

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2460/35/L/10 Date:5th June, 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:** 0723852892  **2. Customer Contact:**0723852892 6. **Job Card No.** 2532/S/2023  **3. Sample Description:** Gravel and Red soil 7. **Date fee paid:** 17/05/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4052967  **5. Date Sample received:** 17/05/2023 9. **Date Analysis started**: 24/05/2023  **10. Additional information provided by the customer: Dualling of UN Avenue**  **Source: Red Soil-Site & Gravel -Eastleigh.**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 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 | | 1004/S/22 | Gravel 70% &Red soil 30% | Neat | 100 | 100 | 95 | 88 | 75 | 54 | 40 | 19 | 20 | 10 | 1500 | 1470 | 20.0 | 4 | 1.0 | | **SOIL COMPOSITION: Gravel = 12%, Sand = 34%, Silt/clay =54%** | | | | | | | | | | | | | | | | 1005/S/22 | Gravel 60% &Red soil 40% | Neat | 100 | 100 | 94 | 84 | 78 | 55 | 44 | 23 | 22 | 11 | 1716 | 1440 | 22.3 | 5 | 0.9 | | **SOIL COMPOSITION: Gravel = 16%, Sand = 29%, Silt/clay =55%** | | | | | | | | | | | | | | | | 1006/S/22 | Gravel 50% &Red soil 50% | Neat | 100 | 100 | 95 | 86 | 76 | 65 | 49 | 26 | 23 | 12 | 1748 | 1476 | 26.3 | 6 | 1.1 | | **SOIL COMPOSITION: Gravel = 14%, Sand = 21%, Silt/clay =65%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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