

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2157/35/L/10 Date: 17th April, 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.** 2177/S/2023  **3. Sample Description:** Subbase Gravel 7. **Date fee paid:** 03/04/2023  **4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127983  **5. Date Sample received:** 29/03/2023 9. **Date Analysis started**: 6/04/2023  **10. Additional information provided by the customer:** Magumu -Njambini (B110) Road   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 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 | | 847/S/22 | KM 1+100 RHS | Neat | 100 | 98 | 92 | 82 | 63 | 50 | 40 | 34 | 6 | 3 | 378 | 1535 | 20.9 | 24 | 0.4 | | **SOIL COMPOSITION: Gravel = 12%, Sand = 32%, Silt/clay =50%** | | | | | | | | | | | | | | | | 848/S/22 | KM 14+910 LHS | Neat | 100 | 98 | 90 | 78 | 58 | 45 | 42 | 24 | 18 | 9 | 1044 | 1570 | 19.2 | 27 | 0.1 | | **SOIL COMPOSITION: Gravel = 22%, Sand = 33%, Silt/clay =45%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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