

Table 1. Calculated lethality values at a range of temperature and Z-values equivalent to 121.11°C for 1 minute

| Holding temperature, °C | Z-value, °C |        |        |        |
|-------------------------|-------------|--------|--------|--------|
|                         | 6           | 8      | 10     | 12     |
| 90                      | 0.0000      | 0.0001 | 0.0008 | 0.0026 |
| 91                      | 0.0000      | 0.0002 | 0.0010 | 0.0031 |
| 92                      | 0.0000      | 0.0002 | 0.0012 | 0.0038 |
| 93                      | 0.0000      | 0.0003 | 0.0015 | 0.0045 |
| 94                      | 0.0000      | 0.0004 | 0.0019 | 0.0055 |
| 95                      | 0.0000      | 0.0005 | 0.0024 | 0.0067 |
| 96                      | 0.0001      | 0.0007 | 0.0031 | 0.0081 |
| 97                      | 0.0001      | 0.0010 | 0.0039 | 0.0098 |
| 98                      | 0.0001      | 0.0013 | 0.0049 | 0.0119 |
| 99                      | 0.0002      | 0.0017 | 0.0062 | 0.0144 |
| 100                     | 0.0003      | 0.0023 | 0.0077 | 0.0174 |
| 101                     | 0.0004      | 0.0031 | 0.0097 | 0.0211 |
| 102                     | 0.0007      | 0.0041 | 0.0123 | 0.0256 |
| 103                     | 0.0010      | 0.0054 | 0.0155 | 0.0310 |
| 104                     | 0.0014      | 0.0073 | 0.0195 | 0.0375 |
| 105                     | 0.0021      | 0.0097 | 0.0245 | 0.0454 |
| 106                     | 0.0030      | 0.0129 | 0.0308 | 0.0551 |
| 107                     | 0.0044      | 0.0172 | 0.0388 | 0.0667 |
| 108                     | 0.0065      | 0.0230 | 0.0489 | 0.0808 |
| 109                     | 0.0096      | 0.0306 | 0.0615 | 0.0979 |
| 110                     | 0.0141      | 0.0409 | 0.0774 | 0.1186 |
| 111                     | 0.0207      | 0.0545 | 0.0975 | 0.1437 |
| 112                     | 0.0303      | 0.0727 | 0.1227 | 0.1741 |
| 113                     | 0.0445      | 0.0969 | 0.1545 | 0.2109 |
| 114                     | 0.0653      | 0.1292 | 0.1945 | 0.2556 |
| 115                     | 0.0959      | 0.1723 | 0.2449 | 0.3096 |
| 116                     | 0.1407      | 0.2297 | 0.3083 | 0.3751 |
| 117                     | 0.2065      | 0.3064 | 0.3882 | 0.4545 |
| 118                     | 0.3032      | 0.4086 | 0.4887 | 0.5506 |
| 119                     | 0.4450      | 0.5448 | 0.6152 | 0.6671 |
| 120                     | 0.6531      | 0.7265 | 0.7745 | 0.8082 |
| 121                     | 0.9587      | 0.9688 | 0.9750 | 0.9791 |

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