

Single crystals of V-amylose complexed with α -naphthol

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SUPPORTING INFORMATION

Table 1. List of reflections observed in electron diffraction patterns recorded at room temperature on untilted and tilted single crystals. The corresponding d -spacings (d_{obs}) are compared with the values (d_{cal}) calculated from the parameters of the refined unit cell.

hkl	d_{obs} (nm)	d_{cal} (nm)	$ d_{obs}-d_{cal} $ (nm)
2 0 0	1.157	1.161	0.004
2 1 0	1.042	1.039	0.003
2 2 0	0.824	0.822	0.002
3 1 0	0.736	0.735	0.001
3 2 0	0.646	0.645	0.001
4 0 0	0.582	0.581	0.001
2 2 1	0.570	0.569	0.001
4 1 0	0.565	0.563	0.002
3 3 0	0.546	0.548	0.002
3 1 1	0.538	0.538	0.000
4 2 0	0.520	0.520	0.000
3 2 1	0.500	0.499	0.001
4 3 0	0.466	0.465	0.001
4 1 1	0.459	0.458	0.001
5 1 0	0.456	0.455	0.001
4 2 1	0.436	0.434	0.002
5 2 0	0.432	0.431	0.001
4 4 0	0.409	0.411	0.002
5 3 0	0.396	0.399	0.003
5 1 1	0.395	0.395	0.000
6 0 0	0.390	0.391	0.001
6 1 0	0.383	0.382	0.001
6 2 0	0.369	0.368	0.001

5 4 0	0.362	0.362	0.000
6 0 1	0.349	0.348	0.001
6 3 0	0.348	0.347	0.001
6 1 1	0.337	0.344	0.007
6 2 1	0.333	0.333	0.000
5 5 0	0.329	0.329	0.000
7 1 0	0.328	0.329	0.001
6 4 0	0.323	0.322	0.001
7 2 0	0.320	0.319	0.001
7 3 0	0.306	0.305	0.001
6 4 1	0.299	0.298	0.001
6 5 0	0.298	0.298	0.000
7 2 1	0.296	0.296	0.000
8 0 0	0.292	0.291	0.001
7 4 0	0.289	0.288	0.001
8 1 0	0.289	0.288	0.001
4 4 2	0.287	0.284	0.003
7 3 1	0.285	0.285	0.000
5 3 2	0.280	0.280	0.000
8 2 0	0.278	0.282	0.004
6 5 1	0.278	0.278	0.000
6 6 0	0.273	0.274	0.001
8 3 0	0.272	0.272	0.000
7 5 0	0.271	0.270	0.001
6 2 2	0.269	0.269	0.000
8 4 0	0.260	0.260	0.000
6 6 1	0.260	0.259	0.001
8 3 1	0.257	0.257	0.000
9 1 0	0.257	0.256	0.001
5 5 2	0.253	0.253	0.000
7 1 2	0.253	0.256	0.003
7 6 0	0.252	0.252	0.000
9 2 0	0.250	0.252	0.002
6 4 2	0.250	0.249	0.001
8 5 0	0.246	0.246	0.000
9 3 0	0.245	0.245	0.000
7 7 0	0.235	0.235	0.000
8 6 0	0.233	0.232	0.001
10 0 0	0.232	0.232	0.000
8 2 2	0.229	0.229	0.000
10 2 0	0.225	0.228	0.003
10 5 0	0.208	0.208	0.000

10 2 2	0.197	0.197	0.000
12 0 0	0.192	0.193	0.001
14 0 0	0.168	0.166	0.002
14 6 0	0.153	0.153	0.000

Table 2. List of a selection of non-overlapping d -spacings observed in synchrotron X-ray diffraction diagrams recorded on dry mats of V_{α} -naphthol crystals. The corresponding d -spacings (d_{obs}) are compared with the values (d_{cal}) calculated from the parameters of the refined unit cell.

$h k l$	d_{obs} (nm)	d_{cal} (nm)	$ d_{obs}-d_{cal} $ (nm)
2 0 0	1.1359	1.1359	0.0000
3 2 0	0.6301	0.6339	0.0038
1 0 1	0.7382	0.7360	0.0022
1 1 1	0.7021	0.7019	0.0002
2 0 1	0.6433	0.6446	0.0013
2 1 1	0.6190	0.6193	0.0003