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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 554950/3/4 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: chiefengineer@mtrd.go.ke NAIROBI

Ref No. M.523/35/L/10 Date: 8th September, 2023

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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:** 0713141871

**2. Customer Contact:** 0713141871 6. **Job Card No.** 509/S/2023

**3. Sample Description:** Wearing Course Layer 7. **Date fee paid:** 28/08/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058751

**5. Date Sample received:** 30/08/2023 9. **Date Analysis started**:30/08/2023

**10. Additional information provided by the customer: Routine Maintenance and spot Improvement of Magadi gate -Oloirboto (B19)**

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| **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 (%)** |
| **Wearing Course Layer** | | | | | | | | | | |
| 247/S/23 | 30/08/23 | 20+000 | CL | 110 | 1408 | 9.0 | 1600 | 13.8 | 88 | 65 |
| 248/S/23 | 30/08/23 | 21+100 | LHS | 140 | 1440 | 8.6 | 1600 | 13.8 | 90 | 62 |
| 249/S/23 | 30/08/23 | 22+350 | CL | 100 | 1424 | 8.7 | 1600 | 13.8 | 89 | 63 |
| 250/S/23 | 30/08/23 | 23+800 | RHS | 120 | 1376 | 8.1 | 1600 | 13.8 | 86 | 59 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS OiC Soils Laboratory. CSE Soils Laboratory.**

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