WESTMORELAND
MECHANICAL TESTING & RESEARCH

CORROSION
TEST EXPERTS

Customizable Test Setups & Analyzation

Quick Turnaround

Extensive Scope

Do You Need To...

- Gain regulatory approval?
- Improve product performance?
- Verify engineering specifications?
- Determine material characterization?
- Identify material failures?
- Outsource Quality Assurance or Quality Control?

Services

- Exfoliation
- C-Ring
- Direct Tension
- Asset
- U-Bend
- Pitting and Crevice
- Round and Flat Tensile
- Bent Beam
- Alternate Immersion
- SCC High Strength Aluminum Alloys
- Constant Load Capabilities
- And Much More

Why Westmoreland?

Westmoreland Mechanical Testing & Research is a family owned and operated, independent testing and research laboratory that provides all-inclusive testing for a wide variety of non-metallic and metallic materials, offering standardized and customized testing solutions.

- ✓ Over 50 Years of Materials Testing Expertise
- ✓ Customizable Test Setups and Fixtures
- ✓ Test Susceptibility to Intergranular Corrosion
- ✓ Accredited, High-Quality Testing and Analyzation
- ✓ All-Inclusive Services by One Company
- ✓ On-Site Machining and Specimen Preparation
- ✓ Expedited Loading - Same Day, Next Day, 24-Hour
- ✓ Entrusted by Thousands of Companies Worldwide
- ✓ State-of-the-Art Facilities and Laboratories

Accredited Nadcap™
Materials Testing Laboratory
Non Metallic Materials Testing
Metallic Materials Testing

A2LA ACCREDITED
621.01, 621.02

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CORROSION
Standardized Testing List

SCC	
ASTM G44	Standard Test Method for Brinell Hardness of Metallic Materials
ASTM G47	Standard Test Methods for Rockwell Hardness of Metallic Materials
SCC Configuration	
ASTM G49	Standard Practice for Preparation and Use of Direct Tension Stress-Corrosion Test Specimens
ASTM G38	Standard Practice for Making and Using C-Ring Stress-Corrosion Test Specimens
ASTM G30	Standard Practice for Making and Using U-Bend Stress-Corrosion Test Specimens
ASTM G39	Standard Practice for Preparation and Use of Bent-Beam Stress-Corrosion Test Specimens
EXCO	
ASTM G34	Standard Test Method for Exfoliation Corrosion Susceptibility in 2XXX and 7XXX Series Aluminum Alloys (EXCO Test)
ASTM G66	Standard Test Method for Visual Assessment of Exfoliation Corrosion Susceptibility of 5XXX Series Aluminum Alloys (ASSET Test
Salt Fog	
ASTM G85	Standard Practice for Modified Salt Spray (Fog) Testing (Annex 2)
ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
ASTM B368	Standard Test Method for Copper-Accelerated Acetic Acid-Salt Spray (Fog) Testing (CASS Test)
Corrosion & Miscellaneous	
ASTM G28	Standard Test Methods for Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys
ASTM G48	Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution
ASTM A262	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels
ASTM A923	Standard Test Methods for Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels
ASTM B311	Standard Test Method for Density of Powder Metallurgy (PM) Materials Containing Less Than Two Percent Porosity