

## Anexo X – Tabela Distribuição Chi-Quadrado

Table III Percentage Points  $\chi^2_{\alpha, v}$  of the Chi-Squared Distribution

| $v \backslash \alpha$ | .995  | .990  | .975  | .950  | .900  | .500  | .100   | .050   | .025   | .010   | .005   |
|-----------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 1                     | .00+  | .00+  | .00+  | .00+  | .02   | .45   | 2.71   | 3.84   | 5.02   | 6.63   | 7.88   |
| 2                     | .01   | .02   | .05   | .10   | .21   | 1.39  | 4.61   | 5.99   | 7.38   | 9.21   | 10.60  |
| 3                     | .07   | .11   | .22   | .35   | .58   | 2.37  | 6.25   | 7.81   | 9.35   | 11.34  | 12.84  |
| 4                     | .21   | .30   | .48   | .71   | 1.06  | 3.36  | 7.78   | 9.49   | 11.14  | 13.28  | 14.86  |
| 5                     | .41   | .55   | .83   | 1.15  | 1.61  | 4.35  | 9.24   | 11.07  | 12.83  | 15.09  | 16.75  |
| 6                     | .68   | .87   | 1.24  | 1.64  | 2.20  | 5.35  | 10.65  | 12.59  | 14.45  | 16.81  | 18.55  |
| 7                     | .99   | 1.24  | 1.69  | 2.17  | 2.83  | 6.35  | 12.02  | 14.07  | 16.01  | 18.48  | 20.28  |
| 8                     | 1.34  | 1.65  | 2.18  | 2.73  | 3.49  | 7.34  | 13.36  | 15.51  | 17.53  | 20.09  | 21.96  |
| 9                     | 1.73  | 2.09  | 2.70  | 3.33  | 4.17  | 8.34  | 14.68  | 16.92  | 19.02  | 21.67  | 23.59  |
| 10                    | 2.16  | 2.56  | 3.25  | 3.94  | 4.87  | 9.34  | 15.99  | 18.31  | 20.48  | 23.21  | 25.19  |
| 11                    | 2.60  | 3.05  | 3.82  | 4.57  | 5.58  | 10.34 | 17.28  | 19.68  | 21.92  | 24.72  | 26.76  |
| 12                    | 3.07  | 3.57  | 4.40  | 5.23  | 6.30  | 11.34 | 18.55  | 21.03  | 23.34  | 26.22  | 28.30  |
| 13                    | 3.57  | 4.11  | 5.01  | 5.89  | 7.04  | 12.34 | 19.81  | 22.36  | 24.74  | 27.69  | 29.82  |
| 14                    | 4.07  | 4.66  | 5.63  | 6.57  | 7.79  | 13.34 | 21.06  | 23.68  | 26.12  | 29.14  | 31.32  |
| 15                    | 4.60  | 5.23  | 6.27  | 7.26  | 8.55  | 14.34 | 22.31  | 25.00  | 27.49  | 30.58  | 32.80  |
| 16                    | 5.14  | 5.81  | 6.91  | 7.96  | 9.31  | 15.34 | 23.54  | 26.30  | 28.85  | 32.00  | 34.27  |
| 17                    | 5.70  | 6.41  | 7.56  | 8.67  | 10.09 | 16.34 | 24.77  | 27.59  | 30.19  | 33.41  | 35.72  |
| 18                    | 6.26  | 7.01  | 8.23  | 9.39  | 10.87 | 17.34 | 25.99  | 28.87  | 31.53  | 34.81  | 37.16  |
| 19                    | 6.84  | 7.63  | 8.91  | 10.12 | 11.65 | 18.34 | 27.20  | 30.14  | 32.85  | 36.19  | 38.58  |
| 20                    | 7.43  | 8.26  | 9.59  | 10.85 | 12.44 | 19.34 | 28.41  | 31.41  | 34.17  | 37.57  | 40.00  |
| 21                    | 8.03  | 8.90  | 10.28 | 11.59 | 13.24 | 20.34 | 29.62  | 32.67  | 35.48  | 38.93  | 41.40  |
| 22                    | 8.64  | 9.54  | 10.98 | 12.34 | 14.04 | 21.34 | 30.81  | 33.92  | 36.78  | 40.29  | 42.80  |
| 23                    | 9.26  | 10.20 | 11.69 | 13.09 | 14.85 | 22.34 | 32.01  | 35.17  | 38.08  | 41.64  | 44.18  |
| 24                    | 9.89  | 10.86 | 12.40 | 13.85 | 15.66 | 23.34 | 33.20  | 36.42  | 39.36  | 42.98  | 45.56  |
| 25                    | 10.52 | 11.52 | 13.12 | 14.61 | 16.47 | 24.34 | 34.28  | 37.65  | 40.65  | 44.31  | 46.93  |
| 26                    | 11.16 | 12.20 | 13.84 | 15.38 | 17.29 | 25.34 | 35.56  | 38.89  | 41.92  | 45.64  | 48.29  |
| 27                    | 11.81 | 12.88 | 14.57 | 16.15 | 18.11 | 26.34 | 36.74  | 40.11  | 43.19  | 46.96  | 49.65  |
| 28                    | 12.46 | 13.57 | 15.31 | 16.93 | 18.94 | 27.34 | 37.92  | 41.34  | 44.46  | 48.28  | 50.99  |
| 29                    | 13.12 | 14.26 | 16.05 | 17.71 | 19.77 | 28.34 | 39.09  | 42.56  | 45.72  | 49.59  | 52.34  |
| 30                    | 13.79 | 14.95 | 16.79 | 18.49 | 20.60 | 29.34 | 40.26  | 43.77  | 46.98  | 50.89  | 53.67  |
| 40                    | 20.71 | 22.16 | 24.43 | 26.51 | 29.05 | 39.34 | 51.81  | 55.76  | 59.34  | 63.69  | 66.77  |
| 50                    | 27.99 | 29.71 | 32.36 | 34.76 | 37.69 | 49.33 | 63.17  | 67.50  | 71.42  | 76.15  | 79.49  |
| 60                    | 35.53 | 37.48 | 40.48 | 43.19 | 46.46 | 59.33 | 74.40  | 79.08  | 83.30  | 88.38  | 91.95  |
| 70                    | 43.28 | 45.44 | 48.76 | 51.74 | 55.33 | 69.33 | 85.53  | 90.53  | 95.02  | 100.42 | 104.22 |
| 80                    | 51.17 | 53.54 | 57.15 | 60.39 | 64.28 | 79.33 | 96.58  | 101.88 | 106.63 | 112.33 | 116.32 |
| 90                    | 59.20 | 61.75 | 65.65 | 69.13 | 73.29 | 89.33 | 107.57 | 113.14 | 118.14 | 124.12 | 128.30 |
| 100                   | 67.33 | 70.06 | 74.22 | 77.93 | 82.36 | 99.33 | 118.50 | 124.34 | 129.56 | 135.81 | 140.17 |

v = degrees of freedom.