

**Plain Tap Water, Topfin Ceramic Airstone**

| Time<br>minutes | Temperature<br>°C | Conductivity<br>microsiemens | pH<br>Units | DO<br>ppm | DO<br>% Saturation |
|-----------------|-------------------|------------------------------|-------------|-----------|--------------------|
| 0               | 18.0              | 376                          | 7.52        | 9.43      | 99.8               |
| 10              | 18.0              | 377                          | 7.97        | 9.41      | 99.6               |
| 20              | 18.0              | 377                          | 7.98        | 9.39      | 99.5               |
| 30              | 18.0              | 377                          | 7.98        | 9.37      | 98.9               |
| 60              | 18.0              | 377                          | 8.02        | 9.34      | 98.9               |

**Dilute Lucas Formula (0-4-8), Topfin Ceramic Airstone**

| Time<br>minutes | Temperature<br>°C | Conductivity<br>microsiemens | pH<br>Units | DO<br>ppm | DO<br>% Saturation |
|-----------------|-------------------|------------------------------|-------------|-----------|--------------------|
| 0               | 18.1              | 1106                         | 5.66        | 9.27      | 98.1               |
| 10              | 18.1              | 1104                         | 5.74        | 9.30      | 98.5               |
| 20              | 18.1              | 1099                         | 5.84        | 9.36      | 99.3               |
| 30              | 18.1              | 1099                         | 5.90        | 9.35      | 99.1               |
| 60              | 18.2              | 1100                         | 5.92        | 9.31      | 99.3               |

**Full Strength Lucas Formula (0-8-16), Topfin Ceramic Airstone**

| Time<br>minutes | Temperature<br>°C | Conductivity<br>microsiemens | pH<br>Units | DO<br>ppm | DO<br>% Saturation |
|-----------------|-------------------|------------------------------|-------------|-----------|--------------------|
| 0               | 18.2              | 1772                         | 5.62        | 9.29      | 99.3               |
| 10              | 18.2              | 1773                         | 5.63        | 9.25      | 99.1               |
| 20              | 18.2              | 1774                         | 5.63        | 9.22      | 98.8               |
| 30              | 18.3              | 1775                         | 5.63        | 9.25      | 99.1               |
| 60              | 18.3              | 1773                         | 5.63        | 9.26      | 99.4               |

**Full Strength Lucas Formula (0-8-16), Bare Tube**

| Time<br>minutes | Temperature<br>°C | Conductivity<br>microsiemens | pH<br>Units | DO<br>ppm | DO<br>% Saturation |
|-----------------|-------------------|------------------------------|-------------|-----------|--------------------|
| 0               | 18.3              | 1775                         | 5.64        | 9.33      | 100.2              |
| 10              | 18.3              | 1774                         | 5.64        | 9.30      | 100.1              |
| 20              | 18.4              | 1770                         | 5.64        | 9.31      | 100.2              |
| 30              | 18.4              | 1769                         | 5.64        | 9.32      | 100.3              |
| 60              | 18.2              | 1770                         | 5.64        | 9.33      | 100.4              |

**Full Strength Lucas Formula (0-8-16), Hydrofarm Flexible Diffuser**

| Time<br>minutes | Temperature<br>°C | Conductivity<br>microsiemens | pH<br>Units | DO<br>ppm | DO<br>% Saturation |
|-----------------|-------------------|------------------------------|-------------|-----------|--------------------|
| 0               | 18.0              | 1771                         | 5.64        | 9.00      | 98.0               |
| 10              | 18.0              | 1771                         | 5.64        | 8.99      | 96.9               |
| 20              | 18.0              | 1772                         | 5.64        | 8.99      | 96.8               |
| 30              | 18.1              | 1768                         | 5.64        | 8.94      | 96.6               |
| 60              | 18.1              | 1770                         | 5.64        | 8.90      | 96.2               |

**Full Strength Lucas Formula (0-8-16), Bare Tube, 27% H2O2 @ 2ml/gal**

| Time<br>minutes | Temperature<br>°C | Conductivity<br>microsiemens | pH<br>Units | DO<br>ppm | DO<br>% Saturation |
|-----------------|-------------------|------------------------------|-------------|-----------|--------------------|
| 0               | 18.1              | 1771                         | 5.69        | 11.4      | 118.2              |
| 10              | 18.1              | 1770                         | 5.69        | 11.26     | 122.1              |
| 20              | 18.1              | 1771                         | 5.69        | 11.21     | 121.4              |
| 30              | 18.0              | 1768                         | 5.69        | 11.18     | 120.9              |
| 60              | 18.0              | 1762                         | 5.7         | 11.13     | 120.2              |