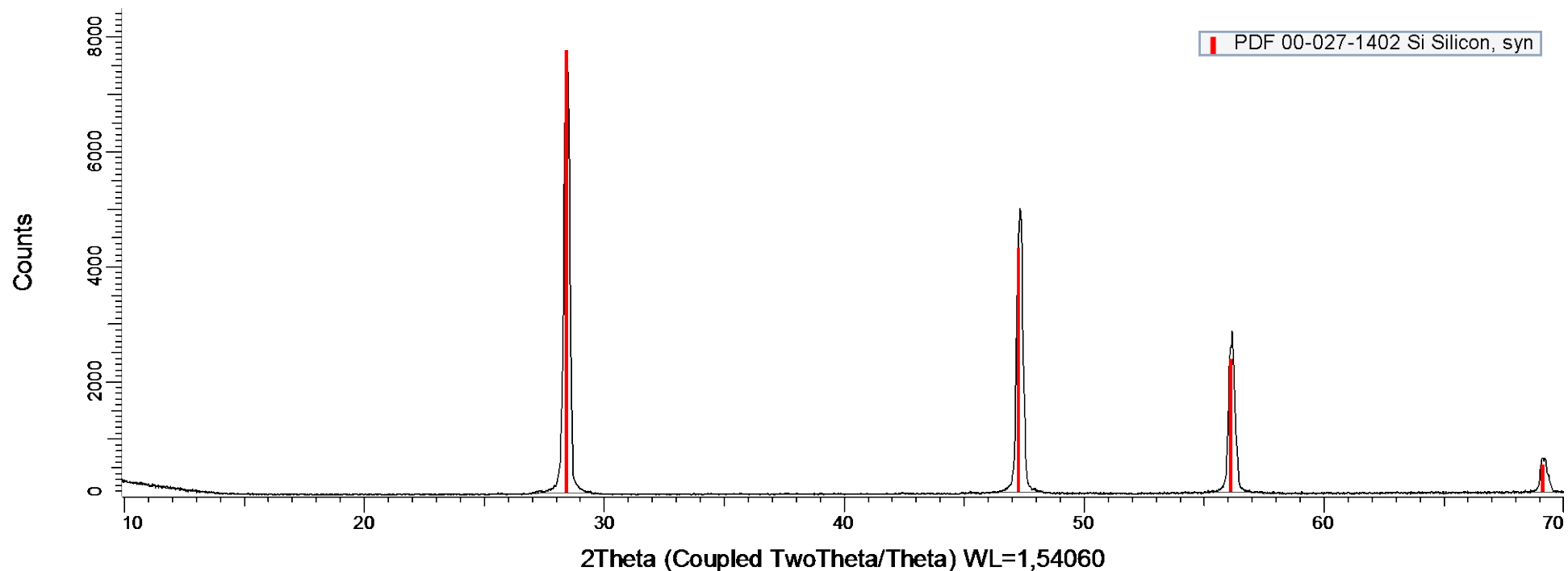




PATRÓN DE SI NIST SRM 640C 10-10-17



-  SI NIST TTK450 10-10-14. Barrido tipo Θ - Θ . Rango: 10 a 70 $^{\circ}2\Theta$. Paso: 0,02. Tiempo por paso: 0,1 seg. Cámara: TTK450. Detector: VANTEC.
-  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

16 de octubre de 2017

INFORME DE CALIBRACIÓN TTK450

Si NIST 640c D8C 10-10-17

R-Values

Rwp : 18.26 GOF : 2.18

Instrument

Primary radius (mm)	200.5
Secondary radius (mm)	200.5
Linear PSD 2Th angular range (°)	3
FDS angle (°)	0.6
Beam spill, sample length (mm)	14
Intensity not corrected	
Full Axial Convolution	
Filament length (mm)	12
Sample length (mm)	14
Receiving Slit length (mm)	12
Primary Sollers (°)	4
Secondary Sollers (°)	4

hkl Phase - 1 Lebail method

Phase name	Silicio
R-Bragg	0.626
Spacegroup	227
Cell Volume (Å ³)	160.13(8)
Double-Voigt Approach	
Cry size Lorentzian	164(19)
Cry size Gaussian	52.6(12)
k: 1 LVol-IB (nm)	37.2(13)
k: 0.89 LVol-FWHM (nm)	39.5(11)

Lattice parameters	NIST 640c	Certificate
a (Å)	5.4303(9)	5.43311946(92)

h	k	l	m	d	Th2	I	—
1	1	1	8	3.13518	28.44578	83.8	
0	2	2	12	1.91990	47.30865	165	
3	1	1	24	1.63730	56.12955	146	
2	2	2	8	1.56759	58.86388	0.357	
0	0	4	6	1.35757	69.13929	56.1	

16 de octubre de 2017