

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1692/35/L/10 Date:14th February, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** RESIDENT ENGINEER KeNHA   **E-mail:** rd.nairobi@kenha.co.ke  **Address:** P.O. Box 200-00507 NRB Phone: 0724967038  **2. Customer Contact:** 0724967038 6. Job Card No.1539/S/2023  **3. Sample Description:** Gravel for Wearing course 7. Date fee paid: 20/01/2023  **4. Sampled by:** CLIENT. 8. GOK MR No.4115876  **5. Date Sample received:** 19/01/2023 9. Date Analysis started: 23/01/2023  **10. Additional information provided by the customer:** Routine maintenance and spot improvement of Kamukuru Elangata (B51) Road.  **Source:** Site at Km 12+580-16+720   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **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** | **( % )** | **(%)** | | 647/S/22 | Gravel | 100 | 85 | 74 | 66 | 51 | 44 | 57 | 32 | 25 | 13 | 1275 | 1669 | 15.3 | 25 | 1.4 | | **SOIL COMPOSITION: Gravel =34%, Sand =22%, Silt/clay =44%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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