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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2158/35/L/10 Date: 14th April, 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: 0724967038  **2. Customer Contact:** 0724967038 6. Job Card No. 1909/S/2023  **3. Sample Description:** Insitu Base Material 7. Date fee paid: 02/03/2023  **4. Sampled by:** Client. 8. GOK MR No.4127699  **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 (B19) Road.  **SOURCE:** **13+370-13+770 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 | % | | % | | % | | % | |  |  |  | | 766/S/22 | **Insitu** | 2.5 | **Improved with Simba Cem 1, 42.5N,7 Days Cure and 7 Days Soak** | | | | | | | | | | | | | | | | | | |  | | 100 | 86 | 68 | 53 | 28 | 17 | 49 | 42 | | 7 | | 4 | | 196 | |  |  | 160 | <0.1 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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