TABLE 5.6

Two-sided critical values for the Grubbs' test. (For the single Grubbs' test outliers give rise to values which are larger than the critical values while for the double Grubbs' test they give rise to values which are smaller than the critical values).

n	One largest or One smallest α		Two largest or Two smallest α	
	0.05	0.01	0.05	0.01
3	1.155	1.155	–	–
4	1.481	1.496	0.0002	0.0000
5	1.715	1.764	0.0090	0.0018
6	1.887	1.973	0.0349	0.0116
7	2.020	2.139	0.0708	0.0308
8	2.126	2.274	0.1101	0.0563
9	2.215	2.387	0.1492	0.0851
10	2.290	2.482	0.1864	0.1150
11	2.355	2.564	0.2213	0.1448
12	2.412	2.636	0.2537	0.1738
13	2.462	2.699	0.2836	0.2016
14	2.507	2.755	0.3112	0.2280
15	2.549	2.806	0.3367	0.2530
16	2.585	2.852	0.3603	0.2767
17	2.620	2.894	0.3822	0.2990
18	2.651	2.932	0.4025	0.3200
19	2.681	2.968	0.4214	0.3398
20	2.709	3.001	0.4391	0.3585
21	2.733	3.031	0.4556	0.3761
22	2.758	3.060	0.4711	0.3927
23	2.781	3.087	0.4857	0.4085
24	2.802	3.112	0.4994	0.4234
25	2.822	3.135	0.5123	0.4376
26	2.841	3.157	0.5245	0.4510
27	2.859	3.178	0.5360	0.4638
28	2.876	3.199	0.5470	0.4759
29	2.893	3.218	0.5574	0.4875
30	2.908	3.236	0.5672	0.4985
31	2.924	3.253	0.5766	0.5091
32	2.938	3.270	0.5856	0.5192
33	2.952	3.286	0.5941	0.5288

Ref: Massart