

Óxido de Nitrogênio	N <sub>2</sub> O	44,013	gás	+82050	+104179	219,957
Nitrometano	CH <sub>3</sub> NO <sub>2</sub>	61,04	líquido	-113100	-14439	171,80

Tabela A.17 — Logarítmos na base *e* da constante de equilíbrio *K*

Para a reação  $v_A A + v_B B \rightleftharpoons v_C C + v_D D$ , a constante de equilíbrio *K* é definida por:

$$K = \frac{y_C^{v_C} y_D^{v_D}}{y_A^{v_A} y_B^{v_B}} \left( \frac{p}{p^0} \right)^{v_C + v_D - v_A - v_B}, \quad p^0 = 0,1 \text{ MPa}$$

Temp. K	H <sub>2</sub> ⇌ 2H	O <sub>2</sub> ⇌ 2O	N <sub>2</sub> ⇌ 2N	2H <sub>2</sub> O ⇌ 2H <sub>2</sub> + O <sub>2</sub>	2H <sub>2</sub> O ⇌ H <sub>2</sub> + 2OH	2CO <sub>2</sub> ⇌ 2CO + O <sub>2</sub>	N <sub>2</sub> + O <sub>2</sub> ⇌ 2NO	N <sub>2</sub> + 2O <sub>2</sub> ⇌ 2NO <sub>2</sub>
298	-164,003	-186,963	-367,52	-184,420	-212,075	-207,529	-69,868	-41,355
500	-92,830	-105,623	-213,405	-105,385	-120,331	-115,234	-40,449	-30,725
1000	-39,810	-45,146	-99,146	-46,321	-51,951	-47,052	-18,709	-23,039
1200	-30,878	-35,003	-80,025	-36,363	-40,467	-35,736	-15,082	-21,752
1400	-24,467	-27,741	-66,345	-29,222	-32,244	-27,679	-12,491	-20,826
1600	-19,638	-22,282	-56,069	-23,849	-26,067	-21,656	-10,547	-20,126
1800	-15,868	-18,028	-48,066	-19,658	-21,258	-16,987	-9,035	-19,577
2000	-12,841	-14,619	-41,655	-16,299	-17,406	-13,266	-7,825	-19,136
2200	-10,356	-11,826	-36,404	-13,546	-14,253	-10,232	-6,836	-18,773
2400	-8,280	-9,495	-32,023	-11,249	-11,625	-7,715	-6,012	-18,470
2600	-6,519	-7,520	-28,313	-9,303	-9,402	-5,594	-5,316	-18,214
2800	-5,005	-5,826	-25,129	-7,633	-7,496	-3,781	-4,720	-17,994
3000	-3,690	-4,356	-22,367	-6,184	-5,845	-2,217	-4,205	-17,805
3200	-2,538	-3,069	-19,947	-4,916	-4,401	-0,853	-3,755	-17,640
3400	-1,519	-1,932	-17,810	-3,795	-3,128	0,346	-3,359	-17,496
3600	-0,611	-0,922	-15,909	-2,799	-1,996	1,408	-3,008	-17,369
3800	0,201	-0,017	-14,205	-1,906	-0,984	2,355	-2,694	-17,257
4000	0,934	0,798	-12,671	-1,101	-0,074	3,204	-2,413	-17,157
4500	2,483	2,520	-9,423	0,602	1,847	4,985	-1,824	-16,953
5000	3,724	3,898	-6,816	1,972	3,383	6,397	-1,358	-16,797
5500	4,739	5,027	-4,672	3,098	4,639	7,542	-0,980	-16,678
6000	5,587	5,969	-2,876	4,040	5,684	8,488	-0,671	-16,588

Fonte: Consistente com JANAF Thermochemical Tables, 3ª edição, Thermal Group, Dow Chemical U.S.A., Mid., MI 1985

1,7	1,4825
1,8	1,5360
1,9	1,5861
2,0	1,6330
2,1	1,6769
2,2	1,7179
2,3	1,7563
2,4	1,7922
2,5	1,8257
2,6	1,8571
2,7	1,8865
2,8	1,9140
2,9	1,9398
3,0	1,9640
3,5	2,0642
4,0	2,1381
4,5	2,1936
5,0	2,2361
6,0	2,2953
7,0	2,3333
8,0	2,3591
9,0	2,3772
10,0	2,3905
∞	2,4495

Tabela A.19 — Funções d  
específico

<i>M<sub>x</sub></i>	<i>M<sub>y</sub></i>
1,00	1,00000
1,10	0,91177
1,20	0,84217
1,30	0,78596
1,40	0,73971
1,50	0,70109
1,60	0,66844
1,70	0,64054