

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.654/35/L/10 Date: 3rd October, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** RESIDENT ENGINEER, KENHA NAIROBI REGION.  **E-mail:** rd.nairobi@kenha.co.ke  **Address:** P.O BOX 200-00507 NRB **Phone:** 0713141871  **2. Customer Contact:**0713141871 6. **Job Card No.** 777/S/2023  **3. Sample Description:** Gravel 7. **Date fee paid:** 22/09/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4058986  **5. Date Sample received:**22/09/2023 9. **Date Analysis started**: 22/09/2023  **10. Additional information provided by the customer: Routine maintenance and spot improvement of Elangata -Kajiado(B51)**     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage**% | **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 | | 368/S/23 | Km 20+670  A | Neat | 100 | 93 | 83 | 75 | 40 | 9 | NON -PLASTIC | | | | | 1786 | 9.9 | 20 | 0.1 | | **SOIL COMPOSITION: Gravel = 25%, Sand = 66%, Silt/clay =9%** | | | | | | | | | | | | | | | | 369/S/23 | Km 19+508  B | Neat | 100 | 95 | 86 | 70 | 62 | 30 | 41 | 27 | 14 | 7 | 868 | 1845 | 10.2 | 37 | 0.2 | | **SOIL COMPOSITION: Gravel =30 %, Sand = 40%, Silt/clay =30%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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