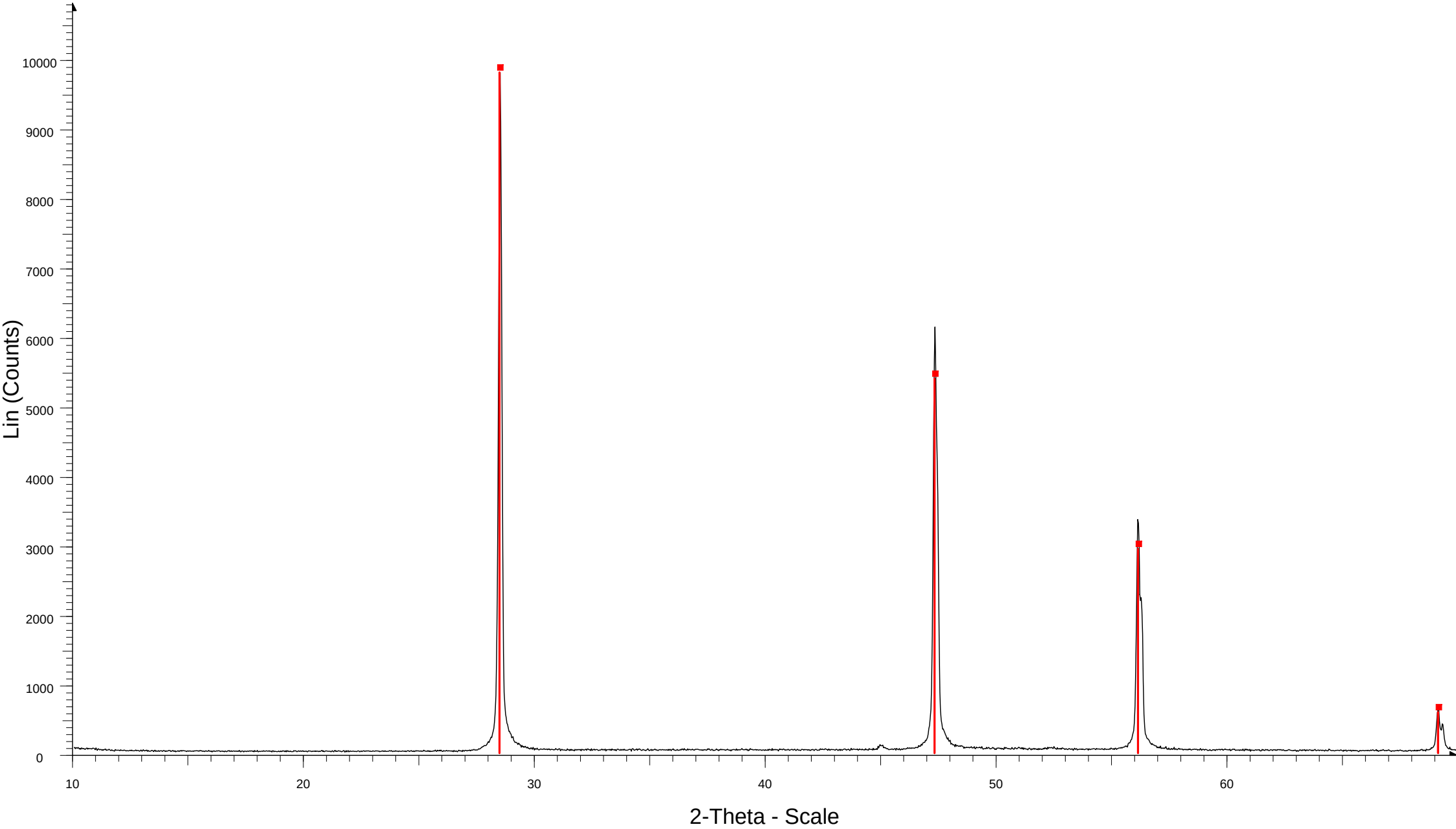
PATRÓN DE SI NIST SRM 640C (D8C) 25-09-09



NIST SI TTK450 25-09-09 - File: NIST SI TTK450 25-09-09.raw - Type: 2Th/Th locked - Start: 10.000 ° - End: 69.977 ° - Step: 0.030 ° - Step time: 401. s - Temp.: 23 °C - Time Started: 12 s - 2-Theta: 10.000 ° - Theta: 5.000 ° - Chi: Operations: Import

00-027-1402 (*) - Silicon, syn - Si - Y: 100.00 % - d x by: 1. - WL: 1.54186 - Cubic - a 5.43088 - b 5.43088 - c 5.43088 - alpha 90.000 - beta 90.000 - gamma 90.000 - Face-centered - Fd-3m (227) - 8 - 160.181 - I/Ic PDF 4.7 - F11=

INFORME DE CALIBRACIÓN

Si NIST 640c D8C TTK450 25-09-09

Range Number : 1

R-Values

Rexp : 8.98	Rwp : 14.53	Rp : 10.43	GOF : 1.62
Rexp`: 11.29	Rwp`: 18.27	Rp` : 14.89	DW : 0.90

hkl Phase - 1 Lebail method

Phase name	Silicio	
R-Bragg	0.641	
Spacegroup	227	
Cell Mass	0.000	
Cell Volume (Å^3)	0.00000	
Wt% - Rietveld	0.000	
Crystallite Size		
Cry Size Lorentzian (nm)	133.1(91)	
Cry Size Gaussian (nm)	207(92)	
k: 0.89 LVol-IB (nm)	62.3(84)	
k: 0.89 LVol-FWHM (nm)	89(16)	
Strain		
Strain L	0.000(13)	
Strain G	0.01(16)	
4 e0	0.003(41)	
Lattice parameters		**NIST 640c Certificate**
a (Å)	5.425633(74)	**5.43311946(92)**

h	k	l	m	d	Th2	I
1	1	1	8	3.13249	28.47075	121
0	2	2	12	1.91825	47.35181	238
3	1	1	24	1.63589	56.18209	194
2	2	2	8	1.56625	58.91948	0.0815
0	0	4	6	1.35641	69.20719	53