

ภาคผนวก

ข้อมูลการเลี้ยวเบนของรังสีเอกซ์ของ CdS และ CdTe ที่ได้จากไฟล์ข้อมูลมาตรฐาน

JCPDS (The Joint Committee on Powder Diffraction Standards)

Pattern : 77-2306		Radiation = 1.540600		Quality : Calculated		
Cd S		2 θ	I	h	k	l
Cadmium Sulfide		24.837	63	1	0	0
		26.535	45	0	0	2
		28.216	100	1	0	1
		36.662	25	1	0	2
		43.738	43	1	1	0
		47.894	41	1	0	3
		50.949	6	2	0	0
		51.890	31	1	1	2
		52.866	13	2	0	1
		54.844	2	0	0	4
		58.354	5	2	0	2
		60.912	2	1	0	4
		66.858	12	2	0	3
		69.359	8	2	1	0
		70.962	9	2	1	1
		72.472	4	1	1	4
		75.572	8	1	0	5
		75.689	5	2	1	2
		77.866	1	2	0	4
		80.358	4	3	0	0
		83.367	10	2	1	3
		86.434	4	3	0	2
		87.021	1	0	0	6
Lattice : Hexagonal		Mol. weight = 144.47				
S.G. : P63mc (186)		Volume [CD] = 99.45				
a = 4.13600	Z = 2	Dx = 4.824				
c = 6.71300		V _{cor} = 7.93				
ICSD COLLECTION CODE : 060629						
REMARKS FROM ICSD : REM F Determination based on model III of Fakineos, Stevenso						
REMARKS FROM ICSD : REM Barnea Aust. J. Phys. 1982,35 415 424.						
TEST FROM ICSD : At least one TF missing.						
*Calculated from ICSD using POWD-12++, (1997) primary reference :						
*Acta Crystallogr., Sec. B: Structural Science, volume 40, page 521, (1984) :						

