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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1562/35/L/10 Date: 1st February, 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 NAIROBI Phone: 0725420651  **2. Customer Contact:** 0725420651 6. Job Card No. 1433/S/2023  **3. Sample Description:** Insitu Base Material 7. Date fee paid: 10/01/2023  **4. Sampled by:** Client. 8. GOK MR No.4115778  **5. Date Sample received:** 10/01/2023 9. Date Analysis started:10/01/2023  **10. Additional information provided by the customer:** Performance Based contract for Maintenance of Outering JNC/Kangundo Road-Kamulu (B63) Road.  **SOURCE:** KM 21+050-24+500 RHS.     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage**% | **Grading** | | | | | | **Atterberg Limits** | | | | | | | | | **Compaction T180** | | **CBR** | | | % Passing BS Sieve Size (mm) | | | | | | LL | | PL | | PI | | LS | | PM | MDD Kg/m3 | OMC( % ) | 4days Soak  (%) | Swell(%) | | 20 | 10 | 5 | 2 | 0.425 | 0.075 | % | | % | | % | | % | |  |  |  | | 587/S/22 | **Insitu** | 3.0 | **Improved with Mombasa 42.5N ,7 Days Cure and 7 Days Soak** | | | | | | | | | | | | | | | | | | | | 100 | 87 | 76 | 70 | 62 | 54 | 26 | 22 | | 4 | | 2 | | 248 | |  |  | 180 | <0.1 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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