

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1852/35/L/10 Date: 6th March, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** GANSU INTERNATIONAL.   **E-mail:** Not provided  **Address:** Not provided Phone: 0703703297  **2. Customer Contact:** 0703703297 6. Job Card No.1829/S/2023  **3. Sample Description:** Subgrade Material 7. Date fee paid: 23/02/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4127630  **5. Date Sample received:** 23/02/2023 9. Date Analysis started: 24/02/2023  **10. Additional information provided by the customer:** Rehabilitation and Improvement of Uplands-Ruiru (C560) Road.  **Source:** Kayole Borrow pit.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **TEST RESULTS** | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T99** | | **CBR** | | | **% Passing BS Sieve Size (mm)** | | | | | | **LL** | **PL** | **PI** | **LS** | **PM** | **MDD** | **OMC** | **4days Soak**  **(%)** | **Swell** | | **20** | **10** | **5** | **2** | **0.425** | **0.075** | **%** | **%** | **%** | **%** |  | **Kg/m3** | **( % )** | **(%)** | | 730/S/22 | S/grade material | 100 | 95 | 88 | 80 | 55 | 50 | 61 | 36 | 24 | 12 | 1320 | 1224 | 25.5 | 13 | 1.3 | | **SOIL COMPOSITION: Gravel =20%, Sand =30%, Silt/clay =50%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC** **Soils Laboratory CSE Soils Laboratory**

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