

**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.2446/35/L/10 Date: 30th May, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** STRACCON ENGINEERING LIMITED.  **E-mail:** ukamwaro@gmail.com  **Address:** P.O BOX 133-00600 NRB **Phone:** 0722786061  **2. Customer Contact:**0722786061 6. **Job Card No.**2597/S/2023  **3. Sample Description:** Gravel for Subbase 7. **Date fee paid:** 24/05/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4053527  **5. Date Sample received:** 24/05/2023 9. **Date Analysis started**: 25/05/2023  **10. Additional information provided by the customer: PS 22-Ngema Pump Station Road-Maimahiu.**  **Source: 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 | | | 1049/S/22 | Gravel | Neat | 100 | 92 | 82 | 61 | 36 | 30 | 53 | 39 | 14 | 7 | 504 | 1500 | 24.5 | | 25 | 0.3 | | **SOIL COMPOSITION: Gravel =39%, Sand =31 %, Silt/clay =30%** | | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**