

Pr₂Si₂O₇

Praseodymium Silicate

				d(A)	Int	h	k	l	d(A)	Int	h	k	l	
				7.22	31	1	1	0	2.6790	3	3	2	1	
				6.50	10	2	0	0	2.6680	4	4	1	1	
				5.204	5	2	1	0	2.6540	5	3	2	1	
				5.024	2	1	0	1	2.6410	4	2	3	0	
Rad.:	λ:	Filter:	d-sp: Diff.	4.581	2	0	1	1	2.6380	2	4	1	1	
				4.345	2	1	1	1	2.6040	1	4	2	0	
Cut off:	Int.:	Diffract.	l/lcor.:	4.338	7	0	2	0	2.5490	1	0	3	1	
				4.311	5	1	1	1	2.5240	1	1	1	2	
Ref: Tas, A., Middle East Technical Univ., Ankara, Turkey, Private Communication. (1996)				4.114	2	1	2	0	2.5040	9	1	3	1	
				3.879	2	3	1	0	2.4990	3	1	3	1	
				3.769	2	2	1	1	2.4925	4	5	1	0	
Sys.: Monoclinic				3.608	3	2	2	0	2.4090	1	2	1	2	
S.G.: P2 ₁ /n (14)				3.408	42	3	0	1	2.4054	1	3	3	0	
a: 13.0149(4)	b: 8.6717(2)	c: 5.4033(3)	A: 1.5008	C: 0.6231	3.381	100	0	2	1	2.3872	1	2	1	2
α:	β: 90.51	γ:	Z: 4	mp:	3.358	54	3	0	1	2.3781	1	2	3	1
Ref: Ibid.				3.278	20	1	2	1	2.3683	1	2	3	1	
				3.268	21	1	2	1	2.3335	2	4	2	1	
				3.172	22	3	1	1	2.2931	4	0	2	2	
				3.132	27	3	1	1	2.2752	2	5	1	1	
Dx: 4.901 Dm: 4.870 SS/FOM: F ₃₀ - 25(0.031 . 38)				3.066	23	3	2	0	2.2631	3	1	2	2	
				3.0460	3	4	1	0	2.2538	2	1	2	2	
				2.8230	9	1	3	0	2.2317	1	5	2	0	

PSC: mP44. Mwt: 449.98. Volume[CD]: 609.80.

d(A)	Int	h	k	l	d(A)	Int	h	k	l	d(A)	Int	h	k	l	d(A)	Int	h	k	l
2.2026	1	3	1	2	1.6953	1	4	3	2	1.3848	1	8	1	2	1.1719	1	6	6	1
2.1907	1	3	3	1	1.6907	3	0	4	2	1.3836	1	9	1	1	1.1669	1	8	4	2
2.1714	3	2	2	2	1.6788	3	1	4	2	1.3756	1	8	3	1	1.1657	1	10	0	2
2.1691	4	6	0	0	1.6758	2	2	5	0	1.3739	1	9	1	1	1.1623	1	10	3	1
2.1677	8	0	4	0	1.6663	3	5	4	0	1.3717	1	9	2	0	1.1606	2	9	3	2
2.1610	7	4	3	0	1.6578	2	6	3	1	1.3713	2	3	6	0	1.1593	2	11	0	1
2.1543	5	2	2	2	1.6482	4	6	1	2	1.3672	2	8	1	2	1.1576	2	4	7	0
2.1388	10	1	4	0	1.6393	1	1	5	1	1.3659	3	2	6	1	1.1558	2	10	3	1
2.1040	4	6	1	0	1.6376	1	1	5	1	1.3606	1	7	3	2	1.1553	2	10	1	2
2.0717	5	5	2	1	1.6269	2	8	0	0	1.3547	3	6	5	0	1.1525	1	7	5	2
2.0572	3	2	4	0	1.6105	1	3	5	0	1.3395	1	6	4	2					
2.0539	2	5	2	1	1.6023	4	2	5	1	1.3345	3	8	2	2					
2.0374	10	3	2	2	1.5991	3	2	5	1	1.3304	1	3	6	1					
2.0171	8	3	2	2	1.5708	2	3	4	2	1.3276	1	3	6	1					
2.0137	1	4	3	1	1.5658	3	6	2	2	1.3251	1	9	2	1					
2.0114	1	0	4	1	1.5645	4	5	3	2	1.3189	4	8	2	2					
2.0073	2	4	1	2	1.5635	4	7	3	0	1.3168	1	6	5	1					
1.9898	2	1	4	1	1.5460	1	3	5	1	1.3009	1	8	4	0					
1.9870	2	1	4	1	1.5390	2	8	1	1	1.2932	1	9	3	0					
1.9704	1	6	1	1	1.5332	2	6	4	0	1.2869	6	10	1	0					
1.9550	1	1	3	2	1.5305	2	4	5	0	1.2848	3	4	6	1					
1.9516	1	6	1	1	1.5270	1	8	1	1	1.2772	1	5	5	2					
1.9488	1	1	3	2	1.5234	1	8	2	0	1.2687	2	5	5	2					
1.9399	1	6	2	0	1.5058	1	4	4	2	1.2637	2	5	6	0					
1.9388	1	3	4	0	1.4982	6	7	1	2	1.2620	5	8	3	2					
1.9347	2	5	3	0	1.4945	1	4	4	2	1.2567	1	7	4	2					
1.9254	15	2	4	1	1.4790	4	6	4	1	1.2539	1	9	3	1					
1.9194	10	2	4	1	1.4752	1	4	5	1	1.2520	1	2	6	2					
1.8944	12	2	3	2	1.4699	1	4	5	1	1.2490	1	2	6	2					
1.8826	20	2	3	2	1.4594	1	0	5	2	1.2465	1	10	2	0					
1.8633	1	4	2	2	1.4526	5	7	2	2	1.2332	1	1	7	0					
1.8454	1	5	1	2	1.4517	4	1	5	2	1.2301	1	9	2	2					
1.8330	5	6	2	1	1.4494	2	1	5	2	1.2285	1	5	6	1					
1.8268	3	5	3	1	1.4436	2	5	5	0	1.2204	1	3	6	2					
1.8207	5	3	4	1	1.4365	1	1	6	0	1.2183	1	10	2	1					
1.8191	5	5	1	2	1.4353	1	7	2	2	1.2163	1	9	2	2					
1.8182	4	6	2	1	1.4266	1	2	5	2	1.2154	1	6	5	2					
1.8147	2	5	3	1	1.4239	1	5	4	2	1.2075	1	0	7	1					
1.8040	9	4	4	0	1.4217	1	2	5	2	1.2064	1	6	5	2					
1.7900	2	3	3	2	1.4176	1	8	3	0	1.2029	1	9	4	0					
1.7656	6	7	0	1	1.4121	1	5	4	2	1.2019	1	1	7	1					
1.7501	2	7	0	1	1.4112	2	7	4	0	1.1912	1	3	7	0					
1.7341	1	6	3	0	1.3972	1	5	5	1	1.1878	1	2	7	1					
1.7191	4	1	5	0	1.3962	2	0	6	1	1.1867	1	10	3	0					
1.7159	3	7	1	1	1.3916	1	9	0	1	1.1839	1	4	6	2					
1.7099	4	5	2	2	1.3887	1	1	6	1	1.1779	2	8	4	2					
1.7085	2	7	2	0	1.3877	1	1	6	1	1.1725	1	9	3	2					