

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 0202554950 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: [chiefengineer@mtrd.go.ke](mailto:chiefengineer@mtrd.go.ke) **NAIROBI**

Ref No. M.132/35/L/10 Date: 25th July, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** REGIONAL DIRECTOR keRRA KAJIADO REGION.  **E-mail:** kajiado@kerra.go.ke  **Address:**  Not provided **Phone:** 0722730803  **2. Customer Contact:**0722730803 6. **Job Card No.** 120/S/2023  **3. Sample Description:** Blackish brownGravel 7. **Date fee paid:** 14/07/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4053898  **5. Date Sample received:** 14/07/2023 9. **Date Analysis started**: 17/07/2023  **10. Additional information provided by the customer: Sigma farm Borrow pit test for suitability in Rongai.**  **Source: Sigma Farm Borrowpit Rongai.**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 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 | | 070/S/23 | Gravel | Neat | 100 | 82 | 62 | 49 | 35 | 26 | 32 | 18 | 14 | 7 | 490 | 1754 | 15.0 | 20 | 0.35 | | **SOIL COMPOSITION: Gravel = 51%, Sand =23 %, Silt/clay =26%** | | | | | | | | | | | | | | | |  |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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