

Table B-5—Continued

Table for Estimating the Lot Percent Nonconforming Using Standard Deviation Method<sup>1</sup>

| $Q_U$<br>or<br>$Q_L$ | Sample Size |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                      | 3           | 4     | 5     | 7     | 10    | 15    | 20    | 25    | 30    | 35    | 50    | 75    | 100   | 150   | 200   |
| 1.90                 | 0.00        | 0.00  | 0.00  | 0.93  | 1.75  | 2.21  | 2.40  | 2.51  | 2.57  | 2.62  | 2.70  | 2.76  | 2.79  | 2.82  | 2.83  |
| 1.91                 | 0.00        | 0.00  | 0.00  | 0.87  | 1.68  | 2.14  | 2.34  | 2.44  | 2.51  | 2.56  | 2.63  | 2.69  | 2.72  | 2.75  | 2.77  |
| 1.92                 | 0.00        | 0.00  | 0.00  | 0.81  | 1.62  | 2.08  | 2.27  | 2.38  | 2.45  | 2.49  | 2.57  | 2.63  | 2.66  | 2.69  | 2.70  |
| 1.93                 | 0.00        | 0.00  | 0.00  | 0.76  | 1.56  | 2.02  | 2.21  | 2.32  | 2.38  | 2.43  | 2.51  | 2.57  | 2.60  | 2.63  | 2.64  |
| 1.94                 | 0.00        | 0.00  | 0.00  | 0.70  | 1.50  | 1.96  | 2.15  | 2.25  | 2.32  | 2.37  | 2.45  | 2.51  | 2.54  | 2.56  | 2.58  |
| 1.95                 | 0.00        | 0.00  | 0.00  | 0.65  | 1.44  | 1.90  | 2.09  | 2.19  | 2.26  | 2.31  | 2.39  | 2.45  | 2.48  | 2.50  | 2.52  |
| 1.96                 | 0.00        | 0.00  | 0.00  | 0.60  | 1.38  | 1.84  | 2.03  | 2.14  | 2.20  | 2.25  | 2.33  | 2.39  | 2.42  | 2.44  | 2.46  |
| 1.97                 | 0.00        | 0.00  | 0.00  | 0.56  | 1.33  | 1.78  | 1.97  | 2.08  | 2.14  | 2.19  | 2.27  | 2.33  | 2.36  | 2.39  | 2.40  |
| 1.98                 | 0.00        | 0.00  | 0.00  | 0.51  | 1.27  | 1.73  | 1.92  | 2.02  | 2.09  | 2.13  | 2.21  | 2.27  | 2.30  | 2.33  | 2.34  |
| 1.99                 | 0.00        | 0.00  | 0.00  | 0.47  | 1.22  | 1.67  | 1.86  | 1.97  | 2.03  | 2.08  | 2.16  | 2.22  | 2.25  | 2.27  | 2.29  |
| 2.00                 | 0.00        | 0.00  | 0.00  | 0.43  | 1.17  | 1.62  | 1.81  | 1.91  | 1.98  | 2.03  | 2.10  | 2.16  | 2.19  | 2.22  | 2.23  |
| 2.01                 | 0.00        | 0.00  | 0.00  | 0.39  | 1.12  | 1.57  | 1.76  | 1.86  | 1.93  | 1.97  | 2.05  | 2.11  | 2.14  | 2.17  | 2.18  |
| 2.02                 | 0.00        | 0.00  | 0.00  | 0.36  | 1.07  | 1.52  | 1.71  | 1.81  | 1.87  | 1.92  | 2.00  | 2.06  | 2.09  | 2.11  | 2.13  |
| 2.03                 | 0.00        | 0.00  | 0.00  | 0.32  | 1.03  | 1.47  | 1.66  | 1.76  | 1.82  | 1.87  | 1.95  | 2.01  | 2.04  | 2.06  | 2.08  |
| 2.04                 | 0.00        | 0.00  | 0.00  | 0.29  | 0.98  | 1.42  | 1.61  | 1.71  | 1.77  | 1.82  | 1.90  | 1.96  | 1.99  | 2.01  | 2.03  |
| 2.05                 | 0.00        | 0.00  | 0.00  | 0.26  | 0.94  | 1.37  | 1.56  | 1.66  | 1.73  | 1.77  | 1.85  | 1.91  | 1.94  | 1.96  | 1.98  |
| 2.06                 | 0.00        | 0.00  | 0.00  | 0.23  | 0.90  | 1.33  | 1.51  | 1.61  | 1.68  | 1.72  | 1.80  | 1.86  | 1.89  | 1.92  | 1.93  |
| 2.07                 | 0.00        | 0.00  | 0.00  | 0.21  | 0.86  | 1.28  | 1.47  | 1.57  | 1.63  | 1.68  | 1.76  | 1.81  | 1.84  | 1.87  | 1.88  |
| 2.08                 | 0.00        | 0.00  | 0.00  | 0.18  | 0.82  | 1.24  | 1.42  | 1.52  | 1.59  | 1.63  | 1.71  | 1.77  | 1.79  | 1.82  | 1.84  |
| 2.09                 | 0.00        | 0.00  | 0.00  | 0.16  | 0.78  | 1.20  | 1.38  | 1.48  | 1.54  | 1.59  | 1.66  | 1.72  | 1.75  | 1.78  | 1.79  |
| 2.10                 | 0.00        | 0.00  | 0.00  | 0.14  | 0.74  | 1.16  | 1.34  | 1.44  | 1.50  | 1.54  | 1.62  | 1.68  | 1.71  | 1.73  | 1.75  |
| 2.11                 | 0.00        | 0.00  | 0.00  | 0.12  | 0.71  | 1.12  | 1.30  | 1.39  | 1.46  | 1.50  | 1.58  | 1.63  | 1.66  | 1.69  | 1.70  |
| 2.12                 | 0.00        | 0.00  | 0.00  | 0.10  | 0.67  | 1.08  | 1.26  | 1.35  | 1.42  | 1.46  | 1.54  | 1.59  | 1.62  | 1.65  | 1.66  |
| 2.13                 | 0.00        | 0.00  | 0.00  | 0.08  | 0.64  | 1.04  | 1.22  | 1.31  | 1.38  | 1.42  | 1.50  | 1.55  | 1.58  | 1.61  | 1.62  |
| 2.14                 | 0.00        | 0.00  | 0.00  | 0.07  | 0.61  | 1.00  | 1.18  | 1.28  | 1.34  | 1.38  | 1.46  | 1.51  | 1.54  | 1.57  | 1.58  |
| 2.15                 | 0.00        | 0.00  | 0.00  | 0.06  | 0.58  | 0.97  | 1.14  | 1.24  | 1.30  | 1.34  | 1.42  | 1.47  | 1.50  | 1.53  | 1.54  |
| 2.16                 | 0.00        | 0.00  | 0.00  | 0.05  | 0.55  | 0.93  | 1.10  | 1.20  | 1.26  | 1.30  | 1.38  | 1.43  | 1.46  | 1.49  | 1.50  |
| 2.17                 | 0.00        | 0.00  | 0.00  | 0.04  | 0.52  | 0.90  | 1.07  | 1.16  | 1.22  | 1.27  | 1.34  | 1.40  | 1.42  | 1.45  | 1.46  |
| 2.18                 | 0.00        | 0.00  | 0.00  | 0.03  | 0.49  | 0.87  | 1.03  | 1.13  | 1.19  | 1.23  | 1.30  | 1.36  | 1.39  | 1.41  | 1.42  |
| 2.19                 | 0.00        | 0.00  | 0.00  | 0.02  | 0.46  | 0.83  | 1.00  | 1.09  | 1.15  | 1.20  | 1.27  | 1.32  | 1.35  | 1.38  | 1.39  |
| 2.20                 | 0.000       | 0.000 | 0.000 | 0.015 | 0.437 | 0.803 | 0.968 | 1.061 | 1.120 | 1.061 | 1.233 | 1.287 | 1.314 | 1.340 | 1.352 |
| 2.21                 | 0.000       | 0.000 | 0.000 | 0.010 | 0.413 | 0.772 | 0.936 | 1.028 | 1.087 | 1.128 | 1.199 | 1.253 | 1.279 | 1.305 | 1.318 |
| 2.22                 | 0.000       | 0.000 | 0.000 | 0.006 | 0.389 | 0.734 | 0.905 | 0.996 | 1.054 | 1.095 | 1.166 | 1.219 | 1.245 | 1.271 | 1.284 |
| 2.23                 | 0.000       | 0.000 | 0.000 | 0.003 | 0.366 | 0.715 | 0.874 | 0.965 | 1.023 | 1.063 | 1.134 | 1.186 | 1.212 | 1.238 | 1.250 |
| 2.24                 | 0.000       | 0.000 | 0.000 | 0.002 | 0.345 | 0.687 | 0.845 | 0.935 | 0.992 | 1.032 | 1.102 | 1.154 | 1.180 | 1.205 | 1.218 |
| 2.25                 | 0.000       | 0.000 | 0.000 | 0.001 | 0.324 | 0.660 | 0.816 | 0.905 | 0.962 | 1.002 | 1.071 | 1.123 | 1.148 | 1.173 | 1.186 |
| 2.26                 | 0.000       | 0.000 | 0.000 | 0.000 | 0.304 | 0.634 | 0.789 | 0.876 | 0.933 | 0.972 | 1.041 | 1.092 | 1.117 | 1.142 | 1.155 |
| 2.27                 | 0.000       | 0.000 | 0.000 | 0.000 | 0.285 | 0.609 | 0.762 | 0.848 | 0.904 | 0.943 | 1.011 | 1.062 | 1.087 | 1.112 | 1.124 |
| 2.28                 | 0.000       | 0.000 | 0.000 | 0.000 | 0.267 | 0.585 | 0.735 | 0.821 | 0.876 | 0.915 | 0.982 | 1.033 | 1.058 | 1.082 | 1.095 |
| 2.29                 | 0.000       | 0.000 | 0.000 | 0.000 | 0.250 | 0.561 | 0.710 | 0.794 | 0.849 | 0.887 | 0.954 | 1.004 | 1.029 | 1.053 | 1.065 |

<sup>1</sup>Values tabulated are read in percent.