Intertek

Calibration Date: 12/30/2015 Calibration By: BZ Calibration Due: 6/30/2016

Using: Spirometer
Use Procedure: WI-L-AMER-Cali-1141
Description:
Serial: Model: 71-S
29.12 Asset #: 1268

Run Number	Meter Initial	Barometric Pressure	Spirometer Temperature	Vapor Pressure of H_2O (Hg)	Meter Temperature	Meter Pressure	Measurement Inches	Spirometer Volumn	Meter Final	Y
1	642.560	29.12	70.0	0.7320	64.8	2	22.9375	1.0426	643.560	1.0064
2	643.560	29.12	69.4	0.7170	64.6	2	22.9375	1.0426	644.560	1.0077
3	644.560	29.12	69.6	0.7220	64.5	2	22.9375	1.0426	645.560	1.0070
								0.8607	AVERAGE	1.0070
								0.3151	STDEV.	0.00065
									MU of Y	0.0017

Reviewed by: KS Date: 12/30/15 0.739

Measurement Uncertainty is calculated using the following formula:
O.M.U. = k*sqrt ((A.D.)2 + (S.D.)2 + (R.M.U./2)2)
O.M.U. = Overall Measurement Uncertainty
A.D. = Average Deviation of the difference of all measured results compared to the reference value.
S.D. = Standard Deviation of the difference of all measured results compared to the reference value.
k = Confidence Factor (2 for 95% confidence)
R.M.U. = Standard Measurement Uncertainty of Reference Measurement Equipment. R.M.U. is considered as the measurement uncertainty as stated on calibration certificates of equipment, or the tolerance listed in th