

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1817/35/L/10 Date: 1st March, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** PETWA CONSTRUCTION COMPANY LIMITED  **E-mail:** Not provided  **Address:** P.O.Box 46105-00105 NRB Phone: 0723443302  **2. Customer Contact:** 0723443302 6. Job Card No. 1812/S/2023  **3. Sample Description:** Softrock 7. Date fee paid: 21/02/2023  **4. Sampled by:** Client. 8. GOK MR No.4127612  **5. Date Sample received:** 21/02/2023 9. Date Analysis started:23/02/2023  **10. Additional information provided by the customer:** Construction of Magumu-Njambini Road.     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 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 | | 713/S/22 | B.pit A | Neat | 100 | 95 | 86 | 77 | 48 | 30 | 22 | 18 | 4 | 2 | 192 | 1310 | 24.0 | 30 | 0.7 | | **SOIL COMPOSITION: Gravel = 23%, Sand = 47%, Silt/clay =30%** | | | | | | | | | | | | | | | | 714/S/22 | B.pit A | Neat | 100 | 92 | 81 | 72 | 50 | 31 | 21 | 19 | 2 | 1 | 100 | 1316 | 24.3 | 35 | 0.8 | | **SOIL COMPOSITION: Gravel = 28%, Sand = 41%, Silt/clay =31%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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