

**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.2447/35/L/10 Date: 30th May, 2023

|  |
| --- |
| **Laboratory Test Report** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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:** Mtrd Staff. 8. **GOK MR No**. 4053527  **5. Date Sample received:** 24/05/2023 9. **Date Analysis started**: 24/05/2023  **10. Additional information provided by the customer: PS 22-Ngema Pump Station Road-Maimahiu.**     |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Sample No.** | **Date tested** | **Chainage**  **(Km)** | **Position** | **Layer Thickness (mm)** | **Field dry density**  **Kg/m3** | **Field moisture content (%)** | **Max. dry density**  **T180**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** | | **PS-22 Ngema Maimahiu** | | | | | | | | | | | | 1046/S/22 | 24/05/23 | 0+020 | RHS | 150 | 1453 | 20.3 | 1500 | 24.5 | 97 | 82 | | 1047/S/22 | 24/05/23 | 0+120 | LHS | 150 | 1435 | 21.4 | 1500 | 24.5 | 96 | 87 | | 1048/S/22 | 24/05/23 | 0+220 | CL | 150 | 1463 | 20.9 | 1500 | 24.5 | 98 | 85 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

**………………. …………………….**