

**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.1374/35/L/10 Date: 5th 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: 0724967038  **2. Customer Contact:** 0724967038 6. Job Card No.1229/S/2022  **3. Sample Description:** Gravel 7. Date fee paid: 05/12/2022  **4. Sampled by:** CLIENT. 8. GOK MR No. 4115592  **5. Date Sample received:** 05/12/2022 9. Date Analysis started: 12/12/2022  **10. Additional information provided by the customer:** Perfomance Based Maintenance and Spot Improvement of Oletepesi-Magadi.  **Source:** Site At Km 14+250   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **TEST RESULTS** | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T180** | | **CBR** | | | **% Passing BS Sieve Size (mm)** | | | | | | **LL** | **PL** | **PI** | **LS** | **PM** | **MDD** | **OMC** | **4days Soak**  **(%)** | **Swell** | | **20** | **10** | **5** | **2** | **0.425** | **0.075** | **%** | **%** | **%** | **%** |  | **Kg/m3** | **( % )** | **(%)** | | 482/S/22 | Gravel For Subbase | 100 | 91 | 75 | 60 | 39 | 30 | 42 | 32 | 10 | 5 | 390 | 1832 | 12.2 | 27 | 0.35 | | **SOIL COMPOSITION: Gravel =40%, Sand =30%, Silt/clay =30%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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