

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. Date: 7thMarch, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:**   **E-mail:**  **Address:** Phone:  **2. Customer Contact:** 6. Job Card No.  **3. Sample Description:** Brownish Material 7. Date fee paid:  **4. Sampled by:** CLIENT. 8. GOK MR No.  **5. Date Sample received:** 6/03/2023 9. Date Analysis started: 6/03/2023  **10. Additional information provided by the customer:**  **Source** 4+680-5+180   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **TEST RESULTS** | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T180** | | **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** | **( % )** | **(%)** | |  | Brownish Material | 100 | 99 | 94 | 82 | 62 | 54 | 49 | 30 | 18 | 9 | 1116 |  |  |  |  | | **SOIL COMPOSITION: Gravel =18%, Sand =28%, Silt/clay =54%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC** **Soils Laboratory**