

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1503/35/L/10 Date: 20th January, 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: 0725420651  **2. Customer Contact:** 0725420651 6. Job Card No.1417/S/2023  **3. Sample Description:** Base Material 7. Date fee paid: 09/01/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4115764  **5. Date Sample received:** 09/01/2023 9. Date Analysis started: 11/01/2023  **10. Additional information provided by the customer:** Performance Based Maintenance of Outering /Kangundo Road-kamulu B63 Road.  **Source:** Nguluni Borrow pit   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **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** | | **Dosage** | **20** | **10** | **5** | **2** | **0.425** | **0.075** | **%** | **%** | **%** | **%** |  | **Kg/m3** | **( % )** | **(%)** | | 574/S/22 | Gravel for Shoulder | Neat | 100 | 87 | 76 | 70 | 62 | 54 | 22 | 13 | 8 | 4 | 496 | 1998 | 8.4 | 30 | 0.2 | | **SOIL COMPOSITION: Gravel =30%, Sand =16%, Silt/clay =54%** | | | | | | | | | | | | | | | |  | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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