



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

EMPIRICAL TESTING CORP.

Colorado Springs, CO

for technical competence in the field of

Mechanical 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 23rd day of December 2009.



A handwritten signature in black ink, reading "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 2142.01
Valid to January 31, 2012

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMPIRICAL TESTING CORP.
4628 Northpark Drive
Colorado Springs, CO 80918
dlissy@empiricaltesting.com
Dawn Lissy Phone: 719 264 9937

MECHANICAL

Valid To: January 31, 2012

Certificate Number: 2142.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on: finished medical device products following ASTM, ISO, and/or FDA guidelines comprised of metals, alloys, and polymers.

Test

Test Methods*

Spinal Implant Constructs in a Vertebrectomy Model	ASTM F1717
Standard Test Methods for Occipital-Cervical and Occipital-Cervical-Thoracic Spinal Implant Constructs in a Vertebrectomy Model	ASTM F2706
Evaluating the Static and Fatigue Properties of Interconnection Mechanisms and Subassemblies Used in Spinal Arthrodesis Implants	ASTM F1798
Intervertebral Body Fusion Devices	ASTM F2077
Measuring Load Induced Subsidence of Intervertebral Body Fusion Device Under Static Axial Compression	ASTM F2267
Static and Dynamic Characterization of Spinal Artificial Discs	ASTM F2346
Standard Guide for Functional, Kinematic and Wear Assessment of Total Disc Prostheses	ASTM F2423
Implants for Surgery - Wear of Total Intervertebral Spinal Disc Prostheses	ISO 18192-1
Components Used in the Surgical Fixation of the Spinal Skeletal System	ASTM F2193
Static, Dynamic and Wear Assessment of Extra-Discal Spinal Motion Preserving Implants	ASTM F2624

Test

Test Methods*

Standard Specifications and Test Methods for Metallic Bone Plates	ASTM F382
Standard Specification and Test Methods for Bioabsorbable Plates and Screws for Internal Fixation Implants	ASTM F2502
Metallic Medical Bone Screws	ASTM F543
Implants for Surgery - Partial and Total Hip Joint Prostheses- Determination of Endurance Properties of Stemmed Femoral Components	ISO 7206-4
Implants for Surgery - Partial and Total Hip Joint Prostheses— Determination of Endurance Properties of Head and Neck region of Stemmed Femoral Components	ISO 7206-6
Implants for Surgery - Partial and Total Hip Joint Prostheses— Endurance Performance of Stemmed Femoral Components with Application of Torsion	ISO 7206-8
Standard Test Method for Determining the Axial Disassembly Force of a Modular Acetabular Device	ASTM F1820
Dentistry - Fatigue Test for Endosseous Dental Implants	ISO 14801
Standard Test Method for Small Punch Testing of Ultra-High Molecular Weight Polyethylene Used in Surgical Implants	ASTM F2183
Standard Specifications and Test Methods for External Skeletal Fixation Devices	ASTM F1541

*Also using customer-driven specifications based on the test method(s) listed above.