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## SAMI<sup>2</sup> CO<sub>2</sub> Calibration Certificate

April 9, 2025

Serial Number: SAMI C0090  
Board Version: E Board  
Technician: BW  
Reagent: BTB0617  
Reagent Remaining: 10%

Table 1: SAMI<sup>2</sup> CO<sub>2</sub> calibration parameters.

A	B	C	$K_{434}$	$K_{620}$	$T_{avg}$	Range (ppm)
0.0698	0.4808	-1.3879	0.9288	1.1436	15.0591	205–2000

Table 2: Blank intensities.

Source	Reference	Signal
Dark	89	61
434 nm	3121	2877
620 nm	2488	2804

## Build Notes

**Pressure Test:** 200 psi

### Modifications:

10

Standard Refurb

IR test

replaced broken 3-pin bulkhead w/ used part 1/2 hr labor

2x Semrock Filters

ext cal

