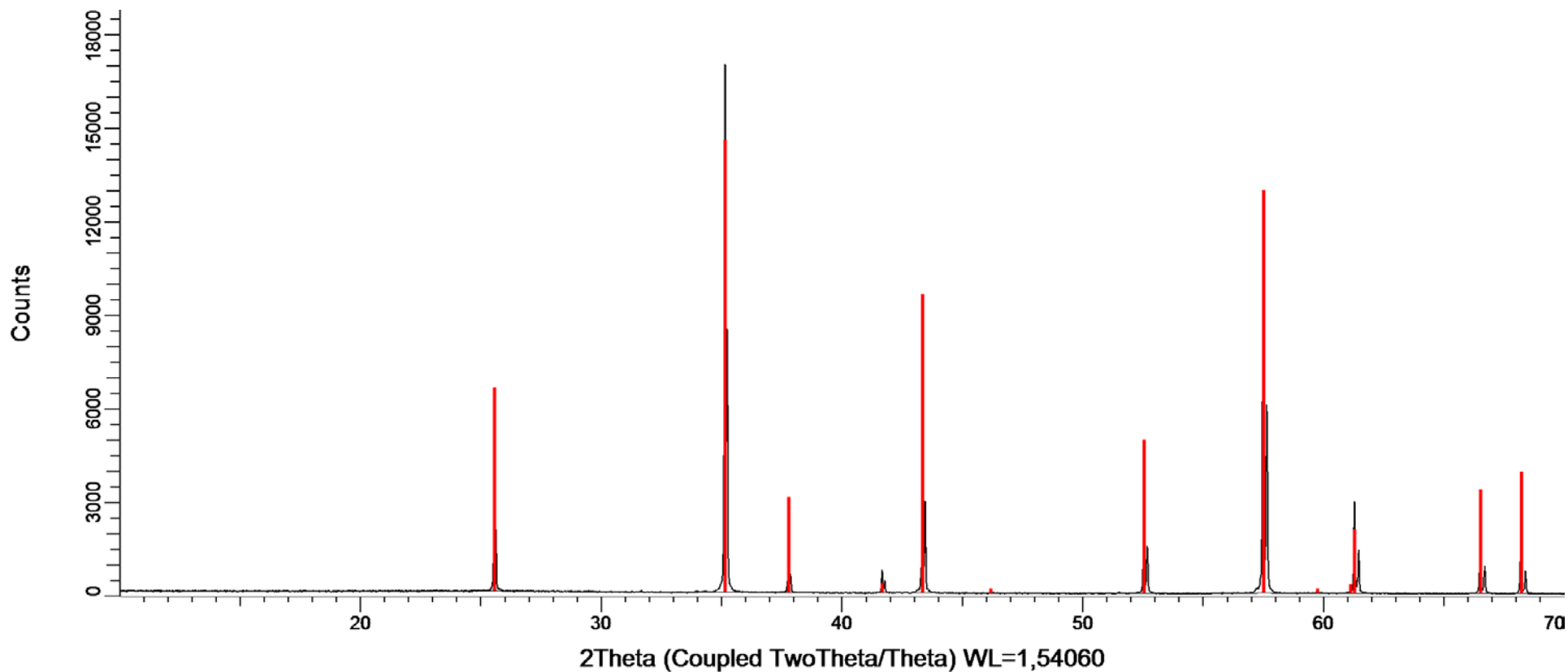


PATRÓN DE CORINDÓN 21-09-15



 CORINDON 21-09-15. 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

21 de septiembre de 2015

Corindon D8I-90 21-09-15

R-Values

R_{exp} : 7.05 R_{wp} : 10.20 R_p : 8.10 GOF : 1.45
R_{exp}` : 11.07      R<sub>wp</sub>` : 16.01 R_p` : 16.97 DW : 1.15

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 0.537
Spacegroup r-3c

Cell Volume (Å³) 254.8650(39)

Crystallite Size
Cry size Lorentzian (nm) 1130(190)
Cry size Gaussian (nm) 543(49)
k: 1 LVol-IB (nm) 341(28)
k: 0.89 LVol-FWHM (nm) 377(30)

Lattice parameters

a (Å) 4.759146(33) **4.758877(113)**
c (Å) 12.993357(92) **12.992877(164)**

SRM 1976a Certificate

h	k	l	m	d	Th2	I	—
0	1	2	6	3.48027	25.57469	9.86	
1	0	4	6	2.55122	35.14746	83.7	
1	1	0	6	2.37957	37.77520	7.21	
0	0	6	2	2.16556	41.67318	5.59	
1	1	3	12	2.08554	43.35137	48.9	
2	0	2	6	1.96432	46.17615	0.498	
0	2	4	6	1.74013	52.54823	42.5	

21 de septiembre de 2015

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