

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.466/35/L/10 Date: 1st September, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** SAMA HOLDINGS LIMITED  **E-mail:** samaholdings@gmail.com  **Address:** P.O BOX 44799-00100 NRB Phone: 0714768578  **2. Customer Contact:** 0714768578 6. Job Card No. 188/S/2023  **3. Sample Description:** Gravel 7. Date fee paid: 24/07/2023  **4. Sampled by:** Client. 8. GOK MR No.4053956  **5. Date Sample received:** 24/07/2023 9. Date Analysis started:16/08/2023  **10. Additional information provided by the customer:** Access of Kibera housing of Undugu-Andolo Road.  **Source:** Golf Club Ngong Road.     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage**% | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T99** | | **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 | | 269/S/23 | Gravel | Neat | 100 | 81 | 63 | 52 | 36 | 29 | 38 | 20 | 18 | 9 | 648 | 1723 | 13.1 | 30 | 0.3 | | **SOIL COMPOSITION: Gravel = 48%, Sand = 23%, Silt/clay =29%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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