Table. Experimental Molar Heat Capacities of Crystalline $NaTi_2(PO_4)_3$ (M = 403.704 g·mol^{-1}, p^o = 0.1 MPa)

T/K	$C^0_{p,m}$ / J·K^{-1}·mol^{-1}	T/K	$C^0_{p,m}$ / J·K^{-1}·mol^{-1}	T/K	$C^0_{p,m}$ / J·K^{-1}·mol^{-1}
		Series 1			
7.17	0.135	16.61	2.23	45.01	35.31
7.83	0.169	17.33	2.58	48.56	40.52
8.49	0.228	18.03	2.95	52.13	45.97
9.15	0.295	18.73	3.41	55.71	51.23
9.81	0.373	19.43	3.81	59.31	56.47
10.26	0.445	20.10	4.300	62.92	61.82
10.88	0.540	21.67	5.405	66.54	67.41
11.50	0.652	23.96	7.590	70.17	72.93
12.15	0.782	26.98	10.91	74.16	79.24
12.83	0.951	29.46	13.83	77.80	85.01
13.63	1.15	31.81	16.86	81.43	90.18
14.41	1.37	34.18	19.97	85.54	96.45
15.16	1.63	37.80	24.94	88.90	101.4
15.89	1.93	41.49	30.14		
		Series 2			
81.75	90.81	113.35	135.4	147.97	176.7
84.30	94.70	115.73	138.8	150.93	179.9
87.01	98.52	118.11	141.7	153.90	183.1
89.06	102.0	120.48	145.1	156.86	185.9
91.43	105.3	122.86	147.8	159.83	188.8
93.81	108.7	125.24	150.4	162.79	192.1
96.18	112.3	127.62	153.4	165.76	195.2
98.56	115.3	129.99	156.4	168.73	198.1
100.93	118.7	133.00	159.9	171.70	200.7
103.42	121.6	136.12	163.7	174.67	204.2
105.81	124.9	139.08	166.6	177.64	206.3
108.32	128.4	142.04	170.1	180.63	209.5
110.84	131.9	145.01	173.3	184.36	213.0

T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}	T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}	T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}
187.43	215.8	244.17	260.9	298.62	293.7
190.39	218.8	247.10	263.4	301.14	294.9
193.37	221.7	250.03	265.2	303.97	296.4
196.34	224.2	252.96	267.3	306.76	297.5
199.32	226.4	255.68	269.0	309.55	299.2
202.30	229.0	258.59	270.7	312.32	300.8
205.27	231.8	261.50	272.9	315.80	302.4
208.36	233.7	264.40	274.5	317.84	303.4
211.41	236.2	267.30	276.0	320.60	305.0
214.37	239.0	270.20	277.4	323.34	306.7
217.34	240.9	273.08	279.1	326.07	308.6
220.31	243.3	275.95	281.0	328.79	310.0
223.26	245.7	278.82	282.5	331.51	311.9
226.95	248.8	281.68	284.1	334.51	313.5
229.39	250.8	284.53	285.8	336.39	313.9
232.40	252.6	287.37	287.4	339.08	315.3
235.35	254.5	290.20	289.2	341.75	316.7
238.29	256.7	293.03	291.0	344.41	318.0
241.23	259.1	295.85	292.4		
			Series 3		
331.0	312	356.2	324	374.6	333
333.8	313	357.8	325	376.3	334
336.4	315	359.4	326	378.1	335
339.0	316	361.0	326	379.9	336
341.5	317	362.4	327	381.6	337
344.0	318	363.9	328	383.6	338
346.3	319	365.3	329	385.5	338
348.5	320	367.5	330	387.5	339
350.5	321	369.3	331	389.4	340
352.5	322	371.0	331	391.3	341
354.4	323	372.8	332	393.2	342

T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}	T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}	T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}
395.0	343	423.5	356	480.2	380
396.9	344	425.3	357	482.0	381
398.7	345	427.1	358	483.8	381
400.5	346	429.0	359	485.6	382
402.3	346	430.8	359	487.4	383
404.0	347	432.6	360	489.2	383
405.8	348	434.5	361	491.0	384
407.6	349	436.3	362	492.9	385
409.3	350	438.2	363	494.7	385
411.1	350	440.0	363	496.5	386
412.8	351	441.9	364	498.3	387
414.6	352	443.7	365	500.1	387
416.4	353	445.6	366	501.9	388
418.2	354	447.5	367	503.7	389
419.9	354	450.3	368	505.6	389
395.0	343	451.2	368	507.4	390
396.9	344	453.0	369	509.2	391
398.7	345	454.9	370	511.0	391
400.5	346	456.7	370	512.9	392
402.3	346	458.6	371	514.7	393
404.0	347	460.4	372	516.5	393
405.8	348	462.2	373	518.3	394
407.6	349	464.0	373	520.2	395
409.3	350	465.8	374	522.0	395
411.1	350	467.6	375	523.8	396
412.8	351	469.4	376	525.6	396
414.6	352	471.2	376	527.4	397
416.4	353	473.0	377	529.2	398
418.2	354	474.8	378	531.0	398
419.9	354	476.6	379	532.8	399
421.7	355	478.4	379	534.6	399

T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}	T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}	T/K	$C_{p,\mathrm{m}}^{0}$ / J·K^{-1}·mol^{-1}
536.5	400	574.8	411	610.5	420
538.3	401	576.2	412	612.3	420
540.1	401	578.1	412	614.1	420
541.9	402	579.9	413	615.9	421
543.8	402	581.8	413	617.8	421
545.6	403	583.6	413	619.6	421
547.4	403	585.4	414	621.4	422
549.2	404	587.2	414	623.2	422
551.1	405	589.0	415	625.1	423
552.9	405	590.8	415	626.9	423
554.7	406	592.6	416	628.7	423
556.6	406	594.4	416	630.6	424
558.4	407	596.2	417	632.4	424
560.2	407	598.0	417	634.2	424
562.0	408	599.8	417	636.0	424
563.9	408	601.6	418	637.8	425
565.7	409	603.3	418	639.6	425
567.5	409	605.1	419	641.4	425
569.3	410	606.9	419	643.3	426
571.1	410	608.7	419	645.1	426
572.9	411				