



# Houston Forensic Science Center

Forensic Analysis Division - Toxicology

## pH Meter Performance Check

Manufacturer: Mettler-Toledo

Model: SevenDirect™ SD50

Serial Number: C202370166

### Weekly Maintenance:

Rinse electrode



Date: 11/6/2023

Verify electrode storage solution and expiration date



Verify pH buffer solution expiration dates



Initials: BAM

Comments: The calibration and verification performed on 11/7/2023 was due to updating the pH Method on the pH meter. The calibration buffer pH 10.01 was changed to pH 10.00 due to using a new mettler-toledo buffer solution while the pH 10.01 buffer solution is on backorder. -BAM 11/7/2023

The new pH 10.00 buffer solution is acceptable for use in Calibration & Verification of the pH meter.

Date	Initials	pH 4.0	pH 7.0	pH 10.0	Slope (%) (95-105%)	Calibration ✓/X	Verification ✓/X
		Temperature (°C)	Temperature (°C)	Temperature (°C)			
11/7/2023	BAM	pH 4.00 22.1°C	pH 7.01 22.1°C	pH 10.08 21.8°C	97.7%	✓	✓
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-BAM  
11/7/2023

gv 11/13/2023

Form Complete Signature/Date:  11/13/2023