



Instron® Corporation

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Certificate of Conformance - Bluehill® Calculation Test Suite

Dear Instron Customer,

The Bluehill Standard Calculation Test Suite compares results from the software under test with expected results using known data sets as input. The expected results are determined using a variety of independent methods including MathCad, Excel, hand calculation and visual inspection.

The following calculation algorithms are included in the Bluehill Standard Calculation Test Suite:

Absolute Peak

- Maximum
- Minimum

Average Value

- Integral
- Peaks
- Peaks and Troughs
- Regions
- Troughs

Break

- % Maximum Load
- Load
- Load/Displacement
- Load/Strain
- Standard

Coefficient of Friction

Creep/Relaxation

- Delta Creep
- Delta Relaxation
- Total Creep
- Total Relaxation

First Peak

Hold Preset Point

Local Peak

- Maximum
- Minimum

Preset Point

Modulus

- Automatic
- Chord
- Secant
- Segment
- Tangent
- Young's

Slack Correction

- Automatic
- Channel
- Young's

User Calculation

Yield

- Lower
- Offset
- Slope Threshold
- Zero Slope

Sincerely,

A handwritten signature in black ink, appearing to read "Roger Tunsley".

Roger Tunsley
Software Quality Assurance Manager
The Difference is Measurable
Tel: (781) 828-2500 • Fax: (781) 575-5750

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