

Table D1

The temperature dependence of cell parameters of $\text{KHC}_5\text{H}_4\text{O}_4 \cdot \text{H}_2\text{O}$

T/K	$a/\text{\AA}$	$b/\text{\AA}$	$c/\text{\AA}$	$\alpha/^\circ$	$\beta/^\circ$	$\gamma/^\circ$	$V/\text{\AA}^3$
294	9.970(3)	9.912(2)	4.071(1)	103.01(2)	103.45(2)	98.19(2)	373.1(2)
280	9.964(4)	9.907(3)	4.060(1)	103.06(2)	103.36(3)	98.22(3)	371.7(3)
270	9.954(4)	9.896(3)	4.048(1)	103.14(2)	103.22(3)	98.34(3)	369.7(3)
265	9.957(4)	9.897(3)	4.048(1)	103.11(2)	103.26(3)	98.30(3)	370.0(2)
260	9.960(3)	9.902(3)	4.055(1)	103.07(2)	103.28(3)	98.28(3)	371.0(2)
255	9.962(4)	9.903(2)	4.058(1)	103.10(2)	103.32(2)	98.24(2)	371.3(2)
250	9.962(4)	9.904(3)	4.056(1)	103.09(2)	103.30(3)	98.26(3)	371.2(2)
245	9.960(4)	9.898(3)	4.054(1)	103.08(2)	103.28(3)	98.28(3)	370.7(2)
240	9.958(3)	9.899(2)	4.053(1)	103.11(2)	103.27(2)	98.28(2)	370.6(2)
230	9.950(3)	9.890(3)	4.041(1)	103.21(2)	103.14(2)	98.37(2)	368.8(2)
220	9.947(2)	9.888(2)	4.0367(8)	103.22(2)	103.09(2)	98.39(2)	368.2(1)
200	9.944(2)	9.886(2)	4.0323(9)	103.24(2)	103.04(2)	98.41(2)	367.6(1)
180	9.942(2)	9.882(2)	4.027(1)	103.26(2)	103.00(2)	98.47(2)	366.9(2)
140	9.936(3)	9.876(2)	4.0186(8)	103.31(2)	102.93(2)	98.54(2)	365.6(2)
100	9.931(2)	9.874(2)	4.0101(8)	103.36(1)	102.84(2)	98.63(2)	364.5(1)
40	9.927(2)	9.866(2)	4.0015(8)	103.40(1)	102.77(2)	98.73(2)	363.2(1)

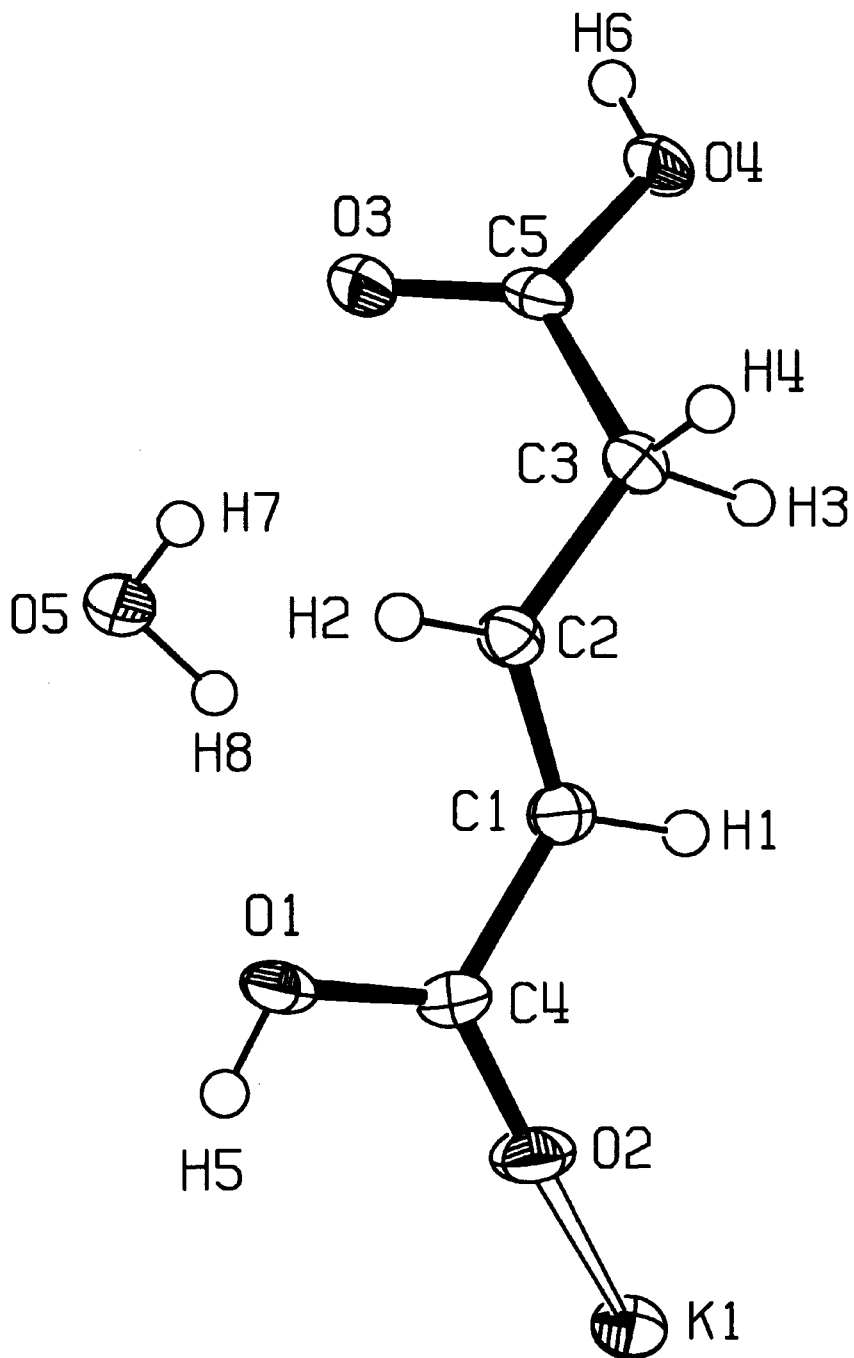


Fig. D1
(I) at 245 K
BJ 1024

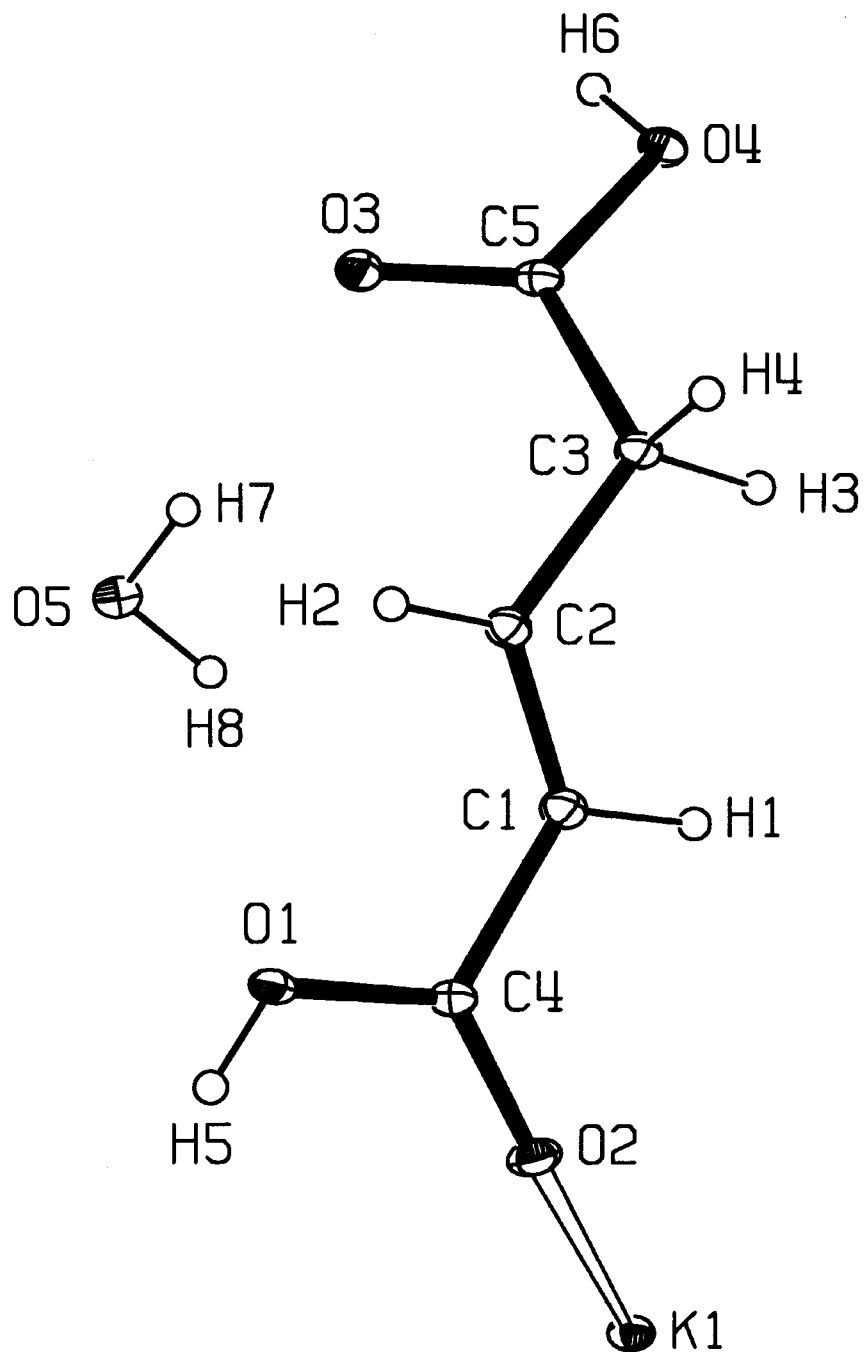


Fig. D2
(I) at 40 K
BJ 1024

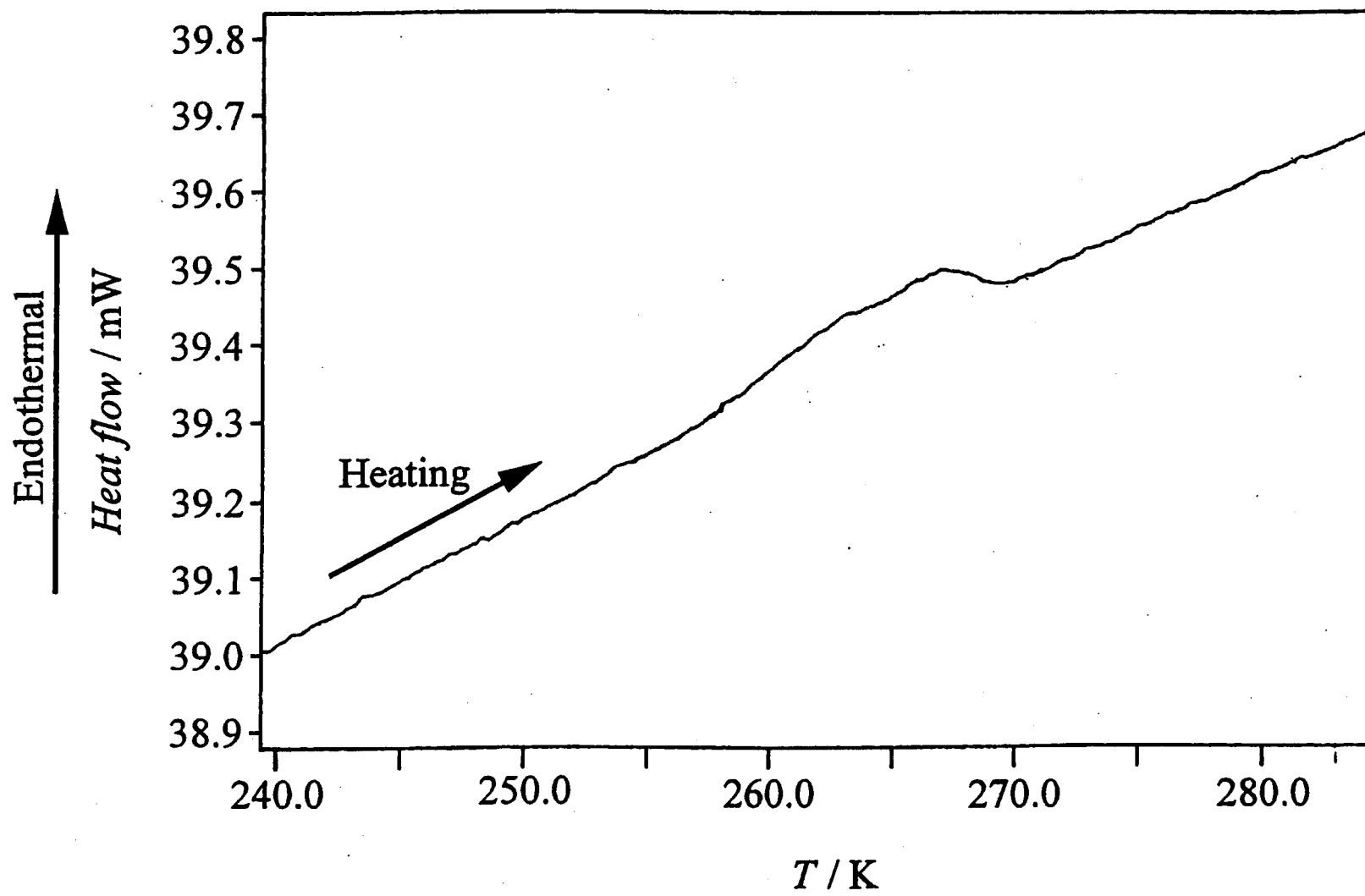


Fig. D3 The DSC curve of $\text{KHC}_5\text{H}_4\text{O}_4 \cdot \text{H}_2\text{O}$.

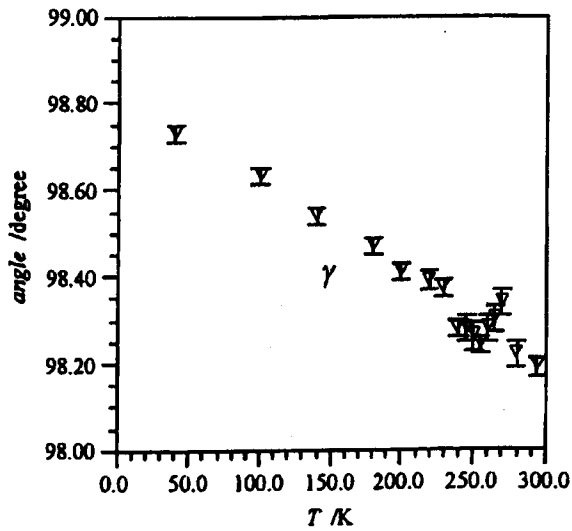
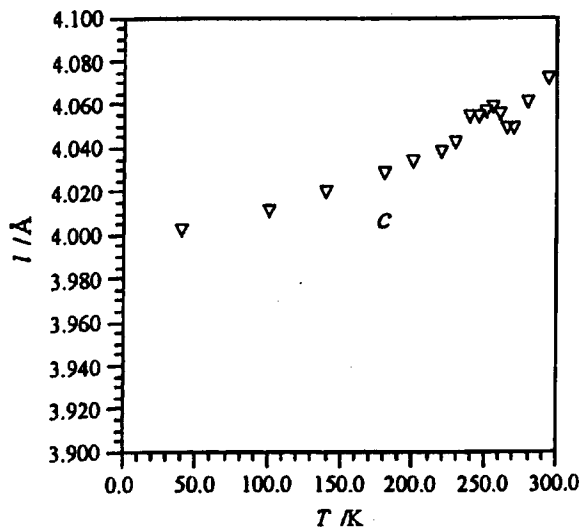
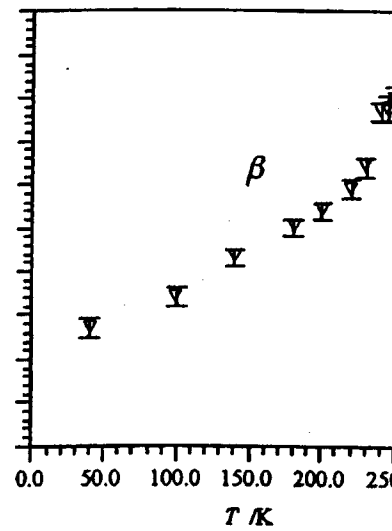
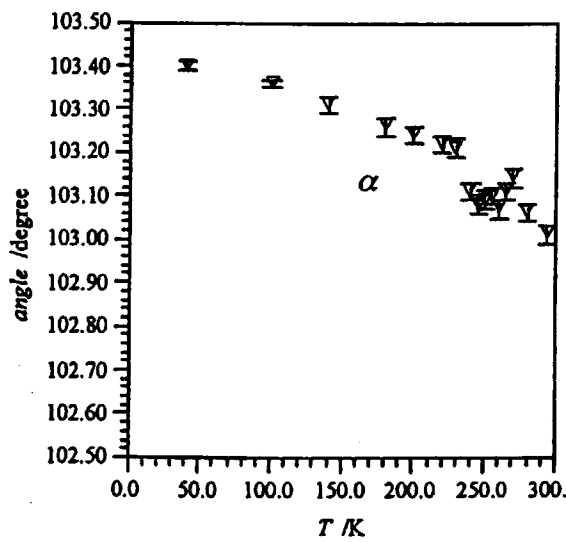
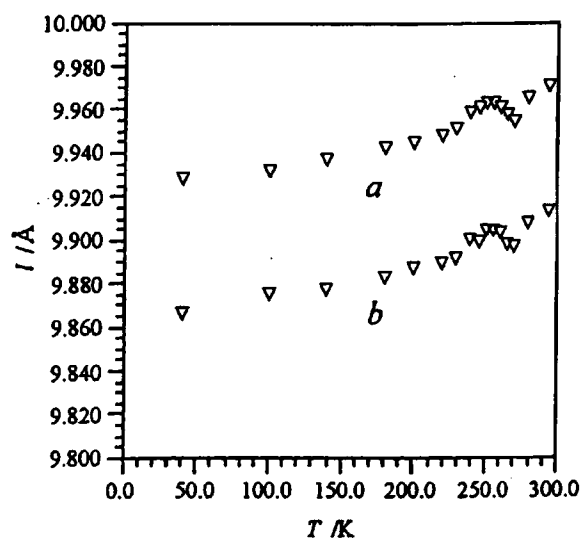


Fig. D4 The temperature dependence of the lattice constants of $\text{KHC}_5\text{H}_4\text{O}_4 \cdot \text{H}_2\text{O}$.

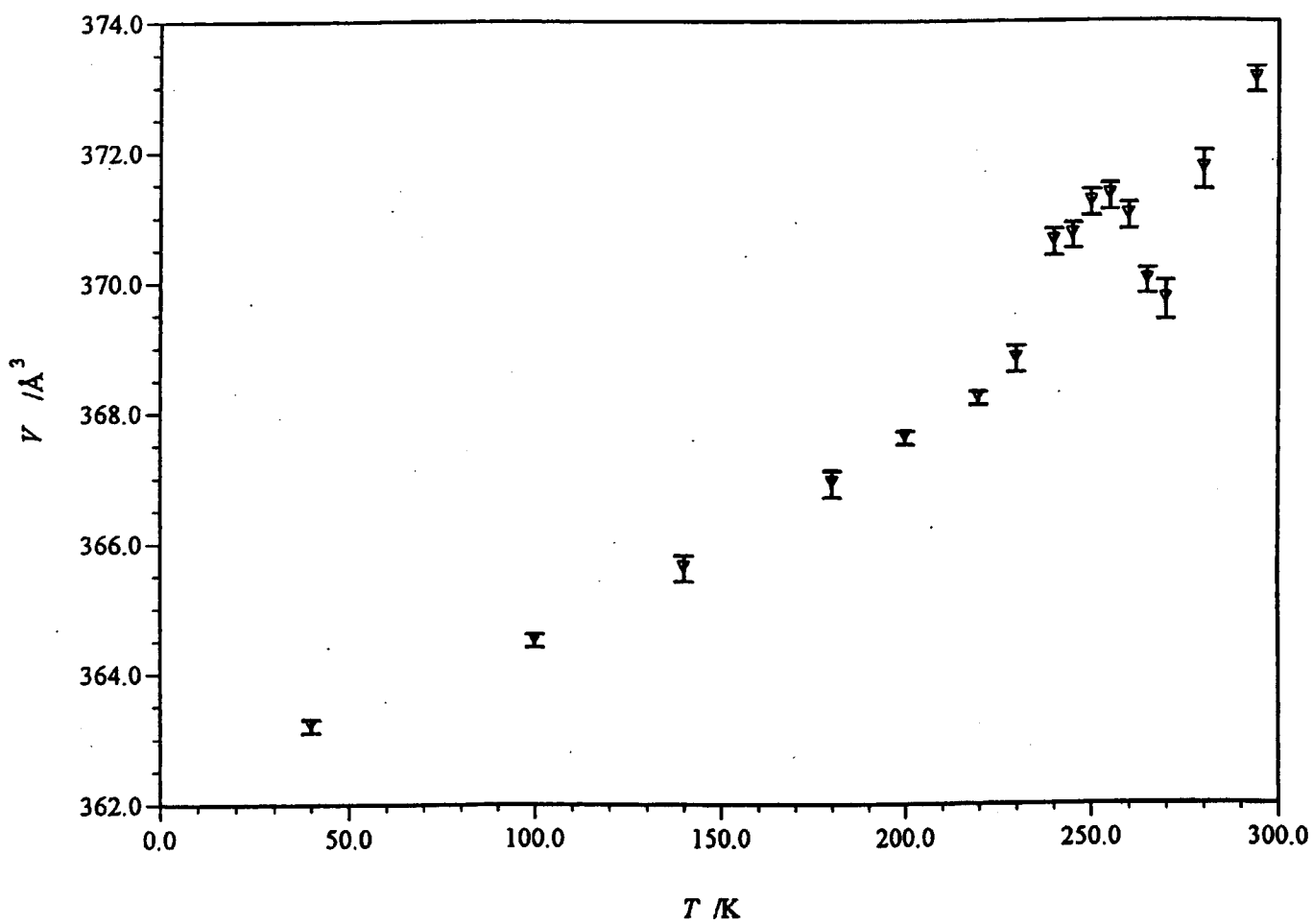


Fig. D5 The temperature dependence of the unit cell volume of $\text{KHC}_5\text{H}_4\text{O}_4 \cdot \text{H}_2\text{O}$.