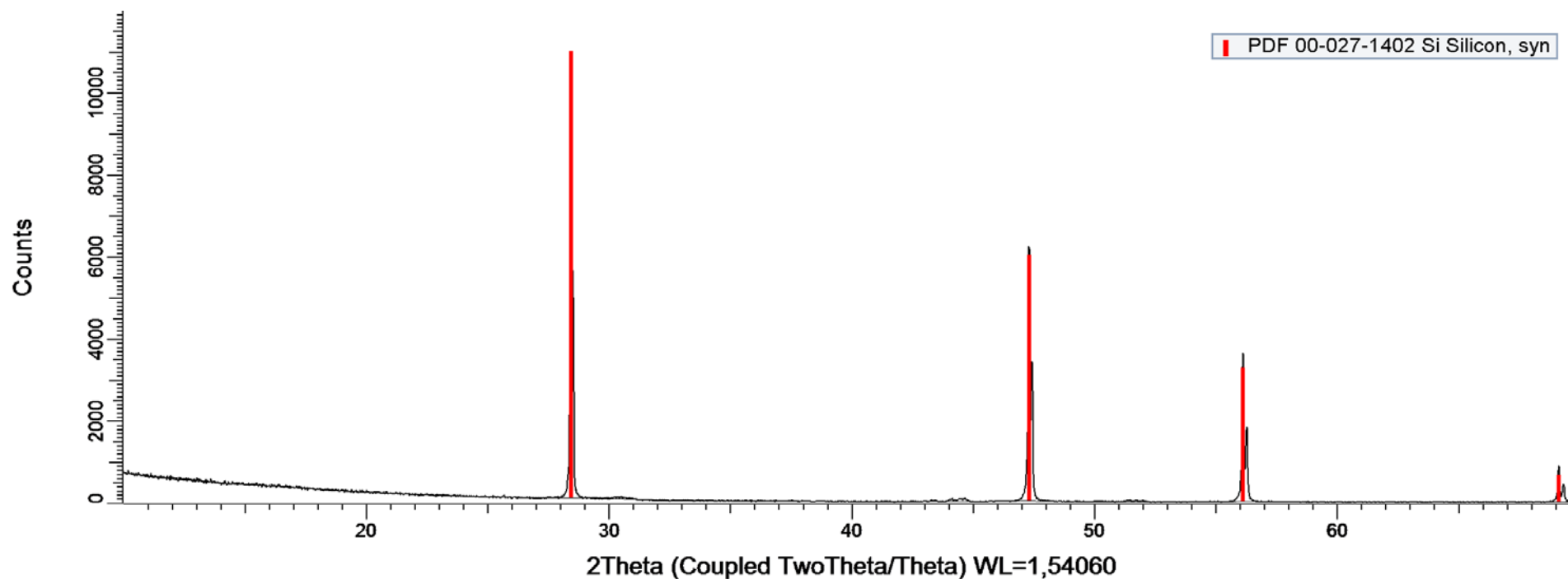


PATRÓN DE SI NIST SRM 640C 14-03-17



-  SI NIST CHC 14-03-17. Barrido tipo Θ - Θ . Rango: 10 a 70 $^{\circ}2\Theta$. Paso: 0,02. Tiempo por paso: 0,1 seg. Cámara: CHC plus. Detector: LYNXEYE-XE.
-  Patrón de SI NIST 640c. Cúbico – a 5.43088 - b 5.43088 - c 5.43088 - α 90.000 - β 90.000 - γ 90.000 – Centrado en las caras – Fd-3m (227) – Z 8 – V 160.181

14 de marzo de 2017

Si NIST SRM 640C DISCOVER II 14-03-17

R-Values

Rwp : 11.05 GOF : 1.53

Instrument

Primary radius (mm)	280
Secondary radius (mm)	280
Linear PSD 2Th angular range (°)	2.58
FDS angle (°)	0.5
Beam spill, sample length (mm)	14
Intensity corrected	
Full Axial Convolution	
Filament length (mm)	12
Sample length (mm)	14
Receiving Slit length (mm)	12
Primary Sollers (°)	2.5
Secondary Sollers (°)	2.5

hkl Phase - 1 Le Bail method

Phase name	Silicio
R-Bragg	0.381
Spacegroup	227
Cell Volume (Å ³)	160.19(2)
Double-Voigt Approach	
Cry size Lorentzian	620(110)
Cry size Gaussian	320(30)
k: 1 LVol-IB (nm)	195(17)
k: 0.89 LVol-FWHM (nm)	218(18)
Strain	
Strain L	0.016(7)
Strain G	0.050(12)
e0	0.00013(3)

Lattice parameters
a (Å)

SRM 640C Certificate
5.4310(2) **5.43311946(92)**

h	k	l	m	d	Th2	I
1	1	1	8	3.13559	28.44198	45.3
0	2	2	12	1.92015	47.30209	104
3	1	1	24	1.63751	56.12156	91.4
2	2	2	8	1.56780	58.85543	0.00605
0	0	4	6	1.35775	69.12896	38.4

14 de marzo de 2017

CITIUS, Tfno. 954559747 - 954559746, Fax. 954559753
Apdo. 1152, 41080 Sevilla, Spain

2 de 2