



Tabela 2 – Distribuição Qui-Quadrado: $P(Q \leq q_{tab}) = \alpha$

ν	0,05%	0,1%	0,5%	1,0%	2,5%	5,0%	10,0%	20,0%	50,0%	80,0%	90,0%	95,0%	97,5%	99,0%	99,5%	99,9%	99,95%
1	$3,9 \times 10^{-7}$	$1,6 \times 10^{-6}$	$3,9 \times 10^{-5}$	$1,6 \times 10^{-4}$	0,0010	0,0039	0,0158	0,0642	0,4549	1,6424	2,7055	3,8415	5,0239	6,6349	7,8794	10,8276	12,1157
2	0,0010	0,0020	0,0100	0,0201	0,0506	0,1026	0,2107	0,4463	1,3863	3,2189	4,6052	5,9915	7,3778	9,2103	10,5966	13,8155	15,2018
3	0,0153	0,0243	0,0717	0,1148	0,2158	0,3518	0,5844	1,0052	2,3660	4,6416	6,2514	7,8147	9,3484	11,3449	12,8382	16,2662	17,7300
4	0,0639	0,0908	0,2070	0,2971	0,4844	0,7107	1,0636	1,6488	3,3567	5,9886	7,7794	9,4877	11,1433	13,2767	14,8603	18,4668	19,9974
5	0,1581	0,2102	0,4117	0,5543	0,8312	1,1455	1,6103	2,3425	4,3515	7,2893	9,2364	11,0705	12,8325	15,0863	16,7496	20,5150	22,1053
6	0,2994	0,3811	0,6757	0,8721	1,2373	1,6354	2,2041	3,0701	5,3481	8,5581	10,6446	12,5916	14,4494	16,8119	18,5476	22,4577	24,1028
7	0,4849	0,5985	0,9893	1,2390	1,6899	2,1673	2,8331	3,8223	6,3458	9,8032	12,0170	14,0671	16,0128	18,4753	20,2777	24,3219	26,0178
8	0,7104	0,8571	1,3444	1,6465	2,1797	2,7326	3,4895	4,5936	7,3441	11,0301	13,3616	15,5073	17,5345	20,0902	21,9550	26,1245	27,8680
9	0,9717	1,1519	1,7349	2,0879	2,7004	3,3251	4,1682	5,3801	8,3428	12,2421	14,6837	16,9190	19,0228	21,6660	23,5894	27,8772	29,6658
10	1,2650	1,4787	2,1559	2,5582	3,2470	3,9403	4,8652	6,1791	9,3418	13,4420	15,9872	18,3070	20,4832	23,2093	25,1882	29,5883	31,4198
11	1,5868	1,8339	2,6032	3,0535	3,8157	4,5748	5,5778	6,9887	10,3410	14,6314	17,2750	19,6751	21,9200	24,7250	26,7568	31,2641	33,1366
12	1,9344	2,2142	3,0738	3,5706	4,4038	5,2260	6,3038	7,8073	11,3403	15,8120	18,5493	21,0261	23,3367	26,2170	28,2995	32,9095	34,8213
13	2,3051	2,6172	3,5650	4,1069	5,0088	5,8919	7,0415	8,6339	12,3398	16,9848	19,8119	22,3620	24,7356	27,6882	29,8195	34,5282	36,4778
14	2,6967	3,0407	4,0747	4,6604	5,6287	6,5706	7,7895	9,4673	13,3393	18,1508	21,0641	23,6848	26,1189	29,1412	31,3193	36,1233	38,1094
15	3,1075	3,4827	4,6009	5,2293	6,2621	7,2609	8,5468	10,3070	14,3389	19,3107	22,3071	24,9958	27,4884	30,5779	32,8013	37,6973	39,7188
16	3,5358	3,9416	5,1422	5,8122	6,9077	7,9616	9,3122	11,1521	15,3385	20,4651	23,5418	26,2962	28,8454	31,9999	34,2672	39,2524	41,3081
17	3,9802	4,4161	5,6972	6,4078	7,5642	8,6718	10,0852	12,0023	16,3382	21,6146	24,7690	27,5871	30,1910	33,4087	35,7185	40,7902	42,8792
18	4,4394	4,9048	6,2648	7,0149	8,2307	9,3905	10,8649	12,8570	17,3379	22,7595	25,9894	28,8693	31,5264	34,8053	37,1565	42,3124	44,4338
19	4,9123	5,4068	6,8440	7,6327	8,9065	10,1170	11,6509	13,7158	18,3377	23,9004	27,2036	30,1435	32,8523	36,1909	38,5823	43,8202	45,9731
20	5,3981	5,9210	7,4338	8,2604	9,5908	10,8508	12,4426	14,5784	19,3374	25,0375	28,4120	31,4104	34,1696	37,5662	39,9968	45,3147	47,4985
30	10,8044	11,5880	13,7867	14,9535	16,7908	18,4927	20,5992	23,3641	29,3360	36,2502	40,2560	43,7730	46,9792	50,8922	53,6720	59,7031	62,1619
40	16,9062	17,9164	20,7065	22,1643	24,4330	26,5093	29,0505	32,3450	39,3353	47,2685	51,8051	55,7585	59,3417	63,6907	66,7660	73,4020	76,0946
80	44,7910	46,5199	51,1719	53,5401	57,1532	60,3915	64,2778	69,2069	79,3343	90,4053	96,5782	101,879	106,629	112,329	116,321	124,839	128,261
120	75,4665	77,7551	83,8516	86,9233	91,5726	95,7046	100,624	106,806	119,334	132,806	140,233	146,567	152,211	158,950	163,648	173,617	177,603
200	140,660	143,843	152,241	156,432	162,728	168,279	174,835	183,003	199,334	216,609	226,021	233,994	241,058	249,445	255,264	267,541	272,423

Notas: ν : graus de liberdade (primeira coluna).

$\alpha \cdot 100$: probabilidade (cabeçalho das demais colunas).

q_{tab} : quantil (células internas da tabela).