

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2423/35/L/10 Date:30th May, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** SAJUCY COMPANY LIMITED.  **E-mail:** abdirizacka65@gmail.com  **Address:** Not provided **Phone:** 0703483359  **2. Customer Contact:**0703483359 6. **Job Card No.** 2444/S/2023  **3. Sample Description:** Gravel and Red soil 7. **Date fee paid:** 08/05/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4052892  **5. Date Sample received:** 08/05/2023 9. **Date Analysis started**: 17/05/2023  **10. Additional information provided by the customer: Dualling of UN Avenue**  **Source: Red Soil-Site & Gravel -Kamiti.**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage**% | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T99** | | **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 | | 930/S/22 | Gravel 70% &Red soil 30% | Neat | 100 | 100 | 100 | 99 | 94 | 90 | 58 | 36 | 22 | 11 | 2068 | 1230 | 34.3 | 6 | 0.5 | | **SOIL COMPOSITION: Gravel = 1%, Sand = 8%, Silt/clay =90%** | | | | | | | | | | | | | | | | 931/S/22 | Gravel 60% &Red soil 40% | Neat | 100 | 100 | 100 | 99 | 95 | 92 | 60 | 38 | 22 | 11 | 2090 | 1220 | 33.0 | 6 | 0.53 | | **SOIL COMPOSITION: Gravel = 1%, Sand = 7%, Silt/clay =92%** | | | | | | | | | | | | | | | | 932/S/22 | Gravel 50% &Red soil 50% | Neat | 100 | 100 | 100 | 93 | 92 | 89 | 59 | 36 | 23 | 11 | 2116 | 1207 | 33.9 | 5 | 0.51 | | **SOIL COMPOSITION: Gravel = 7%, Sand = 4%, Silt/clay =89%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**