ  **E-mail:** Not provided  **Address:** Not provided Phone: 0729381539  **2. Customer Contact:** 0729381539 6. Job Card No. 825/S/2023  **3. Sample Description:** Gravel for Wearing Course 7. Date fee paid: 29/09/2023  **4. Sampled by:** Client. 8. GOK MR No.4367727  **5. Date Sample received:** 29/09/2023 9. Date Analysis started:29/09/2023  **10. Additional information provided by the customer:**  Improvement of Acacia Road (kitengela)     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T180** | | **CBR** | | | % Passing BS Sieve Size (mm) | | | | | | LL | PL | PI | LS | PM |  | OMC(% ) | 4days Soak  (%) | Swell (%) | | 20 | 10 | 5 | 2 | 0.425 | 0.075 | % | % | % | % |  | MDD Kg/m3 | | 413/S/23 | KM 0+200-0+800 | 100 | 97 | 93 | 87 | 49 | 27 | 42 | 24 | 18 | 9 | 882 | 1750 | 16.0 | 20 | 0.35 | | **SOIL COMPOSITION: Gravel =13%, Sand = 60%, Silt/clay =27%** | | | | | | | | | | | | | | | | 414/S/23 | KM 1+000-1+500 | 100 | 95 | 74 | 64 | 34 | 9 | 40 | 23 | 17 | 9 | 578 | 1810 | 14.5 | 25 | 0.35 | | **SOIL COMPOSITION: Gravel = 36%, Sand = 55%, Silt/clay =9%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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