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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.343/35/L/10 Date: 17th August, 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.** 337/S/2023

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

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 40585797

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

**10. Additional information provided by the customer: Routine Maintenance and spot Improvement of Isinya-Konza (JNA8) (B50) Road.**

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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 (%)** |
| **Base layer Km 0+670-2+100 Wearing Course Layer** | | | | | | | | | | |
| 179/S/23 | 08/08/23 | 1+450 | CL | 150 | 1626 | 10.5 | 1844 | 12.4 | 88 | 85 |
| 180/S/23 | 08/08/23 | 1+600 | RHS | 150 | 1476 | 9.5 | 1844 | 12.4 | 80 | 77 |
| 181/S/23 | 08/08/23 | 1+750 | LHS | 145 | 1505 | 10.0 | 1844 | 12.4 | 82 | 81 |
| 182/S/23 | 08/08/23 | 1+900 | RHS | 150 | 1518 | 8.1 | 1844 | 12.4 | 82 | 65 |
| 183/S/23 | 08/08/23 | 2+050 | RHS | 145 | 1528 | 9.2 | 1844 | 12.4 | 83 | 74 |

**Eng. J. M. Mbarua**

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

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