DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00001

SOLUTION TARGET CONCENTRATION: 0.009

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| **Reference Value:** | **0.0090** | **0.0090** | **0.0090** | **0.0090** | **0.0090** | **0.0090** | **0.0090** | **0.0090** | **0.0090** | **0.0090** |
| | 0.011 | 0.011 | 0.011 | 0.011 | 0.009 | 0.009 | 0.011 | 0.010 | 0.009 | 0.009 |
| | 0.010 | 0.010 | 0.011 | 0.010 | 0.009 | 0.009 | 0.010 | 0.010 | 0.009 | 0.009 |
| | 0.010 | 0.010 | 0.011 | 0.010 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.009 |
| | 0.010 | 0.010 | 0.011 | 0.010 | 0.009 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 |
| | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.009 | 0.011 | 0.011 | 0.010 | 0.010 |
| | 0.010 | 0.010 | 0.011 | 0.010 | 0.010 | 0.009 | 0.011 | 0.011 | 0.010 | 0.010 |
| | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.009 | 0.011 | 0.011 | 0.010 | 0.010 |
| | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.009 | 0.011 | 0.011 | 0.010 | 0.010 |
| | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.009 | 0.011 | 0.010 | 0.010 | 0.010 |
| | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | 0.009 | 0.011 | 0.011 | 0.010 | 0.010 |
| Mean: | 0.0101 | 0.0101 | 0.0105 | 0.0101 | 0.0096 | 0.0091 | 0.0107 | 0.0105 | 0.0098 | 0.0097 |
| SD: | 0.0003 | 0.0003 | 0.0005 | 0.0003 | 0.0005 | 0.0003 | 0.0005 | 0.0005 | 0.0004 | 0.0005 |
| Bias %: | 12.22 | 12.22 | 16.67 | 12.22 | 6.67 | 1.11 | 18.89 | 16.67 | 8.89 | 7.78 |
| CV %: | 2.97 | 2.97 | 4.76 | 2.97 | 5.21 | 3.30 | 4.67 | 4.76 | 4.08 | 5.15 |
| Calculated Mean-Ref. Value Difference: | 0.0011 | 0.0011 | 0.0015 | 0.0011 | 0.0006 | 0.0001 | 0.0017 | 0.0015 | 0.0008 | 0.0007 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00002

SOLUTION TARGET CONCENTRATION: 0.0147

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| Reference Value: | 0.0147 | 0.0147 | 0.0147 | 0.0147 | 0.0147 | 0.0147 | 0.0147 | 0.0147 | 0.0147 | 0.0147 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.013 | 0.015 | 0.014 | 0.017 | 0.016 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.017 | 0.016 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.017 | 0.016 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.016 | 0.016 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.014 | 0.015 | 0.017 | 0.015 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.015 | 0.017 | 0.015 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.016 | 0.015 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.016 | 0.015 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.016 | 0.015 | 0.016 | 0.015 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.015 | 0.015 | 0.016 | 0.015 |
| Mean: | 0.0140 | 0.0140 | 0.0140 | 0.0140 | 0.0139 | 0.0139 | 0.0149 | 0.0149 | 0.0165 | 0.0154 |
| SD: | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0003 | 0.0006 | 0.0003 | 0.0005 | 0.0005 |
| Bias %: | -4.76 | -4.76 | -4.76 | -4.76 | -5.44 | -5.44 | 1.36 | 1.36 | 12.24 | 4.76 |
| CV %: | 0.00 | 0.00 | 0.00 | 0.00 | 2.16 | 2.16 | 4.03 | 2.01 | 3.03 | 3.25 |
| Calculated Mean-Ref. Value Difference: | -0.0007 | -0.0007 | -0.0007 | -0.0007 | -0.0008 | -0.0008 | 0.0002 | 0.0002 | 0.0018 | 0.0007 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00003

SOLUTION TARGET CONCENTRATION: 0.0204

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| **Reference Value:** | **0.0204** | **0.0204** | **0.0204** | **0.0204** | **0.0204** | **0.0204** | **0.0204** | **0.0204** | **0.0204** | **0.0204** |
| | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.019 | 0.021 | 0.020 | 0.021 | 0.019 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.019 | 0.019 | 0.021 | 0.020 | 0.021 | 0.019 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.021 | 0.020 | 0.021 | 0.020 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.021 | 0.020 | 0.021 | 0.020 |
| | 0.020 | 0.019 | 0.021 | 0.019 | 0.019 | 0.019 | 0.021 | 0.020 | 0.021 | 0.020 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.021 | 0.020 | 0.021 | 0.020 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.019 | 0.019 | 0.021 | 0.020 | 0.021 | 0.020 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.019 | 0.019 | 0.021 | 0.020 | 0.021 | 0.020 |
| | 0.020 | 0.019 | 0.021 | 0.019 | 0.020 | 0.019 | 0.021 | 0.020 | 0.021 | 0.020 |
| | 0.020 | 0.020 | 0.020 | 0.020 | 0.020 | 0.019 | 0.021 | 0.020 | 0.022 | 0.020 |
| Mean: | 0.0199 | 0.0191 | 0.0201 | 0.0191 | 0.0195 | 0.0190 | 0.0210 | 0.0200 | 0.0211 | 0.0198 |
| SD: | 0.0003 | 0.0003 | 0.0006 | 0.0003 | 0.0005 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0004 |
| Bias %: | -2.45 | -6.37 | -1.47 | -6.37 | -4.41 | -6.86 | 2.94 | -1.96 | 3.43 | -2.94 |
| CV %: | 1.51 | 1.57 | 2.99 | 1.57 | 2.56 | 0.00 | 0.00 | 0.00 | 1.42 | 2.02 |
| Calculated Mean-Ref. Value Difference: | -0.0005 | -0.0013 | -0.0003 | -0.0013 | -0.0009 | -0.0014 | 0.0006 | -0.0004 | 0.0007 | -0.0006 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00004

SOLUTION TARGET CONCENTRATION: 0.0408

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| **Reference Value:** | **0.0408** | **0.0408** | **0.0408** | **0.0408** | **0.0408** | **0.0408** | **0.0408** | **0.0408** | **0.0408** | **0.0408** |
| | 0.039 | 0.038 | 0.040 | 0.038 | 0.039 | 0.038 | 0.040 | 0.039 | 0.039 | 0.038 |
| | 0.039 | 0.038 | 0.040 | 0.038 | 0.040 | 0.039 | 0.040 | 0.039 | 0.040 | 0.039 |
| | 0.040 | 0.039 | 0.040 | 0.038 | 0.040 | 0.040 | 0.040 | 0.039 | 0.040 | 0.039 |
| | 0.040 | 0.039 | 0.040 | 0.038 | 0.040 | 0.040 | 0.040 | 0.039 | 0.040 | 0.039 |
| | 0.040 | 0.039 | 0.040 | 0.039 | 0.040 | 0.040 | 0.040 | 0.039 | 0.040 | 0.039 |
| | 0.040 | 0.039 | 0.040 | 0.038 | 0.040 | 0.040 | 0.040 | 0.039 | 0.041 | 0.039 |
| | 0.040 | 0.039 | 0.040 | 0.039 | 0.040 | 0.040 | 0.040 | 0.039 | 0.040 | 0.039 |
| | 0.040 | 0.039 | 0.040 | 0.039 | 0.040 | 0.040 | 0.040 | 0.039 | 0.041 | 0.039 |
| | 0.040 | 0.039 | 0.040 | 0.039 | 0.040 | 0.039 | 0.040 | 0.040 | 0.041 | 0.039 |
| | 0.040 | 0.039 | 0.040 | 0.039 | 0.040 | 0.039 | 0.040 | 0.039 | 0.041 | 0.039 |
| Mean: | 0.0398 | 0.0388 | 0.0400 | 0.0385 | 0.0399 | 0.0395 | 0.0400 | 0.0391 | 0.0403 | 0.0389 |
| SD: | 0.0004 | 0.0004 | 0.0000 | 0.0005 | 0.0003 | 0.0007 | 0.0000 | 0.0003 | 0.0007 | 0.0003 |
| Bias %: | -2.45 | -4.90 | -1.96 | -5.64 | -2.21 | -3.19 | -1.96 | -4.17 | -1.23 | -4.66 |
| CV %: | 1.01 | 1.03 | 0.00 | 1.30 | 0.75 | 1.77 | 0.00 | 0.77 | 1.74 | 0.77 |
| Calculated Mean-Ref. Value Difference: | -0.0010 | -0.002 | -0.0008 | -0.0023 | -0.0009 | -0.0013 | -0.0008 | -0.0017 | -0.0005 | -0.0019 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00005

SOLUTION TARGET CONCENTRATION: 0.0804

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| **Reference Value:** | **0.0804** | **0.0804** | **0.0804** | **0.0804** | **0.0804** | **0.0804** | **0.0804** | **0.0804** | **0.0804** | **0.0804** |
| | 0.079 | 0.078 | 0.080 | 0.077 | 0.079 | 0.077 | 0.080 | 0.078 | 0.080 | 0.077 |
| | 0.080 | 0.078 | 0.080 | 0.077 | 0.079 | 0.078 | 0.080 | 0.078 | 0.080 | 0.077 |
| | 0.080 | 0.078 | 0.080 | 0.078 | 0.080 | 0.078 | 0.080 | 0.079 | 0.081 | 0.077 |
| | 0.080 | 0.078 | 0.080 | 0.077 | 0.080 | 0.078 | 0.080 | 0.079 | 0.081 | 0.078 |
| | 0.080 | 0.079 | 0.080 | 0.077 | 0.080 | 0.078 | 0.081 | 0.079 | 0.081 | 0.078 |
| | 0.080 | 0.079 | 0.080 | 0.078 | 0.080 | 0.078 | 0.080 | 0.079 | 0.081 | 0.078 |
| | 0.080 | 0.079 | 0.080 | 0.078 | 0.080 | 0.078 | 0.081 | 0.079 | 0.081 | 0.078 |
| | 0.080 | 0.079 | 0.080 | 0.077 | 0.080 | 0.078 | 0.080 | 0.079 | 0.081 | 0.078 |
| | 0.080 | 0.079 | 0.080 | 0.077 | 0.080 | 0.078 | 0.080 | 0.079 | 0.081 | 0.078 |
| | 0.080 | 0.078 | 0.080 | 0.077 | 0.080 | 0.078 | 0.080 | 0.079 | 0.081 | 0.078 |
| Mean: | 0.0799 | 0.0785 | 0.0800 | 0.0773 | 0.0798 | 0.0779 | 0.0802 | 0.0788 | 0.0808 | 0.0777 |
| SD: | 0.0003 | 0.0005 | 0.0000 | 0.0005 | 0.0004 | 0.0003 | 0.0004 | 0.0004 | 0.0004 | 0.0005 |
| Bias %: | -0.62 | -2.36 | -0.50 | -3.86 | -0.75 | -3.11 | -0.25 | -1.99 | 0.50 | -3.36 |
| CV %: | 0.38 | 0.64 | 0.00 | 0.65 | 0.50 | 0.39 | 0.50 | 0.51 | 0.50 | 0.64 |
| Calculated Mean-Ref. Value Difference: | -0.0005 | -0.0019 | -0.0004 | -0.0031 | -0.0006 | -0.0025 | -0.0002 | -0.0016 | 0.0004 | -0.0027 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00006

SOLUTION TARGET CONCENTRATION: 0.1522

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| **Reference Value:** | **0.1522** | **0.1522** | **0.1522** | **0.1522** | **0.1522** | **0.1522** | **0.1522** | **0.1522** | **0.1522** | **0.1522** |
| | 0.146 | 0.143 | 0.150 | 0.146 | 0.151 | 0.149 | 0.150 | 0.148 | 0.153 | 0.148 |
| | 0.149 | 0.147 | 0.152 | 0.147 | 0.152 | 0.150 | 0.151 | 0.149 | 0.155 | 0.149 |
| | 0.150 | 0.148 | 0.152 | 0.148 | 0.152 | 0.150 | 0.152 | 0.149 | 0.154 | 0.149 |
| | 0.150 | 0.148 | 0.153 | 0.149 | 0.152 | 0.150 | 0.152 | 0.149 | 0.154 | 0.149 |
| | 0.151 | 0.149 | 0.153 | 0.149 | 0.152 | 0.150 | 0.152 | 0.149 | 0.154 | 0.149 |
| | 0.151 | 0.149 | 0.153 | 0.149 | 0.152 | 0.151 | 0.152 | 0.150 | 0.154 | 0.149 |
| | 0.152 | 0.149 | 0.153 | 0.149 | 0.152 | 0.150 | 0.153 | 0.150 | 0.154 | 0.149 |
| | 0.152 | 0.150 | 0.153 | 0.150 | 0.152 | 0.150 | 0.153 | 0.151 | 0.155 | 0.150 |
| | 0.152 | 0.150 | 0.153 | 0.150 | 0.152 | 0.150 | 0.153 | 0.151 | 0.154 | 0.150 |
| | 0.152 | 0.150 | 0.153 | 0.150 | 0.152 | 0.150 | 0.154 | 0.151 | 0.154 | 0.149 |
| Mean: | 0.1505 | 0.1483 | 0.1525 | 0.1487 | 0.1519 | 0.1500 | 0.1522 | 0.1497 | 0.1541 | 0.1491 |
| SD: | 0.0019 | 0.0021 | 0.0010 | 0.0013 | 0.0003 | 0.0005 | 0.0011 | 0.0011 | 0.0006 | 0.0006 |
| Bias %: | -1.12 | -2.56 | 0.20 | -2.30 | -0.20 | -1.45 | 0.00 | -1.64 | 1.25 | -2.04 |
| CV %: | 1.26 | 1.42 | 0.66 | 0.87 | 0.20 | 0.33 | 0.72 | 0.73 | 0.39 | 0.40 |
| Calculated Mean-Ref. Value Difference: | -0.0017 | -0.0039 | 0.0003 | -0.0035 | -0.0003 | -0.0022 | 0.0000 | -0.0025 | 0.0019 | -0.0031 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00007

SOLUTION TARGET CONCENTRATION: 0.2024

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| **Reference Value:** | **0.2024** | **0.2024** | **0.2024** | **0.2024** | **0.2024** | **0.2024** | **0.2024** | **0.2024** | **0.2024** | **0.2024** |
| | 0.203 | 0.202 | 0.204 | 0.202 | 0.200 | 0.199 | 0.202 | 0.200 | 0.203 | 0.198 |
| | 0.203 | 0.202 | 0.206 | 0.202 | 0.200 | 0.199 | 0.203 | 0.201 | 0.205 | 0.199 |
| | 0.203 | 0.202 | 0.205 | 0.202 | 0.201 | 0.199 | 0.204 | 0.201 | 0.205 | 0.199 |
| | 0.203 | 0.201 | 0.204 | 0.202 | 0.202 | 0.199 | 0.204 | 0.202 | 0.204 | 0.199 |
| | 0.203 | 0.201 | 0.205 | 0.202 | 0.202 | 0.199 | 0.205 | 0.202 | 0.205 | 0.199 |
| | 0.202 | 0.200 | 0.204 | 0.202 | 0.202 | 0.199 | 0.204 | 0.202 | 0.205 | 0.199 |
| | 0.202 | 0.200 | 0.205 | 0.202 | 0.202 | 0.199 | 0.204 | 0.203 | 0.205 | 0.199 |
| | 0.202 | 0.200 | 0.205 | 0.201 | 0.202 | 0.199 | 0.204 | 0.203 | 0.205 | 0.199 |
| | 0.202 | 0.200 | 0.204 | 0.201 | 0.202 | 0.199 | 0.205 | 0.202 | 0.206 | 0.199 |
| | 0.203 | 0.200 | 0.205 | 0.201 | 0.202 | 0.199 | 0.205 | 0.202 | 0.206 | 0.199 |
| Mean: | 0.2026 | 0.2008 | 0.2047 | 0.2017 | 0.2015 | 0.1990 | 0.2040 | 0.2018 | 0.2049 | 0.1989 |
| SD: | 0.0005 | 0.0009 | 0.0007 | 0.0005 | 0.0008 | 0.0000 | 0.0009 | 0.0009 | 0.0009 | 0.0003 |
| Bias %: | 0.10 | -0.79 | 1.14 | -0.35 | -0.44 | -1.68 | 0.79 | -0.30 | 1.24 | -1.73 |
| CV %: | 0.25 | 0.45 | 0.34 | 0.25 | 0.40 | 0.00 | 0.44 | 0.45 | 0.44 | 0.15 |
| Calculated Mean-Ref. Value Difference: | 0.0002 | -0.0016 | 0.0023 | -0.0007 | -0.0009 | -0.0034 | 0.0016 | -0.0006 | 0.0025 | -0.0035 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00008

SOLUTION TARGET CONCENTRATION: 0.3044

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| **Reference Value:** | **0.3044** | **0.3044** | **0.3044** | **0.3044** | **0.3044** | **0.3044** | **0.3044** | **0.3044** | **0.3044** | **0.3044** |
| | 0.303 | 0.299 | 0.302 | 0.298 | 0.304 | 0.300 | 0.309 | 0.307 | 0.317 | 0.309 |
| | 0.304 | 0.300 | 0.304 | 0.299 | 0.305 | 0.301 | 0.309 | 0.306 | 0.316 | 0.308 |
| | 0.304 | 0.301 | 0.304 | 0.300 | 0.305 | 0.301 | 0.308 | 0.305 | 0.316 | 0.306 |
| | 0.305 | 0.300 | 0.304 | 0.300 | 0.305 | 0.300 | 0.308 | 0.304 | 0.315 | 0.305 |
| | 0.305 | 0.300 | 0.305 | 0.300 | 0.305 | 0.299 | 0.308 | 0.303 | 0.316 | 0.305 |
| | 0.305 | 0.301 | 0.305 | 0.300 | 0.304 | 0.298 | 0.307 | 0.303 | 0.316 | 0.304 |
| | 0.305 | 0.300 | 0.305 | 0.299 | 0.304 | 0.298 | 0.308 | 0.301 | 0.315 | 0.304 |
| | 0.305 | 0.300 | 0.305 | 0.299 | 0.304 | 0.297 | 0.308 | 0.301 | 0.314 | 0.302 |
| | 0.305 | 0.300 | 0.305 | 0.299 | 0.303 | 0.295 | 0.307 | 0.300 | 0.313 | 0.301 |
| | 0.305 | 0.300 | 0.305 | 0.297 | 0.304 | 0.295 | 0.308 | 0.300 | 0.313 | 0.299 |
| Mean: | 0.3046 | 0.3001 | 0.3044 | 0.2991 | 0.3043 | 0.2984 | 0.3080 | 0.3030 | 0.3151 | 0.3043 |
| SD: | 0.0007 | 0.0006 | 0.0010 | 0.0010 | 0.0007 | 0.0022 | 0.0007 | 0.0025 | 0.0014 | 0.0031 |
| Bias %: | 0.07 | -1.41 | 0.00 | -1.74 | -0.03 | -1.97 | 1.18 | -0.46 | 3.52 | -0.03 |
| CV %: | 0.23 | 0.20 | 0.33 | 0.33 | 0.23 | 0.74 | 0.23 | 0.83 | 0.44 | 1.02 |
| Calculated Mean-Ref. Value Difference: | 0.0002 | -0.0043 | 0.0000 | -0.0053 | -0.0001 | -0.006 | 0.0036 | -0.0014 | 0.0107 | -0.0001 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0077

SOLUTION BATCH NUMBER: D00009

SOLUTION TARGET CONCENTRATION: 0.4026

| | DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C | I/R | E/C |
| **Reference Value:** | **0.4026** | **0.4026** | **0.4026** | **0.4026** | **0.4026** | **0.4026** | **0.4026** | **0.4026** | **0.4026** | **0.4026** |
| | 0.388 | 0.383 | 0.405 | 0.399 | 0.400 | 0.394 | 0.400 | 0.393 | 0.404 | 0.394 |
| | 0.396 | 0.389 | 0.407 | 0.400 | 0.401 | 0.394 | 0.402 | 0.395 | 0.407 | 0.395 |
| | 0.398 | 0.392 | 0.405 | 0.399 | 0.401 | 0.394 | 0.403 | 0.395 | 0.406 | 0.395 |
| | 0.401 | 0.393 | 0.404 | 0.397 | 0.402 | 0.393 | 0.403 | 0.393 | 0.406 | 0.396 |
| | 0.402 | 0.394 | 0.405 | 0.397 | 0.402 | 0.393 | 0.403 | 0.393 | 0.407 | 0.396 |
| | 0.402 | 0.393 | 0.405 | 0.396 | 0.402 | 0.392 | 0.403 | 0.393 | 0.408 | 0.394 |
| | 0.402 | 0.393 | 0.405 | 0.395 | 0.403 | 0.392 | 0.405 | 0.394 | 0.407 | 0.393 |
| | 0.402 | 0.393 | 0.405 | 0.394 | 0.403 | 0.391 | 0.405 | 0.393 | 0.408 | 0.393 |
| | 0.403 | 0.394 | 0.405 | 0.394 | 0.403 | 0.391 | 0.405 | 0.393 | 0.408 | 0.393 |
| | 0.403 | 0.393 | 0.404 | 0.393 | 0.403 | 0.390 | 0.406 | 0.393 | 0.407 | 0.391 |
| Mean: | 0.3997 | 0.3917 | 0.4050 | 0.3964 | 0.4020 | 0.3924 | 0.4035 | 0.3935 | 0.4068 | 0.3940 |
| SD: | 0.0047 | 0.0034 | 0.0008 | 0.0024 | 0.0011 | 0.0014 | 0.0018 | 0.0008 | 0.0012 | 0.0016 |
| Bias %: | -0.72 | -2.71 | 0.60 | -1.54 | -0.15 | -2.53 | 0.22 | -2.26 | 1.04 | -2.14 |
| CV %: | 1.18 | 0.87 | 0.20 | 0.61 | 0.27 | 0.36 | 0.45 | 0.20 | 0.29 | 0.41 |
| Calculated Mean-Ref. Value Difference: | -0.0029 | -0.0109 | 0.0024 | -0.0062 | -0.0006 | -0.0102 | 0.0009 | -0.0091 | 0.0042 | -0.0086 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.