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Pipette Gravimetric

Certificate Number: 559060867

Date of Calibration: 28-OCT-2015

SECTION 1: NAME AND ADDRESS OF CUSTOMER

VWR International 100 Matsonford Road Radnor, PA 19087

SECTION 2: APPROVED SIGNATORY

Steven Armstrong

SECTION 3: PERSON PERFORMING WORK

Leila Smith

SECTION 4: CERTIFICATE INFORMATION

Description of Pipette: VWR UHP VE100-1000UL

Manufacturer of Pipette: VWR

Order Number : 198273645 Date Received : 27-OCT-2015
Serial Number : 559060867 Date of Calibration : 28-OCT-2015
Balance Used : AX205 Date of Issue : 28-OCT-2015

Work Order Number: 00860525

SECTION 5: ENVIRONMENTAL CONDITIONS DURING TEST

Temperature: 21.30 °C Pressure: 758.49 mm Hg Humidity: 45.00 % Z-Factor: 1.003014

SECTION 6: PERTINENT INFORMATION

The Pipettes listed on this calibration report have been tested on balances calibrated with reference mass standards that are directly traceable to the National Institute of Standards and Technology under Test No. 822/822-275872-11.

This calibration meets specifications as outlined in DIN 12650, ISO 8655, ASTM E1154, ISO 9001, ISO/IEC 17025.

The uncertainty is the error in volume due to the measurement process. Uncertainty is calculated per NIST Technical Note 1297 using coverage factor of k = 2 (k=2 defines an interval having a level of confidence of approximately 95 percent) The uncertainty associated with the measurement is not included in determining inaccuracy Pass/Fail Results.

Equipment used to monitor the environmental conditions in the certification laboratory have been compared with standards that are directly traceable to the National Institute of Standards and Technology (NIST).

The density of water is traceable to the SI units through the Jones/Harris Equation (1992, ITS-90)