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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.2053/35/L/10 Date: 27th March, 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:** 0724967038

**2. Customer Contact:** 0724967038 6. **Job Card No.** 2097/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 22/03/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127908

**5. Date Sample received:** 20/03/2023 9. **Date Analysis started**:20/03/2023

**10. Additional information provided by the customer:** Routine Maintenance and Spot Improvement of Oletepesi-Magadi road (B19) Road.

**Source:**13+370-13+770 RHS

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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 13+370-13+770 RHS SHOULDER** | | | | | | | | | | |
| 808/S/22 | 20/3/2023 | 13+375 | RHS | 100 | 1722 | 8.3 | 1917 | 11.0 | 95 | 76 |
| 809/S/22 | 20/3/2023 | 13+440 | RHS | 75 | 1682 | 11.0 | 1917 | 11.0 | 88 | 100 |
| 810/S/22 | 20/3/2023 | 13+505 | RHS | 80 | 1693 | 10.9 | 1917 | 11.0 | 88 | 99 |
| 811/S/22 | 20/3/2023 | 13+570 | RHS | 100 | 1833 | 8.6 | 1917 | 11.0 | 96 | 78 |
| 812/S/22 | 20/3/2023 | 13+635 | RHS | 90 | 1721 | 8.0 | 1917 | 11.0 | 90 | 73 |
| 813/S/22 | 20/3/2023 | 13+730 | RHS | 110 | 1638 | 11.4 | 1917 | 11.0 | 85 | 104 |

**Eng. J. M. Mbarua**

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

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