DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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** |
| | 0.009 | 0.009 | 0.008 | 0.009 | 0.009 | 0.009 | 0.010 | 0.009 | 0.008 | 0.008 |
| | 0.009 | 0.009 | 0.009 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 | 0.008 |
| | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 | 0.008 |
| | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 | 0.008 |
| | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 |
| | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 |
| | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 |
| | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 |
| | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 |
| | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 |
| Mean: | 0.0090 | 0.0090 | 0.0089 | 0.0089 | 0.0090 | 0.0090 | 0.0091 | 0.0090 | 0.0086 | 0.0082 |
| SD: | 0.0000 | 0.0000 | 0.0003 | 0.0003 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0005 | 0.0004 |
| Bias %: | 0.00 | 0.00 | -1.11 | -1.11 | 0.00 | 0.00 | 1.11 | 0.00 | -4.44 | -8.89 |
| CV %: | 0.00 | 0.00 | 3.37 | 3.37 | 0.00 | 0.00 | 3.30 | 0.00 | 5.81 | 4.88 |
| Calculated Mean-Ref. Value Difference: | 0.0000 | 0 | -0.0001 | -0.0001 | 0.0000 | 0 | 0.0001 | 0 | -0.0004 | -0.0008 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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** |
| | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.013 | 0.012 | 0.011 |
| | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.013 | 0.014 | 0.014 | 0.013 | 0.012 |
| | 0.014 | 0.013 | 0.014 | 0.013 | 0.014 | 0.013 | 0.014 | 0.014 | 0.013 | 0.012 |
| | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.013 | 0.014 | 0.014 | 0.013 | 0.012 |
| | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.013 | 0.014 | 0.014 | 0.013 | 0.013 |
| | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.013 | 0.014 | 0.014 | 0.013 | 0.013 |
| | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.013 | 0.014 | 0.014 | 0.013 | 0.013 |
| | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.013 | 0.014 | 0.014 | 0.014 | 0.013 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.014 | 0.014 | 0.013 |
| | 0.014 | 0.014 | 0.014 | 0.014 | 0.014 | 0.013 | 0.014 | 0.014 | 0.014 | 0.013 |
| Mean: | 0.0139 | 0.0138 | 0.0139 | 0.0132 | 0.0139 | 0.0130 | 0.0139 | 0.0139 | 0.0132 | 0.0125 |
| SD: | 0.0003 | 0.0004 | 0.0003 | 0.0004 | 0.0003 | 0.0000 | 0.0003 | 0.0003 | 0.0006 | 0.0007 |
| Bias %: | -5.44 | -6.12 | -5.44 | -10.20 | -5.44 | -11.56 | -5.44 | -5.44 | -10.20 | -14.97 |
| CV %: | 2.16 | 2.90 | 2.16 | 3.03 | 2.16 | 0.00 | 2.16 | 2.16 | 4.55 | 5.60 |
| Calculated Mean-Ref. Value Difference: | -0.0008 | -0.0009 | -0.0008 | -0.0015 | -0.0008 | -0.0017 | -0.0008 | -0.0008 | -0.0015 | -0.0022 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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 | 0.018 | 0.019 | 0.018 | 0.019 | 0.018 | 0.019 | 0.019 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.018 | 0.020 | 0.019 | 0.020 | 0.019 |
| | 0.019 | 0.019 | 0.020 | 0.019 | 0.020 | 0.018 | 0.020 | 0.019 | 0.020 | 0.019 |
| | 0.019 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.021 | 0.019 | 0.020 | 0.019 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 |
| | 0.019 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 |
| | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 | 0.020 | 0.019 |
| Mean: | 0.0196 | 0.0190 | 0.0199 | 0.0189 | 0.0199 | 0.0187 | 0.0200 | 0.0189 | 0.0199 | 0.0190 |
| SD: | 0.0005 | 0.0000 | 0.0003 | 0.0003 | 0.0003 | 0.0005 | 0.0005 | 0.0003 | 0.0003 | 0.0000 |
| Bias %: | -3.92 | -6.86 | -2.45 | -7.35 | -2.45 | -8.33 | -1.96 | -7.35 | -2.45 | -6.86 |
| CV %: | 2.55 | 0.00 | 1.51 | 1.59 | 1.51 | 2.67 | 2.50 | 1.59 | 1.51 | 0.00 |
| Calculated Mean-Ref. Value Difference: | -0.0008 | -0.0014 | -0.0005 | -0.0015 | -0.0005 | -0.0017 | -0.0004 | -0.0015 | -0.0005 | -0.0014 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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 | 0.037 | 0.040 | 0.038 | 0.038 | 0.036 | 0.038 | 0.037 | 0.039 | 0.037 |
| | 0.039 | 0.038 | 0.040 | 0.039 | 0.039 | 0.037 | 0.040 | 0.038 | 0.039 | 0.037 |
| | 0.039 | 0.038 | 0.040 | 0.039 | 0.040 | 0.038 | 0.040 | 0.039 | 0.039 | 0.037 |
| | 0.039 | 0.038 | 0.040 | 0.039 | 0.040 | 0.038 | 0.040 | 0.038 | 0.039 | 0.038 |
| | 0.039 | 0.038 | 0.040 | 0.039 | 0.039 | 0.038 | 0.040 | 0.039 | 0.039 | 0.038 |
| | 0.039 | 0.038 | 0.041 | 0.039 | 0.040 | 0.038 | 0.040 | 0.039 | 0.039 | 0.038 |
| | 0.039 | 0.038 | 0.041 | 0.039 | 0.040 | 0.038 | 0.040 | 0.039 | 0.039 | 0.038 |
| | 0.039 | 0.038 | 0.040 | 0.039 | 0.040 | 0.038 | 0.040 | 0.039 | 0.039 | 0.038 |
| | 0.039 | 0.038 | 0.040 | 0.038 | 0.040 | 0.038 | 0.040 | 0.039 | 0.039 | 0.038 |
| | 0.040 | 0.038 | 0.040 | 0.038 | 0.040 | 0.038 | 0.040 | 0.039 | 0.039 | 0.038 |
| Mean: | 0.0391 | 0.0379 | 0.0402 | 0.0387 | 0.0396 | 0.0377 | 0.0398 | 0.0386 | 0.0390 | 0.0377 |
| SD: | 0.0003 | 0.0003 | 0.0004 | 0.0005 | 0.0007 | 0.0007 | 0.0006 | 0.0007 | 0.0000 | 0.0005 |
| Bias %: | -4.17 | -7.11 | -1.47 | -5.15 | -2.94 | -7.60 | -2.45 | -5.39 | -4.41 | -7.60 |
| CV %: | 0.77 | 0.79 | 1.00 | 1.29 | 1.77 | 1.86 | 1.51 | 1.81 | 0.00 | 1.33 |
| Calculated Mean-Ref. Value Difference: | -0.0017 | -0.0029 | -0.0006 | -0.0021 | -0.0012 | -0.0031 | -0.0010 | -0.0022 | -0.0018 | -0.0031 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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 | 0.076 | 0.078 | 0.075 | 0.080 | 0.077 | 0.079 | 0.075 | 0.079 | 0.077 |
| | 0.079 | 0.077 | 0.078 | 0.076 | 0.081 | 0.077 | 0.080 | 0.076 | 0.079 | 0.077 |
| | 0.080 | 0.077 | 0.079 | 0.076 | 0.080 | 0.077 | 0.080 | 0.076 | 0.080 | 0.077 |
| | 0.080 | 0.077 | 0.080 | 0.076 | 0.081 | 0.077 | 0.080 | 0.076 | 0.080 | 0.076 |
| | 0.079 | 0.077 | 0.080 | 0.076 | 0.081 | 0.078 | 0.079 | 0.077 | 0.079 | 0.077 |
| | 0.080 | 0.077 | 0.080 | 0.077 | 0.080 | 0.078 | 0.079 | 0.077 | 0.080 | 0.077 |
| | 0.080 | 0.078 | 0.080 | 0.077 | 0.081 | 0.078 | 0.080 | 0.077 | 0.080 | 0.078 |
| | 0.080 | 0.078 | 0.080 | 0.077 | 0.080 | 0.077 | 0.080 | 0.077 | 0.080 | 0.077 |
| | 0.080 | 0.078 | 0.080 | 0.077 | 0.080 | 0.077 | 0.081 | 0.077 | 0.080 | 0.077 |
| | 0.080 | 0.078 | 0.080 | 0.077 | 0.080 | 0.077 | 0.081 | 0.077 | 0.079 | 0.077 |
| Mean: | 0.0797 | 0.0773 | 0.0795 | 0.0764 | 0.0804 | 0.0773 | 0.0799 | 0.0765 | 0.0796 | 0.0770 |
| SD: | 0.0005 | 0.0007 | 0.0008 | 0.0007 | 0.0005 | 0.0005 | 0.0007 | 0.0007 | 0.0005 | 0.0005 |
| Bias %: | -0.87 | -3.86 | -1.12 | -4.98 | 0.00 | -3.86 | -0.62 | -4.85 | -1.00 | -4.23 |
| CV %: | 0.63 | 0.91 | 1.01 | 0.92 | 0.62 | 0.65 | 0.88 | 0.92 | 0.63 | 0.65 |
| Calculated Mean-Ref. Value Difference: | -0.0007 | -0.0031 | -0.0009 | -0.004 | 0.0000 | -0.0031 | -0.0005 | -0.0039 | -0.0008 | -0.0034 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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** |
| | 0.153 | 0.149 | 0.151 | 0.146 | 0.152 | 0.149 | 0.150 | 0.144 | 0.150 | 0.147 |
| | 0.152 | 0.149 | 0.153 | 0.147 | 0.153 | 0.149 | 0.153 | 0.147 | 0.150 | 0.147 |
| | 0.153 | 0.150 | 0.152 | 0.147 | 0.154 | 0.150 | 0.153 | 0.147 | 0.150 | 0.147 |
| | 0.153 | 0.149 | 0.152 | 0.147 | 0.153 | 0.150 | 0.153 | 0.148 | 0.150 | 0.147 |
| | 0.153 | 0.150 | 0.152 | 0.147 | 0.154 | 0.150 | 0.153 | 0.147 | 0.150 | 0.147 |
| | 0.153 | 0.150 | 0.153 | 0.148 | 0.153 | 0.150 | 0.152 | 0.147 | 0.150 | 0.146 |
| | 0.153 | 0.151 | 0.153 | 0.148 | 0.153 | 0.149 | 0.152 | 0.147 | 0.150 | 0.146 |
| | 0.153 | 0.151 | 0.153 | 0.148 | 0.152 | 0.147 | 0.153 | 0.147 | 0.150 | 0.146 |
| | 0.153 | 0.151 | 0.153 | 0.149 | 0.151 | 0.147 | 0.153 | 0.148 | 0.150 | 0.145 |
| | 0.152 | 0.151 | 0.153 | 0.149 | 0.153 | 0.148 | 0.154 | 0.149 | 0.149 | 0.145 |
| Mean: | 0.1528 | 0.1501 | 0.1525 | 0.1476 | 0.1528 | 0.1489 | 0.1526 | 0.1471 | 0.1499 | 0.1463 |
| SD: | 0.0004 | 0.0009 | 0.0007 | 0.0010 | 0.0009 | 0.0012 | 0.0011 | 0.0013 | 0.0003 | 0.0008 |
| Bias %: | 0.39 | -1.38 | 0.20 | -3.02 | 0.39 | -2.17 | 0.26 | -3.35 | -1.51 | -3.88 |
| CV %: | 0.26 | 0.60 | 0.46 | 0.68 | 0.59 | 0.81 | 0.72 | 0.88 | 0.20 | 0.55 |
| Calculated Mean-Ref. Value Difference: | 0.0006 | -0.0021 | 0.0003 | -0.0046 | 0.0006 | -0.0033 | 0.0004 | -0.0051 | -0.0023 | -0.0059 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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** |
| | 0.205 | 0.202 | 0.202 | 0.198 | 0.200 | 0.195 | 0.199 | 0.194 | 0.196 | 0.191 |
| | 0.204 | 0.202 | 0.203 | 0.198 | 0.200 | 0.195 | 0.201 | 0.195 | 0.197 | 0.193 |
| | 0.204 | 0.201 | 0.203 | 0.198 | 0.200 | 0.195 | 0.203 | 0.197 | 0.200 | 0.194 |
| | 0.204 | 0.201 | 0.202 | 0.197 | 0.201 | 0.196 | 0.203 | 0.198 | 0.199 | 0.194 |
| | 0.204 | 0.201 | 0.203 | 0.198 | 0.202 | 0.196 | 0.203 | 0.198 | 0.199 | 0.194 |
| | 0.204 | 0.200 | 0.203 | 0.198 | 0.202 | 0.197 | 0.202 | 0.198 | 0.199 | 0.194 |
| | 0.204 | 0.201 | 0.204 | 0.198 | 0.202 | 0.197 | 0.203 | 0.198 | 0.200 | 0.194 |
| | 0.204 | 0.201 | 0.204 | 0.199 | 0.202 | 0.197 | 0.203 | 0.198 | 0.200 | 0.194 |
| | 0.204 | 0.201 | 0.204 | 0.198 | 0.203 | 0.197 | 0.204 | 0.199 | 0.201 | 0.195 |
| | 0.203 | 0.199 | 0.202 | 0.197 | 0.202 | 0.197 | 0.204 | 0.198 | 0.201 | 0.194 |
| Mean: | 0.2040 | 0.2009 | 0.2030 | 0.1979 | 0.2014 | 0.1962 | 0.2025 | 0.1973 | 0.1992 | 0.1937 |
| SD: | 0.0005 | 0.0009 | 0.0008 | 0.0006 | 0.0011 | 0.0009 | 0.0015 | 0.0016 | 0.0016 | 0.0011 |
| Bias %: | 0.79 | -0.74 | 0.30 | -2.22 | -0.49 | -3.06 | 0.05 | -2.52 | -1.58 | -4.30 |
| CV %: | 0.25 | 0.45 | 0.39 | 0.30 | 0.55 | 0.46 | 0.74 | 0.81 | 0.80 | 0.57 |
| Calculated Mean-Ref. Value Difference: | 0.0016 | -0.0015 | 0.0006 | -0.0045 | -0.0010 | -0.0062 | 0.0001 | -0.0051 | -0.0032 | -0.0087 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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** |
| | 0.307 | 0.298 | 0.303 | 0.294 | 0.293 | 0.283 | 0.301 | 0.294 | 0.297 | 0.288 |
| | 0.308 | 0.300 | 0.305 | 0.297 | 0.301 | 0.292 | 0.306 | 0.299 | 0.298 | 0.288 |
| | 0.307 | 0.298 | 0.304 | 0.296 | 0.304 | 0.294 | 0.308 | 0.299 | 0.297 | 0.287 |
| | 0.308 | 0.299 | 0.303 | 0.294 | 0.305 | 0.294 | 0.306 | 0.296 | 0.298 | 0.286 |
| | 0.308 | 0.298 | 0.304 | 0.296 | 0.306 | 0.295 | 0.305 | 0.296 | 0.299 | 0.286 |
| | 0.308 | 0.299 | 0.305 | 0.295 | 0.306 | 0.295 | 0.305 | 0.296 | 0.298 | 0.286 |
| | 0.307 | 0.297 | 0.306 | 0.296 | 0.304 | 0.293 | 0.307 | 0.296 | 0.299 | 0.286 |
| | 0.304 | 0.295 | 0.304 | 0.295 | 0.304 | 0.293 | 0.307 | 0.296 | 0.299 | 0.285 |
| | 0.306 | 0.296 | 0.304 | 0.294 | 0.306 | 0.294 | 0.307 | 0.296 | 0.300 | 0.285 |
| | 0.306 | 0.295 | 0.303 | 0.293 | 0.306 | 0.294 | 0.307 | 0.296 | 0.300 | 0.286 |
| Mean: | 0.3069 | 0.2975 | 0.3041 | 0.2950 | 0.3035 | 0.2927 | 0.3059 | 0.2964 | 0.2985 | 0.2863 |
| SD: | 0.0013 | 0.0017 | 0.0010 | 0.0012 | 0.0040 | 0.0035 | 0.0020 | 0.0015 | 0.0011 | 0.0011 |
| Bias %: | 0.82 | -2.27 | -0.10 | -3.09 | -0.30 | -3.84 | 0.49 | -2.63 | -1.94 | -5.95 |
| CV %: | 0.42 | 0.57 | 0.33 | 0.41 | 1.32 | 1.20 | 0.65 | 0.51 | 0.37 | 0.38 |
| Calculated Mean-Ref. Value Difference: | 0.0025 | -0.0069 | -0.0003 | -0.0094 | -0.0009 | -0.0117 | 0.0015 | -0.008 | -0.0059 | -0.0181 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.

DRAEGER ALCOTEST 9510 VALIDATION TESTING

INSTRUMENT SERIAL NUMBER: ARAH-0103

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** |
| | 0.405 | 0.392 | 0.395 | 0.385 | 0.374 | 0.360 | 0.394 | 0.382 | 0.399 | 0.385 |
| | 0.407 | 0.394 | 0.399 | 0.388 | 0.390 | 0.375 | 0.403 | 0.391 | 0.401 | 0.387 |
| | 0.407 | 0.394 | 0.400 | 0.388 | 0.397 | 0.380 | 0.406 | 0.393 | 0.400 | 0.385 |
| | 0.407 | 0.394 | 0.400 | 0.388 | 0.399 | 0.383 | 0.405 | 0.392 | 0.399 | 0.383 |
| | 0.407 | 0.393 | 0.400 | 0.386 | 0.401 | 0.384 | 0.402 | 0.387 | 0.400 | 0.383 |
| | 0.404 | 0.391 | 0.397 | 0.384 | 0.401 | 0.384 | 0.403 | 0.388 | 0.399 | 0.381 |
| | 0.404 | 0.389 | 0.399 | 0.385 | 0.401 | 0.385 | 0.405 | 0.389 | 0.400 | 0.381 |
| | 0.404 | 0.389 | 0.401 | 0.386 | 0.400 | 0.383 | 0.405 | 0.389 | 0.399 | 0.379 |
| | 0.405 | 0.390 | 0.401 | 0.386 | 0.401 | 0.383 | 0.405 | 0.388 | 0.399 | 0.379 |
| | 0.406 | 0.391 | 0.402 | 0.387 | 0.402 | 0.384 | 0.404 | 0.386 | 0.398 | 0.377 |
| Mean: | 0.4056 | 0.3917 | 0.3994 | 0.3863 | 0.3966 | 0.3801 | 0.4032 | 0.3885 | 0.3994 | 0.3820 |
| SD: | 0.0013 | 0.0020 | 0.0021 | 0.0014 | 0.0087 | 0.0076 | 0.0035 | 0.0032 | 0.0008 | 0.0032 |
| Bias %: | 0.75 | -2.71 | -0.79 | -4.05 | -1.49 | -5.59 | 0.15 | -3.50 | -0.79 | -5.12 |
| CV %: | 0.32 | 0.51 | 0.53 | 0.36 | 2.19 | 2.00 | 0.87 | 0.82 | 0.20 | 0.84 |
| Calculated Mean-Ref. Value Difference: | 0.0030 | -0.0109 | -0.0032 | -0.0163 | -0.0060 | -0.0225 | 0.0006 | -0.0141 | -0.0032 | -0.0206 |

TESTING COMPLETED OVER 5 DAYS SEPARATE DAYS.