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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1478/35/L/10 Date: 16th 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.** 1456/S/2023  **3. Sample Description:** Base Layer 7. **Date fee paid:** 12/01/2023  **4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4115798  **5. Date Sample received:** 11/01/2023 9. **Date Analysis started**:11/01/2023  **10. Additional information provided by the customer:** Performance based Maintenance of Muthaiga-Kiambu (B32) road.   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Sample No.** | **Date tested** | **Chainage**  **(Km)** | **Position** | **Layer Thickness**  (mm) | **Field dry density**  Kg/m3 | **Field moisture content** (%) | **Max. dry density**  **T180**  Kg/m3 | **Optimum moisture content**  (%) | **Relative Compaction** (%) | **Relative moisture content**  (%) | | **KM 0+350-0+556 Base Layer RHS Shoulder** | | | | | | | | | | | | 595/S/22 | 09/01/23 | 22+350 | LHS | 150 | 1733 | 16.7 | 1750 | 18.4 | 99 | 91 | | 596/S/22 | 09/01/23 | 22+580 | LHS | 150 | 1766 | 17.5 | 1750 | 18.4 | 101 | 95 | | 597/S/22 | 09/01/23 | 22+680 | LHS | 150 | 1715 | 15.6 | 1750 | 18.4 | 98 | 85 | | 598/S/22 | 09/01/23 | 22+770 | LHS | 150 | 1678 | 17.7 | 1750 | 18.4 | 96 | 96 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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