PERMEABILITY OF GRANULAR SOILS LS-709-R18 ____
D2434-68 (2000) _____

APPARATUS

1. Constant Head Permeameter, modified CBR mold with specially adapted top and bottom plates and rubber sealing rings to prevent leakage? ..... ____
2. Constant Head Tank ..... ____
3. Specimen Compaction Equipment, meets requirements of Test Method LS-706? ..... ____
4. Vacuum Pump (or water faucet aspirator) ..... ____

PREPARATION OF TEST SPECIMENS

1. Sample prepared to optimum moisture and compacted in permeameter? ..... ____
2. Initial measurements (D-diameter, L-distance between outlets, H-height) taken? ..... ____
3. Permeameter and sample correctly assembled (including filter papers)? ..... ____
4. Specimen properly irrigated? ..... ____
5. Specimen properly de-aired using vacuum if necessary? ..... ____

PROCEDURE

1. Water flow established to constant head cylinder and then permeameter? ..... ____
2. Stable head condition established? ..... ____
3. Quantity of water measured for required time? ..... ____
4. Head modified to establish required hydraulic gradient? ..... ____
5. Tests run at different hydraulic gradients to ensure testing at laminar flow? ..... ____
6. After test, water is drained, mold and sample removed and CBR testing done, if required? .. ____
7. Sample inspected for streaks, layers or evidence of segregation of fines? ..... ____
8. Calculations performed per section 8? ..... ____
9. Results reported per section 9? ..... ____

COMMENTS: