27-1402										Wavelength= 1.54184 *
Si						2θ	Int	h	k	1
Silicon						28.466* 47.344* 56.171*	100 55 30	1 2 3	1 2 1	1 0 1
Silicon, syn						69.196*	6	4	0	0
Rad.: CuKa1 λ: 1.5405 Filter: Mono. d-sp: Diffractometer						76.452* 88.118*	11 12	3 4	3 2	1 2
Cut off: Int.: Diffract. I/Icor.: 4.70						95.052*	6	5	1	1
Ref: Natl. Bur. Stand. (U.S.) Monogr. 25, 13, 35 (1976)						106.843 114.234	3 7	4 5	4 3	0 1
						127.734 - 137.132	8 3	6 5	2 3	0 3
Sys.: Cubic S.G.: Fd3m (227)						137.132	J	J	J	3
a: 5.43088(4)	b:	c:	A:		C:					
α:	β:	γ:	Z: 8	mp	p:					
Ref: Ibid.										
Dx: 2.329	Dm:	SS/FOM: F <sub>11</sub> =409(.0021, 13)				_				
Color: Gray Pattern taken at 25(1) C. This sample is NBS Standard Reference Material No. 640. CAS #: 7440-21-3. Reflections calculated from precision measurement of a0. a0 uncorrected for refraction. C type. Diamond group. Tungsten used as an internal stand. PSC: cF8. To replace 5-565 and 26-1481. Mwt: 28.09. Volume[CD]: 160.18.										

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