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SAMI² pH Validation Certificate

April 2, 2024

Serial Number: P0117
RMA Number: 281
Technician: BW
Reagent: pmcp1289

Table 1: SAMI² pH E-values.

Ea ₄₃₄	Eb ₄₃₄	Ea ₅₇₈	Eb ₅₇₈
17372.0	2284.0	94.1	38676.0

Validation Notes

Tris Batch: 013124

$\Delta T = 0.16^{\circ}\text{C}$

Tris Bottle: 9

$N = 9$

Validation Temp: 24.98 °C

$\Delta \text{pH} = -0.0009 \pm 0.0006$

Build Notes

Pressure Test: 200 psi – Passed

Modifications:

standard refurbishment

IR testing

2x Semrock filter upgrade