

SOIL COMPACTION TEST (STANDARD PROCTOR TEST - 2.5kg RAMMER)

(BS 1377: Part 4: 1990)

CLIENT :

TESTING DATE:

PROJECT :

SAMPLING DATE:

SAMPLE DESCRIPTION:

SAMPLE TYPE:

Volume of Mould, $V =$ cm^3

SAMPLE REF.:									
WATER CONTENT									
Mass of Mould + Base (m_1)	g								
Mass of Mould + Base + Compacted Specimen (m_2)	g								
Mass of Compacted Specimen ($m_2 - m_1$)	g								
Bulk Density, $\rho = \frac{m_2 - m_1}{V}$	g/cm^3								
Moisture Content Container No.									
Container weight (gm)									
Wet soil + container (gm)									
Wet soil (gm), W_w									
Dry soil + container (gm)									
Dry soil (gm), W_d									
Moisture loss (gm), $W_w - W_d$									
Moisture content (%), $((W_w - W_d)/W_d) \times 100$									
Average moisture content (%)									
Dry Density, $\rho_d = \frac{\rho}{1 + \frac{w(\%)}{100}}$	g/cm^3								
Dry Unit Weight, γ_d	kN/m^3								
Maximum Dry Density (refer to graph), ρ_d	g/cm^3								
Optimum Moisture Content (refer to graph), $w_{opt.}$	%								

Tested by:

Checked by:

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Date:

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Date: