

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.024/35/L/10 Date: 5th July, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** PATRICK MBURU.  **E-mail: rd.patmbukia@gmail.com**  **Address:** Not provided **Phone:** 070712780510  **2. Customer Contact:**0724967038 6. **Job Card No.** 2849/S/2023  **3. Sample Description:** Alignment soil 7. **Date fee paid:** 27/06/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4053756  **5. Date Sample received:** 26/06/2023 9. **Date Analysis started**: 27/06/2023  **10. Additional information provided by the customer: Construction & ugrading of Makongeni Bidco-Mjengo-Dion Road**  **Source: Nairobi school Gate Site.**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage**% | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T180** | | **CBR** | | | % Passing BS Sieve Size (mm) | | | | | | LL | PL | PI | LS | PM |  | OMC (%) | 4days Soak  (%) | Swell (%) | | 20 | 10 | 5 | 2 | 0.425 | 0.075 | % | % | % | % |  | MDD  Kg/m3 | | 1062/S/22 | Gravel | Neat | 100 | 76 | 68 | 75 | 49 | 39 | 46 | 31 | 15 | 8 | 735 | 1641 | 14.4 | 12 | 0.3 | | **SOIL COMPOSITION: Gravel = 25%, Sand = 36%, Silt/clay =39%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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