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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1502/35/L/10 Date: 19th 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.** 1458/S/2023  **3. Sample Description:** Base Layer 7. **Date fee paid:** 12/01/2023  **4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4115800  **5. Date Sample received:** 13/01/2023 9. **Date Analysis started**:13/01/2023  **10. Additional information provided by the customer:** Performance Based contract for Maintenance of outering/Kangundo-kamulu B63 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 20+400-21+500 Base Layer RHS Shoulder** | | | | | | | | | | | | 598/S/22 | 13/01/23 | 20+430 | RHS | 150 | 1963 | 9.2 | 1923 | 9.5 | 102 | 97 | | 599/S/22 | 13/01/23 | 20+530 | RHS | 150 | 1899 | 8.3 | 1923 | 9.5 | 99 | 87 | | 600/S/22 | 13/01/23 | 20+620 | RHS | 150 | 1607 | 8.7 | 1923 | 9.5 | 84 | 92 | | 601/S/22 | 13/01/23 | 20+750 | RHS | 150 | 1970 | 8.5 | 1923 | 9.5 | 102 | 89 | | 602/S/22 | 13/01/23 | 20+850 | RHS | 150 | 1430 | 8.1 | 1923 | 9.5 | 74 | 85 | | 603/S/22 | 13/01/23 | 21+000 | RHS | 150 | 1954 | 7.6 | 1923 | 9.5 | 102 | 80 | | 604/S/22 | 13/01/23 | 21+250 | RHS | 150 | 1941 | 9.0 | 1923 | 9.5 | 101 | 95 | | 605/S/22 | 13/01/23 | 21+400 | RHS | 150 | 1984 | 9.2 | 1923 | 9.5 | 103 | 97 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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