

# LABORATORY SERVICES



An AASHTO Accredited Laboratory

## Your *Go-To* Testing Laboratory for the Ready-Mix Industry

### WHY TCG?

- Nationwide Services
- An AASHTO Accredited Laboratory
- Ready-Mix and Admixture Industries Direct Experience
- Quick Turn-Around
- Economical and Confidential

Whether it is low strength on a job or failed exterior and interior flatwork, we can help. With job specifications getting more and more complicated, we can assist you in meeting those requirements.

**TCG conducts test methods and specifications according to ASTM, NACE, AASHTO, USBR, CRD, and ACI.**

- Concrete Mix Verifications (ASTM C94, ACI 211)
- Aggregate Gradations (ASTM C136, C117)
- Shrinkage (including Restrained & Autogenous) (ASTM C157, C1581, C1698)
- Petrographic Analysis & Hardened Air Content (ASTM C856) Air Void Analysis (ASTM C457)
- Alkali-Silica Reactivity on Aggregates & Sulfate Resistance (ASTM C1293, C1260, C1567, C1012)
- Chloride Ion Contents & Profiling (ASTM C1152, C1218)
- Mortar/Concrete Property Testing – Plastic & Hardened (ASTM C305, C109)
- Rapid Chloride Permeability or Resistivity (ASTM C1202, C1760, AASHTO TP95)
- Compressive Strength of Cylindrical Concrete Specimens (ASTM C39)
- Obtaining and Testing Drilled Cores and Sawed Beams of Concrete (ASTM C42)
- Flexural Strength of Concrete (ASTM C78)
- Length Change of Hardened Hydraulic-Cement Mortar and Concrete (ASTM C157)
- Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression (ASTM C469)
- Specification for Chemical Admixtures for Concrete (ASTM C494)
- Resistance of Concrete to Rapid Freezing, Thawing, and Scaling (ASTM C666, C672)
- Standard Test Method for Determining Age at Cracking and Induced Tensile Stress Characteristics of Mortar (ASTM C1581)

**For a complete list of testing services, please visit our Website: [tourneyconsulting.com](http://tourneyconsulting.com)**



Sulfate Expansion



Alkali-Silica Reactivity (ASR)



Concrete Scaling



"The people at TCG are extremely knowledgeable and always meet our expectations. They understand our business and pay meticulous attention to detail."

Scott Peterman, Vice President  
Peterman Concrete



"We have a longstanding relationship with TCG. When we are in a bind, they respond quickly to our needs. We also appreciate their feedback for testing ideas and as always, they do a great job."

Keith Davis, Technical Services Director  
Consumers Concrete



"TCG listens to my testing needs and suggests options for the best outcome. Their team is very knowledgeable of testing standards and I enjoy working with them."

Jim Sellers, Quality Control Manager  
Kuert Concrete Inc.

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**Need help? Call one of our Concrete Specialists. 269.384.9980**