

Certificate of Conformance – Bluehill® LE 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 calculation test suite:

Absolute Peak	Local Peak
Maximum	Maximum
Minimum	Minimum Preset Point Modulus
Average Value	Automatic
Integral	Chord
Peaks	Secant
Peaks and Troughs	Segment
Regions	Tangent
Troughs	Young's
Break	Slack Correction
% Maximum Load	Automatic
Load	Channel
Load/Displacement	Young's User Calculation Yield
Load/Strain	Lower
Standard Coefficient of Friction Creep/Relaxation	Offset
Delta Creep	Slope Threshold
Delta Relaxation	Zero Slope
Total Creep	
Total Relaxation	
First Peak	
Hold Preset Point	

Sincerely,



Jeffrey Manney
Engineering R&D Manager
System Quality Assurance

March 28, 2017