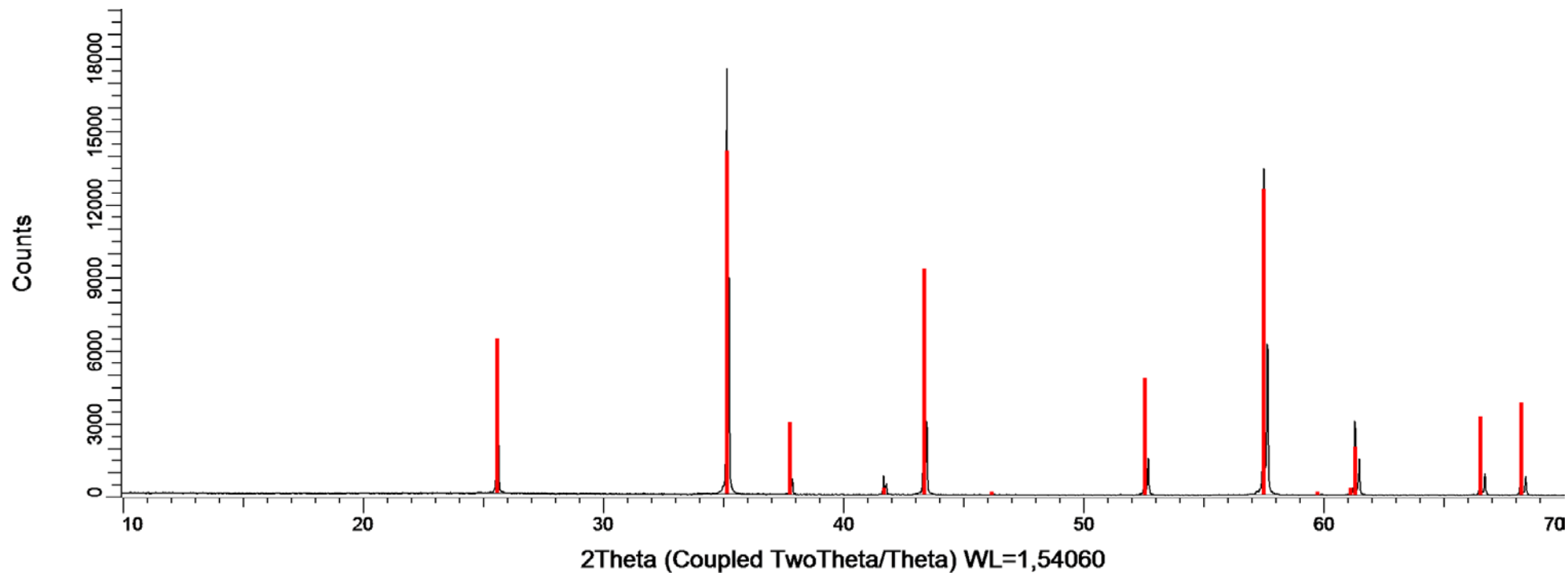


PATRÓN DE CORINDÓN 09-03-16



CORINDON 09-03-16. Barrido tipo Θ - Θ . Rango: 3 a 70 °2 Θ . 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

9 de marzo de 2016

Corindon D8I-90 09-03-16

R-Values

Rwp : 9.62 GOF : 1.37

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	0.296
Spacegroup	r-3c
Cell Volume (Å ³)	254.875(6)

Crystallite Size

Cry size Lorentzian	1110(170)
Cry size Gaussian	760(90)
k: 1 LVol-IB (nm)	410(40)

Lattice parameters

a (Å)	
c (Å)	

SRM 1976a Certificate

4.75924(5)	4.758877(113)
12.99338(13)	12.992877(164)

h	k	l	m	d	Th2	I	—
0	1	2	6	3.48032	25.57432	10.2	
1	0	4	6	2.55124	35.14716	85.7	
1	1	0	6	2.37962	37.77445	7.32	
0	0	6	2	2.16556	41.67311	6.01	
1	1	3	12	2.08557	43.35068	50.7	
2	0	2	6	1.96435	46.17529	0.562	
0	2	4	6	1.74016	52.54743	42.6	
1	1	6	12	1.60163	57.49464	225	
2	1	1	12	1.54675	59.73699	1.88	
1	2	2	12	1.51488	61.12616	2.18	
0	1	8	6	1.51108	61.29654	61.9	
2	1	4	12	1.40465	66.51352	46.3	
0	3	0	6	1.37387	68.20512	44.7	
1	2	5	12	1.33614	70.41103	0.327	

9 de marzo de 2016

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