

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1983/35/L/10 Date: 20th March, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** UNITY WEST SEZ LIMITED.  **E-mail:** Not provided  **Address:** Plot 1AB -02, Tatu city Kiambu county, Kenya **Phone:** 0703881492  **2. Customer Contact:** 0703881492 6. **Job Card No.** 1981/S/2023  **3. Sample Description:** LateriticGravel 7. **Date fee paid:** 08/03/2023  **4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127758  **5. Date Sample received:** 07/03/2023 9. **Date Analysis started**: 14/03/2023  **10. Additional information provided by the customer:** Tatu city Kiambu county Kenya   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 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 | | 778/S/22 | Zone 1&4 | Neat | 100 | 91 | 64 | 45 | 27 | 22 | 41 | 23 | 18 | 9 | 486 | 1628 | 16.3 | 35 | 0.1 | | **SOIL COMPOSITION: Gravel = 55%, Sand = 23%, Silt/clay =22%** | | | | | | | | | | | | | | | | 779/S/22 | Zone 2&3 | Neat | 100 | 84 | 59 | 45 | 30 | 25 | 32 | 16 | 16 | 8 | 480 | 1747 | 14.5 | 40 | 0.1 | | **SOIL COMPOSITION: Gravel = 55%, Sand = 20%, Silt/clay =25%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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