PERFOMANCE DATA

Measuring Range (1) - Interval, determined by calibration, between the highest and the lowest content, where the lowest possible limit of the working range is the of quantification of the analytical method.	
Procedure - Statistic evaluation of method performance.	**Result** 0.00 – 4000 NTU (NTU Ratio mode)

Detection Limit (LOD) (2) - The constituent concentration that, when processes through the complete method, produces a signal with 99% probability that it is different from the blank in reagent water that produces a signal above the mean of blank analyses.	
Procedure - 3 Standard deviation of 20 replicates by 1 NTU Certified Reference Material.	**Result** 0.03 NTU

Quantification Limit (LOQ) (2) - The constituent concentration that, when processes through the complete method, produces a signal sufficient greater than the blank that it can be detected within specified level by good laboratories during routine operating condition	
Procedure - 10 Standard deviation of 20 replicates by 1 NTU Certified Reference Material.	**Result** 0.10 NTU

Uncertainty (of measurement) (3) - Parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the measurand	
Procedure (4) – In compliance with QUAM-2012.P1	**Result** ± 4.5% (at 1 NTU) ± 3.5% (at 15 NTU) ± 3.5 % (at 100 NTU) ± 3.5 % (at 750 NTU) ± 5.5% (at 2000 NTU) ± 5.5% (at 3500 NTU)

CERTIFIED REFERENCE MATERIAL USED FOR UNCERTAINTY ESTIMATION	
VALUE NTU	1.00 – 10.00 – 100
MANUFACTURER	ISO 17034 REFERENCE MATERIAL PRODUCER

Reference Document

(1): ISO 8466-1
(2): Standard Methods for the Examination of Water and Waste water, 1010/1020
(3): JCM 100 - Evaluation of measurement data — Guide to the expression of uncertainty in measurement
(4): QUAM-2012.P1: Quantifying Uncertainty in Analytical Measurement

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