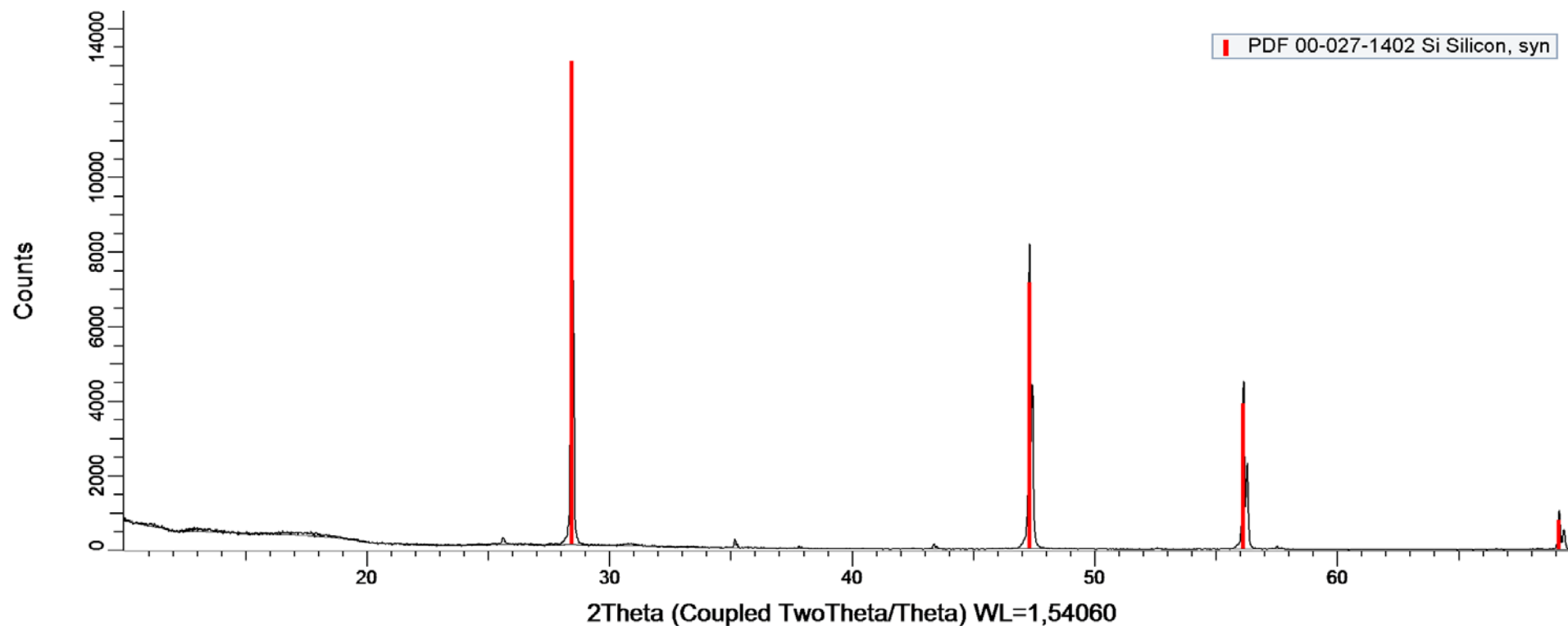


PATRÓN DE SI NIST SRM 640C 19-03-18



SI MTC-FURNACE 19-03-18. Barrido tipo Θ - Θ . Rango: 10 a 70 $^{\circ}2\Theta$. Paso: 0,02. Tiempo por paso: 0,2 seg. Cámara: MTC-FURNACE. 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

19 de marzo de 2018

Si NIST SRM 640C DISCOVER II 19-03-18

R-Values

Rwp : 17.72 GOF : 2.54

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)	12
Intensity corrected	
Full Axial Convolution	
Filament length (mm)	12
Sample length (mm)	12
Receiving Slit length (mm)	12
Primary Sollers (°)	2.5
Secondary Sollers (°)	2.5

hkl Phase - 1 Le Bail method

Phase name	Silicio
R-Bragg	0.236
Spacegroup	227

Cell Volume (Å³) 159.974(9)

Lattice parameters **SRM 640C Certificate**
 a (Å) 5.42854(10) **5.43311946(92)**

h	k	l	m	d	Th2	I	—
1	1	1	8	3.13417	28.45519	59	
2	2	0	12	1.91928	47.32491	139	
3	1	1	24	1.63677	56.14935	118	
2	2	2	8	1.56708	58.88483	0.0305	
4	0	0	6	1.35713	69.16487	47.6	

19 de marzo de 2018

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

2 de 2