

[organization name]

Appendix 1 – Measurement Uncertainty Checklist

Item or Calibration Name: e.g. Temperature Probe	Technical Specification: e.g. IPTS-68	Range: 100°C to 200°C	
Types of Equipment Used: e.g. Heat Source 2 nd Test Gage Voltage Source Freezer Unit	Method Number: 1000	Reference Date: 1/1/2018	
Date of Test or Calibration: 1/1/2018	Location of Test or Calibration: Lab 1000	Environmental Conditions: e.g. 70 ^o f Humidity 50%	
Uncertainty Factors			
Possible Factor	Factor Yes / No	Type A or Type B	
Sampling	n/a	B	
Identification, storage and handling of samples	n/a	B	
Preparation of samples	n/a	B	
Measurement and measurement method	n/a	B	
Reference against the scale	Yes	B	
Resolution or readability	Yes	B	
The measuring instrument	Yes	B	
Reference standards and reference values	Yes	B	
Method	Yes	B	
Stability of the measured value (drift)	n/a	B	
Test or Calibration Measurements	Yes	A	
Results			
Quantity	Arithmetic Mean	Standard Deviation	Type Distribution
Temperature	0.0245°C	0.02°C	Normal
Resolution	0.0500°C	0.03°C	Rectangular
Resolution of the scale	0.06°C	0.13°C	Normal
Calculate Expanded Uncertainty: e.g. 0.053°C			

Commented [170251]: Information about the item under test (IUT) or the piece of equipment to be calibrated.

Commented [170252]: Reference the standards and guides listed in the procedure for a complete list of Type A and B factors.

Commented [170253]: Type A factors are always variable

Commented [170254]: n/a = Not Applicable. Meaning it is not a factor in this test or calibration.

Commented [170255]: Other sources of Type A data are

Commented [170256]: Most data falls under a normal

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Commented [170258]: This is only necessary if the document is in paper form.