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SAMI² CO₂ Calibration Certificate

November 17, 2020

Serial Number: c117
RMA Number: 091707
Technician: BW
Reagent: btb_0347

Table 1: SAMI² CO₂ calibration parameters.

| A | B | C | K_{434} | K_{620} | T_{avg} | Range (ppm) |
|--------|--------|---------|-----------|-----------|-----------|-------------|
| 0.0696 | 0.5080 | -1.4475 | 1.0571 | 1.1045 | 11.0216 | 202–1191 |

Table 2: Blank intensities.

| Source | Reference | Signal |
|--------|-----------|--------|
| Dark | 30 | 71 |
| 434 nm | 3248 | 3476 |
| 620 nm | 2950 | 3298 |

Build Notes

Pressure Test: 200 psi

Modifications:

- standard refurbishment
- extended cal range
- pump replacement
- valve replacement

