



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SPINESERV GMBH & CO.KG  
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MECHANICAL

Valid To: March 31, 2022

Certificate Number: 5702.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on Surgical Implants and Prosthetics:

**Test Technology:**

**Test Method(s):**

*Tribology*

Implants for surgery — Wear of total hip-joint prostheses — Part 1: Loading and displacement parameters for wear-testing machines and corresponding environmental conditions for test ISO 14242-1: 2014/Amd 1:2018

Implants for surgery — Wear of total knee-joint prostheses — Part 1: Loading and displacement parameters for wear-testing machines with load control and corresponding environmental conditions for test ISO 14243-1: 2009

Implants for surgery — Wear of total knee-joint prostheses — Part 2: Methods of measurement ISO 14243-2: 2016

Implants for surgery — Wear of total knee-joint prostheses — Part 3: Loading and displacement parameters for wear-testing machines with displacement control and corresponding environmental conditions for test ISO 14243-3: 2014

Anaesthetic and respiratory equipment — Peak expiratory flow meters for the assessment of pulmonary function in spontaneously breathing humans ISO 23747: 2015

*Mechanical*

Needle-based injection systems for medical use — Requirements and test methods — Part 1: Needle-based injection systems ISO 11608-1: 2014

Standard Test Method for Impingement of Acetabular Prostheses ASTM F2582-14

Standard Test Method for Seal Strength of Flexible Barrier Materials ASTM F88-15

Standard Test Methods for Dynamic Evaluation of Glenoid Loosening or Disassociation ASTM F2028-17

**Test Technology:**

**Test Method(s):**

Standard Specification for Metallic Implantable Strands and Cables

ASTM F2180-17

Implants for surgery — Hydroxyapatite — Part 4: Determination of coating adhesion strength

ISO 13779-4: 2018

Standard Test Method for Tension Testing of Calcium Phosphate and Metallic Coatings

ASTM F1147-05(2017)

Standard Test Method for Shear Testing of Calcium Phosphate Coatings and Metallic Coatings

ASTM F1044-05(2017)

Standard Test Method for Shear and Bending Fatigue Testing of Calcium Phosphate and Metallic Medical and Composite Calcium Phosphate/Metallic Coatings

ASTM F1160-14(2017)\*

Implants for surgery — Partial and total hip-joint prostheses — Part 10: Determination of resistance to static load of modular femoral heads

ISO 7206-10: 2018

Small bore connectors for liquids and gases in healthcare applications — Part 6: Connectors for neuraxial applications

ISO 80369-6: 2016

\*Equipment for this test is calibrated to ISO 7500-1 with a documented equivalence to ASTM E4, but the dynamic verification of the equipment per ASTM E467 is not performed.



## Accredited Laboratory

A2LA has accredited

**SPINESERV GMBH & CO.KG**

*Ulm, Germany*

for technical competence in the field of

**Mechanical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 April 2017).



Presented this 26<sup>th</sup> day of February 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5702.01  
Valid to March 31, 2022

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