



One Million Pound Compression Machine



ASTM C 1202 Chloride Permeability Testing (Coulomb Testing)

Firm Background

Established in San Diego in 1986, Ninyo & Moore is one of the largest engineering firms specializing in Geotechnical Engineering, Environmental Engineering and Materials Testing and Inspection Services. Engineering News Record (ENR) recognizes the firm as one of the Top 500 Design Firms in the United States.

Ninyo & Moore has fully equipped and certified in-house testing laboratories that offer full-service field and laboratory services for geotechnical design, and soil and materials testing projects.

Professional Staff

Ninyo & Moore's staff of 500 certified and registered professionals includes:

- Geotechnical engineers
- Civil engineers
- Engineering geologists
- Hydrogeologists
- Geophysicists
- Field technicians
- Special inspectors
- Environmental engineers
- Environmental scientists
- Industrial hygienists
- Asbestos consultants
- Safety professionals
- Indoor environmental consultants
- Microbial consultants
- Lead consultants
- Qualified SWPPP developers/practitioners
- Hazardous waste and regulatory compliance specialists

Locations

Ninyo & Moore has offices located in the western United States, including California, Arizona, Nevada, Colorado, Utah, and Texas.

Contact Us

800.427.0401 or
nminquiries@ninyoandmoore.com

Ninyo & Moore performs ASTM C 33 conformance testing for suppliers on Concrete, Asphalt and Aggregate Base materials. Additional tests include ASTM C 1202 Rapid Chloride Permeability testing for concrete mix design permeability, ASTM C 1260 Alkali Reactivity, and ASTM C 1567 Alkali-Silica Reactivity. Ninyo & Moore has the capability of testing these materials for conformance with federal, state and local jurisdiction requirements. Ninyo & Moore's testing laboratories are AASHTO, IAS and USACE accredited and certified.

Ninyo & Moore's laboratories provide full-service soils and construction materials testing services. Our accredited laboratories are under the supervision of licensed professional engineers. Ninyo & Moore's internal Quality Assurance Program is designed to provide confidence that laboratory testing is being performed in accordance with established procedures and standards.

Laboratory Testing Services

Ninyo & Moore's testing facilities are fully equipped with an array of testing apparatus. Some of these tests include:

Aggregates

- Absorption, Coarse, C127
- Absorption, Fine, C128
- Clay Lumps and Friable Particles, C142, T112-91
- Cleanness Value, CT227
- Crushed Particles, CT205
- Durability, Coarse, CT229
- Durability, Fine, CT229
- Fractured Faces, NDOT, T2303
- Lightweight Pieces, C123, T113-94
- Los Angeles Abrasion, C131 or C535, T96-94
- Moisture, C566, T255-92
- Mortar Making Properties of Fine Aggregate, C87
- Organic Impurities, C40, T21-94
- Potential Reactivity of Aggregate, T303 ASTM C 1260, ASTM C 1557
- Sand Equivalent, D2419
- Sieve Analysis, Coarse Aggregate, C136
- Sieve Analysis, Fine Aggregate, C136
- Sodium/Magnesium Sulfate Soundness C88, T104-94
- Specific Gravity, Coarse, C127, T85-94
- Specific Gravity, Fine, C128, T84-94
- Time of Setting of Cement by Vicat Needle, C191
- Unit Weight, C29, T19

Concrete

- 2x2x2 Non-Shrink Grout, C109
- 3x6 Grout, (CLSM), C39
- Compression Test, C39, T22-92
- Concrete Core Absorption, ASTM C497 Method A
- Concrete Core Compression, C42, T24-93
- Concrete Mix Design Review
- Concrete Mix Design, per Trial Batch, ACI
- Drying Shrinkage, C157
- Flexural Test, C78
- Gunite/Shotcrete, panels, ACI
- Lightweight Concrete Fill Compression, C495
- Rapid Chloride Permeability, C1202
- Restrained Expansion of Shrinkage Compensation
- Splitting Tensile Strength, C496

Composite Sample Testing

- C33 Concrete Aggregate Testing
- IQAC Type II Testing



ASTM C 1202 Rapid Chloride Permeability



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Aggregate Crusher



Aggregate Crusher



ASTM C 1260, ASTM C 1557, AASHTO T-303 Potential Reactivity of Aggregates

Laboratory Testing Services (cont.)

- ✓ Our laboratories participate in soil, asphalt, and concrete proficiency sampling programs with CCRL, AMRL, Caltrans, and CDOT.
- ✓ Testing equipment is calibrated annually by representatives utilizing equipment traceable to the National Institute of Standards and Technology.
- ✓ Testing Equipment is regularly inspected by the Cement and Concrete Reference Laboratory (CCRL).
- ✓ Ninyo & Moore has the resources to establish an on-site mobile laboratory as may be required by the project specifications and/or in order to reduce sample transportation time.
- ✓ Ninyo & Moore can perform concrete strength testing up to 1 million pounds.
- ✓ Ninyo & Moore performs C33 testing, and mix design trial batch testing.

Laboratory Testing Accreditations

Ninyo & Moore's testing laboratories have been inspected and/or accredited by:

- AASHTO *
- AMRL *
- ASTM
- A2LA
- Arizona Dept of Transportation (ADOT)
- California Dept of Transportation (Caltrans) *
- California Division of the State Architect
- CCRL *
- City of Henderson
- City of Las Vegas
- City of Los Angeles
- City of North Las Vegas
- City of San Diego
- City of Tucson
- Clark County
- NAQTC
- Nevada Dept of Transportation (NDOT)

* Accreditation requires participation in the reference sample program. Results from these samples are scored with laboratories at the Statewide/National levels.



Los Angeles Abrasion Machine



Ninyo & Moore Mobile Laboratory