

Free Ammonia

Total Ammonia Reading

| pH | .25 ppm | .5 ppm | 1 ppm |
|------|-------------|-------------|-------------|
| 5 | 1.42163E-05 | 2.84325E-05 | 5.68651E-05 |
| 5.25 | 2.52794E-05 | 5.05588E-05 | 0.000101118 |
| 5.5 | 4.49503E-05 | 8.99005E-05 | 0.000179801 |
| 5.75 | 7.9923E-05 | 0.000159846 | 0.000319692 |
| 6 | 0.00014209 | 0.00028418 | 0.00056836 |
| 6.25 | 0.000252564 | 0.000505128 | 0.001010256 |
| 6.5 | 0.000448777 | 0.000897553 | 0.001795106 |
| 6.75 | 0.000796937 | 0.001593873 | 0.003187747 |
| 7 | 0.001413669 | 0.002827338 | 0.005654675 |
| 7.25 | 0.002502883 | 0.005005766 | 0.010011532 |
| 7.5 | 0.004416414 | 0.008832828 | 0.017665655 |
| 7.75 | 0.007747104 | 0.015494208 | 0.030988417 |
| 8 | 0.013452083 | 0.026904167 | 0.053808333 |
| 8.25 | 0.022960044 | 0.045920088 | 0.091840176 |
| 8.5 | 0.038105682 | 0.076211363 | 0.152422726 |
| 8.75 | 0.060576511 | 0.121153022 | 0.242306043 |
| 9 | 0.090630667 | 0.181261334 | 0.362522669 |

Free Ammonia with 30% error allowance

| pH | Total Ammonia Reading | | |
|------|-----------------------|-------------|-------------|
| | .25 ppm | .5 ppm | 1 ppm |
| 5 | 1.84812E-05 | 3.69623E-05 | 7.39246E-05 |
| 5.25 | 3.28632E-05 | 6.57264E-05 | 0.000131453 |
| 5.5 | 5.84354E-05 | 0.000116871 | 0.000233741 |
| 5.75 | 0.0001039 | 0.0002078 | 0.000415599 |
| 6 | 0.000184717 | 0.000369434 | 0.000738868 |
| 6.25 | 0.000328333 | 0.000656666 | 0.001313333 |
| 6.5 | 0.000583409 | 0.001166819 | 0.002333638 |
| 6.75 | 0.001036018 | 0.002072035 | 0.004144071 |
| 7 | 0.001837769 | 0.003675539 | 0.007351078 |
| 7.25 | 0.003253748 | 0.006507496 | 0.013014992 |
| 7.5 | 0.005741338 | 0.011482676 | 0.022965352 |
| 7.75 | 0.010071236 | 0.020142471 | 0.040284942 |
| 8 | 0.017487708 | 0.034975417 | 0.069950833 |
| 8.25 | 0.029848057 | 0.059696114 | 0.119392229 |
| 8.5 | 0.049537386 | 0.099074772 | 0.198149544 |
| 8.75 | 0.078749464 | 0.157498928 | 0.314997856 |
| 9 | 0.117819867 | 0.235639735 | 0.471279469 |

****NOTE**** These readings assume a tank temperature of 25 degrees Celsius.