BrW-008

# **INTOXILYZER® 8000 CALIBRATION ADJUSTMENT**

| Intoxily  | zer® 8000 Serial Nui   | mber: <u>80-00</u> | 2667 Locat                   | ion: TOXL    |
|---|--|--------------------|------------------------------|--------------|
|   | A. Flow Sensor Calibration and Verification Check (Level 3,M,C,F)  1. Replaced o-rings if damaged ADJUST  2. Flow Meter Serial Number: 55260 € 40655  3. Air Supplied to Intoxilyzer® 8000 at:  a. ★5 L/min ★ 15 L/min ★ 30 L/min  4. ★Flow Rate Calibration Printout Attached  a. ★ Correlation ≥ 0.99000  5. ★Flow Sensor Calibration Verification (Level 3,D,F)  a. 10 L/min: 0. 156 L/S X 60 Sec/min = 9,36 L/min  b. 20 L/min: 0. 329 L/S X 60 Sec/min = 19.49 L/min  c. ★Flow Rates within ± 1 L/min of Expected Value |                    |                              |              |
| B. Gas Tank Sensor Check (Level 3,D,G)  1. Display: 253 psi Regulator: 250 psi  2. M Display and Regulator within 50 psi  3. Completed tare of tank sensor if needed (Level 3,M,C,G)  C. Optical Bench Calibration and Verification Check (Level 3,M,C,O)  1. □ Autocalibration Printout Attached  a. □ Max Power Res Value ≥ 10  b. □ Auto Range Res Value ≥ 4  Simulator Solutions for Optical Bench Calibration Adjustment  a. □ Set # Solutions to Run at 5 |  |                    |                              |              |
| Soln.   | g/210 L  | Lot No.            | Exp. Date                    | Simulator SN |
| 1   | 0.000  | NA – MilliQ<br>H₂O | NA – MilliQ H <sub>2</sub> O |              |
| 2   |  |                    |                              |              |
| 3   |  |                    |                              |              |
| 4   |  |                    |                              |              |
| 5   |  |                    |                              |              |
| <ol> <li>0.100 AC Calibration Gas for H2O Adjustment         <ul> <li>a. Lot No Cyl No Exp. Date:</li> </ul> </li> <li>4. Atmospheric Pressure         <ul> <li>a mbar Displayed by Intoxilyzer<sup>®</sup> 8000</li> <li>b mbar Adjusted to using barometer</li> <li>c mbar on Auto Calibration Report printout</li> </ul> </li> <li>5. □ Screen displayed "Calibration Success"</li> </ol>  |  |                    |                              |              |

# OFFICE OF ATTORNEY GENERAL CRIME LABORATORY DIVISION

Toxicology Section/Breath Alcohol Program Intoxilyzer® 8000 Calibration Adjustment

**BrW-008** 

| 6.  |             | ibration Adjustmen  | i Printout Attach | eu                      |            |
|---|-------------|---|-------------------|-------------------------|------------|
|   | a.          | ☐ Solution 1 Avg  | % Abs ≤ 0.2500    |                         |            |
|   | b.          | ☐ Solution 2-5 RE   | L STD DEV ≤ 3     | .000                    |            |
|   | C.          | ☐ Residual (g/210   | L) Values for So  | olutions $1-5 \le 0.00$ | )20 for 3  |
|   |             | μm and 9 μm cha   |                   |                         |            |
|   | d.          | ☐ Dry Gas H2O A   |                   | or 3 μm and 9 μm        | 1          |
|   |             | channels within ±   | -                 | •                       |            |
|   |             | Average I   |                   |                         |            |
|   | 3 um        | +   | · =               |                         |            |
|   | 9 um        | ++  | =                 |                         |            |
| 7.  | Ont         | ical Bench Calibrat                                       | on Verification ( | l evel 1. S and C)      |            |
|   |             | Calibration Check   | on vormoduon (    | 2010: 1, 0 and 0,       |            |
|   | i           | LOW AC Known V  | alue ≤ 0.03 AC:   | 0.030 AC                |            |
|   | ••          | Sim. SN: MY 528°<br>High AC Known V<br>Sim. SN: 202103    | 9 Lot No.: 2019   | I/E Exp. Date:          | 11.19.21   |
|   | ii          | High AC Known V   | alue ≥ 0.25 AC:   | 0,400 AC                |            |
| MF  | 306.        | 2Sim SN-202103  | £1 of No. 202     | 103 EExp. Date:         | 3.29.23    |
| h   | _ ^         | . Pr Pr Al  | / \               | 10 A C                  |            |
| U.  | Lot No      | alibration Check: Ro<br>0.24119.080.A1<br>1.0.081.AC Test | Cvl No.           | Exp. Date: //           | 5.21       |
|   | Test 1      | 1.0.081 AC Test   | 4 0.082 AC        | Test 7 0.082AC          |            |
|   | Test 2      | 2 <u>0.081</u> AC Test                                    | 5 0.08 ( AC       | Test 8 /1.081 AC        |            |
|   | Test :      | 3 <u>0.08/</u> AC Test                                    | 6 0.08 AC         | Test 9 4.082-AC         | •          |
|   |             | ige 0.08(_AC  | <u>Divol</u>      |                         |            |
|   | , , ,       | 190 <u>0 1000,</u> 7 10                                   |                   |                         |            |
| C   | M We        | t Calibration Check                                       | and Dry Calibra   | tion Check AC re        | sults are  |
| <b>O</b> .                                |             | $\pm 0.005 \text{ or } \pm 5\% \text{ (v)}$               |                   |                         |            |
|   |             | •   | _                 |                         |            |
| D. Rema<br>ADEQUATE BR<br>NEEDS FLOW SEAR | rke/Ms      | intenance. Tu sava  | INE THE BECA      | ME DIFFICALT            | - to Sugar |
| And some Be                               | ن رسما ہے ا | SAMPLE DUR  | 1016 2020-2       | 1 CLASSO ONLA           | USAGE.     |
| NEGOC FINISE                              | Car (       | AL IRRATION .   | OPTICAL BY        | SICH CALIBRA            | ened       |
| NOT NEEDED.                               | or or       | - CIBICA TICKS  | <u> </u>          |                         | , 110~     |
| NOT NEW YOU.                              |             |   |                   |                         |            |
| ≾Instrument is acc                        | entable     | to he used in the t                                       | ield              |                         |            |
| Mistrument is acc                         | cptable     | , to be used in the                                       | ioia.             |                         |            |
| •   |             |   |                   |                         |            |
|   |             | <i>/</i>  |                   |                         |            |
|   |             |   |                   | _                       |            |
| 1 Kulla                                   | te          | tok   | 4.1               | 19.21                   |            |
| Breath Analyst Sigr                       | nature      | <u>-</u>  | Date              | 19.21<br>9-21           |            |
|   | 1 /, /      |   | , , .             | Λ                       |            |
| Vali I a                                  | SIA         | )   | 4-1               | 4-21                    |            |
| Reviewed by                               | UKU C       |   | Date              |                         | _          |
| . Criottoa by                             |             |   |                   |                         |            |

CMI, Inc. Intoxilyzer Alcohol Analyzer North Dakota Model 8000 SN 80-002667 Location = TOXL 8164.14.00 09/16 04/19/2021 13:40

Flow Rate Calibration \*\*\*\*\*\*\*

1: Rate (Liters/min) = 5 SQRT(Diff)) = 3.316

2: Rate (Liters/min) = 15 SQRT(Diff)) = 7.613

3: Rate (Liters/min) = 30 SQRT(Diff)) = 18.680

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256 Junta Edl

Rounded Slope = 615

Rounded Intercept = 113911

Correlation = 0.99102

CMI, Inc. Intoxilyzer
North Dakota Model 8000
Location = TOXL
04/19/2021

Alcohol Analyzer SN 80-002667 8164.14.00 09/16 13:53

#### WET CAL CHECK

| Test         | AC    | Time  |
|--------------|-------|-------|
| 01 Room Air  | 0.000 | 13:53 |
| 02 Std. Sol. | 0.029 | 13:54 |
| 03 Room Air  | 0.000 | 13:55 |
| 04 Std. Sol. | 0.029 | 13:55 |
| 05 Room Air  | 0.000 | 13:56 |
| 06 Std. Sol. | 0.029 | 13:56 |
| 07 Room Air  | 0.000 | 13:57 |

 $08 \text{ Sim Temp} = 34.0^{\circ}\text{C}$ 

Simul Ser No = MP5289 Std Sol No = 201911E

County = 08

Oper No. = 666666

Operator Signature CHARLES EDER

LOW AC

Remarks:

0.030AC Form 106-18000

CMI, Inc. Intoxilyzer
North Dakota Model 8000
Location = TOXL
04/19/2021

SN 80-002667 8164.14.00 09/16 13:58

#### WET CAL CHECK

| Test         | AC    | Time  |
|--------------|-------|-------|
| 01 Room Air  | 0.000 | 13:59 |
| 02 Std. Sol. | 0.402 | 13:59 |
| 03 Room Air  | 0.000 | 14:00 |
| 04 Std. Sol. | 0.404 | 14:01 |
| 05 Room Air  | 0.000 | 14:01 |
| 06 Std. Sol. | 0.405 | 14:02 |
| 07 Room Air  | 0.000 | 14:02 |

 $08 \text{ Sim Temp} = 34.0^{\circ}\text{C}$ 

Simul Ser No = MP3062 Std Sol No = 202103E

County = 08

Oper No. = 666666

Operator Signature CHARLES EDER

HIGH +

Remarks:

Form 106-I8000

CMI, Inc. Intoxilyzer North Dakota Model 8000 Location = TOXL 04/19/2021

Alcohol Analyzer SN 80-002667 8164.14.00 09/16 14:05

## DRY CAL CHECK

| Test        | AC    | Time  |
|-------------|-------|-------|
| 01 Room Air | 0.000 | 14:05 |
| 02 Std. Gas | 0.081 | 14:05 |
| 03 Room Air | 0.000 | 14:06 |
| 04 Std. Gas | 0.081 | 14:06 |
| 05 Room Air | 0.000 | 14:07 |
| 06 Std. Gas | 0.081 | 14:07 |
| 07 Room Air | 0.000 | 14:08 |

Lot No = 24119080A1

Cyl No = 6

Exp Date = 11/05/2021

County = 08

Oper No. = 666666

Operator Signature ALIBRATION CHECK

Remarks:

Form 106-I8000

CMI, Inc. Intoxilyzer
North Dakota Model 8000
Location = TOXL
04/19/2021

Alcohol Analyzer SN 80-002667 8164.14.00 09/16 14:08

#### DRY CAL CHECK

| Test        | AC    | Time  |
|-------------|-------|-------|
| 01 Room Air | 0.000 | 14:08 |
| 02 Std. Gas | 0.082 | 14:09 |
| 03 Room Air | 0.000 | 14:09 |
| 04 Std. Gas | 0.081 | 14:10 |
| 05 Room Air | 0.000 | 14:10 |
| 06 Std. Gas | 0.081 | 14:10 |
| 07 Room Air | 0.000 | 14:11 |

Lot No = 24119080A1

Cyl No = 6

Exp Date = 11/05/2021

County = 08

Oper No. = 666666

Operator Signature

CHARLES EDER

0.080 Ac

Form 106-I8000

CMI, Inc. Intoxilyzer
North Dakota Model 8000
Location = TOXL
04/19/2021

Alcohol Analyzer SN 80-002667 8164.14.00 09/16 14:11

## DRY CAL CHECK

| Test    |     | AC    | Time  |
|---------|-----|-------|-------|
| 01 Room |     | 0.000 | 14:12 |
| 02 Std. | Gas | 0.082 | 14:12 |
| 03 Room | Air | 0.000 | 14:12 |
| 04 Std. | Gas | 0.081 | 14:13 |
| 05 Room | Air | 0.000 | 14:13 |
| 06 Std. | Gas | 0.082 | 14:14 |
| 07 Room | Air | 0.000 | 14:14 |

Lot No = 24119080A1

Cyl No = 6

Exp Date = 11/05/2021

County = 08

Oper No. = 666666

Operator Signature CHARLES EDER

Remarks:

Form 106-I8000

0.080 AC