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

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Serial Number: C117  
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Reagent: btbeg0021

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

| A      | B      | C       | $K_{434}$ | $K_{620}$ | $T_{avg}$ | Range (ppm) |
|--------|--------|---------|-----------|-----------|-----------|-------------|
| 0.0381 | 0.7135 | -1.6716 | 0.6990    | 1.1050    | 4.7548    | 203–1198    |

Table 2: Blank intensities.

| Source | Reference | Signal |
|--------|-----------|--------|
| Dark   | 60        | 37     |
| 434 nm | 3130      | 2184   |
| 620 nm | 2150      | 2348   |

## Build Notes

Pressure Test: 200 psi

### Modifications:

Cold Cal, ext range

