



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

TOLUNAY-WONG ENGINEERS, INC.

Houston, TX

for technical competence in the field of

Geotechnical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).



Presented this 20th day of April 2010.

A handwritten signature in black ink, appearing to read "Peter M. Meyer", written over a horizontal line.

President & CEO
For the Accreditation Council
Certificate Number 0698.03
Valid to February 29, 2012

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Geotechnical Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TOLUNAY-WONG ENGINEERS, INC.
10710 Sam Houston Parkway West, Suite 100
Houston, TX 77031
Floyd Fuqua Phone: 713 722 7064

GEOTECHNICAL

Valid To: February 29, 2012

Certificate Number: 0698.03

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA R209 – Specific Requirements for Harris County/Houston, TX: Geotechnical Engineering Testing Laboratory Accreditation Program), accreditation is granted to this laboratory to perform the following tests under the ASTM recommended practice D3740:

Test Method:

ASTM C977 (App. X1)
ASTM D421

ASTM D422
ASTM D558
ASTM D559
ASTM D698
ASTM D854
ASTM D1140
ASTM D1557
ASTM D1632
ASTM D1633
ASTM D1883
ASTM D2166
ASTM D2168 (Method A)
ASTM D2216
ASTM D2217-98

ASTM D2434
ASTM D2435
ASTM D2487
ASTM D2488
ASTM D2850
ASTM D2974 (Method B)
ASTM D3080
ASTM D4186

ASTM D4221
ASTM D4318
ASTM D4373

Test Description:

Specification for Quicklime and Hydrated Lime for Soil Stabilization
Dry Preparation of Soil Samples for Particle Size Analysis and Determination of Soil Constants
Particle Size Analysis of Soils
Moisture-Density Relations of Soil-Cement Mixtures
Wetting and Drying Compacted Soil-Cement Mixtures
Moisture-Density Relations (Standard Proctor)
Specific Gravity of Soils
Amount of Material in Soils Finer than No. 200 Sieve
Laboratory Compaction Characteristics of Soil Using Modified Effort
Making and Curing Soil-Cement Compression Test Specimens
Compressive Strength of Molded Soil-Cement Cylinder
CBR (California Bearing Ratio) of Laboratory-Compacted Soils
Unconfined Compressive Strength of Cohesive Soil
Calibration of Laboratory Mechanical Rammer Soil Compactors
Water Content of Soil, Rock & Soil-Aggregate Mixtures
Wet Preparation of Soil Samples for Particle Analysis and Determination of Soil Contacts
Permeability of Granular Soils (Constant Head)
One-dimensional Consolidation Properties of Soils
Classification of Soils for Engineering Purposes
Manual-Visual Soil Classification
Unconsolidated, Undrained, Strength in Triaxial Compression
Organic Content of Soil and Peat
Direct Shear of Soils under Consolidated Drained Conditions
One-Dimensional Consolidation Properties of Saturated Cohesive Soils Using Controlled-Strain Loading
Dispersive Properties of Soil by Double Hydrometer
Liquid Limit, Plastic Limits & Plasticity Index of Soils
Rapid Determination of Carbonate Content of Soils

Test Method:

ASTM D4546
ASTM D4647
ASTM D4648
ASTM D4718
ASTM D4767
ASTM D4959
ASTM D4972
ASTM D5084
ASTM D5102
ASTM D6276
ASTM D5334
ASTM D6572
ASTM D7263 (Method B)
ASTM G57
ASTM G187
EPA SW 846-9045

Test Description:

One-Dimensional Swell or Settlement of Cohesive Soils
Pinhole Dispersion
Laboratory Miniature Vane Shear Test for Saturated Fine-Grained Clayey Soil
Unit Weight and Water Content for Soils with Oversize Particles
Consolidated Undrained with Pore Pressure Measurement
Water (Moisture) Content of Soil by the Direct Heating Method
pH of Soil
Hydraulic Conductivity Using a Flexible Wall Permeameter
Unconfined Compression Strength of Compacted Soil-Lime Mixtures
pH of Soil-Lime Proportion for Soil Stabilization
Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe
Dispersive Characteristics of Clay Soils by the Crumb Test
Unit Weight of Soil
Soil Resistivity Using the Wenner Four-Electrode Method
Resistivity of Soil
pH of Soil Soils-Cement

