**Section 742.APPENDIX A General**

**Section 742.TABLE B Tolerance Factor (K)**

Tolerance factors (K) for one-sided normal tolerance intervals with probability level (confidence factor) Y = 0.95 and coverage P = 95%. n = number of samples collected.

|  |  |  |  |
| --- | --- | --- | --- |
| n | K | n | K |
| 3 | 7.655 | 150 | 1.868 |
| 4 | 5.145 | 175 | 1.850 |
| 5 | 4.202 | 200 | 1.836 |
| 6 | 3.707 | 225 | 1.824 |
| 7 | 3.399 | 250 | 1.814 |
| 8 | 3.188 | 275 | 1.806 |
| 9 | 3.031 | 300 | 1.799 |
| 10 | 2.911 | 325 | 1.792 |
| 11 | 2.815 | 350 | 1.787 |
| 12 | 2.736 | 375 | 1.782 |
| 13 | 2.670 | 400 | 1.777 |
| 14 | 2.614 | 425 | 1.773 |
| 15 | 2.566 | 450 | 1.769 |
| 16 | 2.523 | 475 | 1.766 |
| 17 | 2.486 | 500 | 1.763 |
| 18 | 2.543 | 525 | 1.760 |
| 19 | 2.423 | 550 | 1.757 |
| 20 | 2.396 | 575 | 1.754 |
| 21 | 2.371 | 600 | 1.752 |
| 22 | 2.350 | 625 | 1.750 |
| 23 | 2.329 | 650 | 1.748 |
| 24 | 2.309 | 675 | 1.746 |
| 25 | 2.292 | 700 | 1.744 |
| 30 | 2.220 | 725 | 1.742 |
| 35 | 2.166 | 750 | 1.740 |
| 40 | 2.126 | 775 | 1.739 |
| 45 | 2.092 | 800 | 1.737 |
| 50 | 2.065 | 825 | 1.736 |
| 55 | 2.036 | 850 | 1.734 |
| 60 | 2.017 | 875 | 1.733 |
| 65 | 2.000 | 900 | 1.732 |
| 70 | 1.986 | 925 | 1.731 |
| 75 | 1.972 | 950 | 1.729 |
| 100 | 1.924 | 975 | 1.728 |
| 125 | 1.891 | 1000 | 1.727 |

(Source: Amended at 21 Ill. Reg. 7942, effective July 1, 1997)