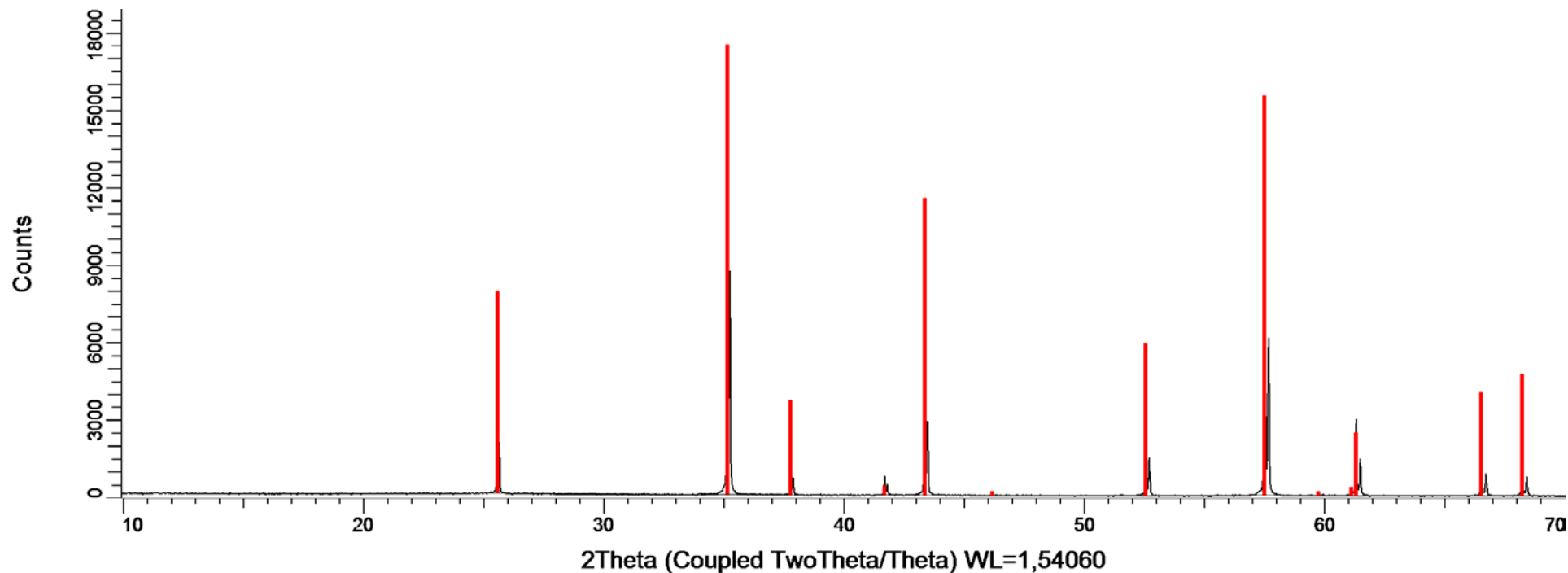


PATRÓN DE CORINDÓN 01-03-17



CORINDON 01-03-17. Barrido tipo Θ - Θ . Rango: 3 a 70 $^{\circ}2\Theta$. Paso: 0,015. Tiempo por paso: 0,1 seg. Detector: Lynxeye.



Patrón de Corindón. Trigonal – a 4.7588770 - c 12.992877 – R-3c (167) – Z 6 – V 254.81

30 de marzo de 2017

Corindon D8I-90 01-03-17

R-Values

Rwp : 16.19 GOF : 2.31

Instrument

Primary radius (mm)	250
Secondary radius (mm)	250
Linear PSD 2Th angular range (°)	3.3
FDS angle (°)	0.5
Beam spill, sample length (mm)	25.4
Intensity corrected	
Full Axial Convolution	
Filament length (mm)	12
Sample length (mm)	25.4
Receiving Slit length (mm)	12
Primary Sollers (°)	2.5
Secondary Sollers (°)	2.5

hkl Phase - 1 Le Bail method

Phase name	Corindon
R-Bragg	2.222
Spacegroup	r-3c
Cell Volume (Å ³)	254.624(10)
Crystallite Size	
Cry size Lorentzian	820(170)
Cry size Gaussian	1100(400)
k: 1 LVol-IB (nm)	420(70)

Lattice parameters

	SRM 1976a Certificate
a (Å)	4.75775(8) 4.758877(113)
c (Å)	12.9887(2) 12.992877(164)

h	k	l	m	d	Th2	I	
0	1	2	6	3.47918	25.58280	9.49	
1	0	4	6	2.55037	35.15955	82.4	
1	1	0	6	2.37887	37.78671	7.18	
0	0	6	2	2.16479	41.68879	5.7	
1	1	3	12	2.08489	43.36542	49.6	
2	0	2	6	1.96373	46.19078	0.451	
0	2	4	6	1.73959	52.56588	42.3	
1	1	6	12	1.60108	57.51590	219	
2	1	1	12	1.54626	59.75762	1.68	
1	2	2	12	1.51441	61.14750	2.39	
0	1	8	6	1.51055	61.32051	59.2	
2	1	4	12	1.40420	66.53768	44.5	
0	3	0	6	1.37344	68.22940	44.1	
1	2	5	12	1.33570	70.43732	0.55	

30 de marzo de 2017

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