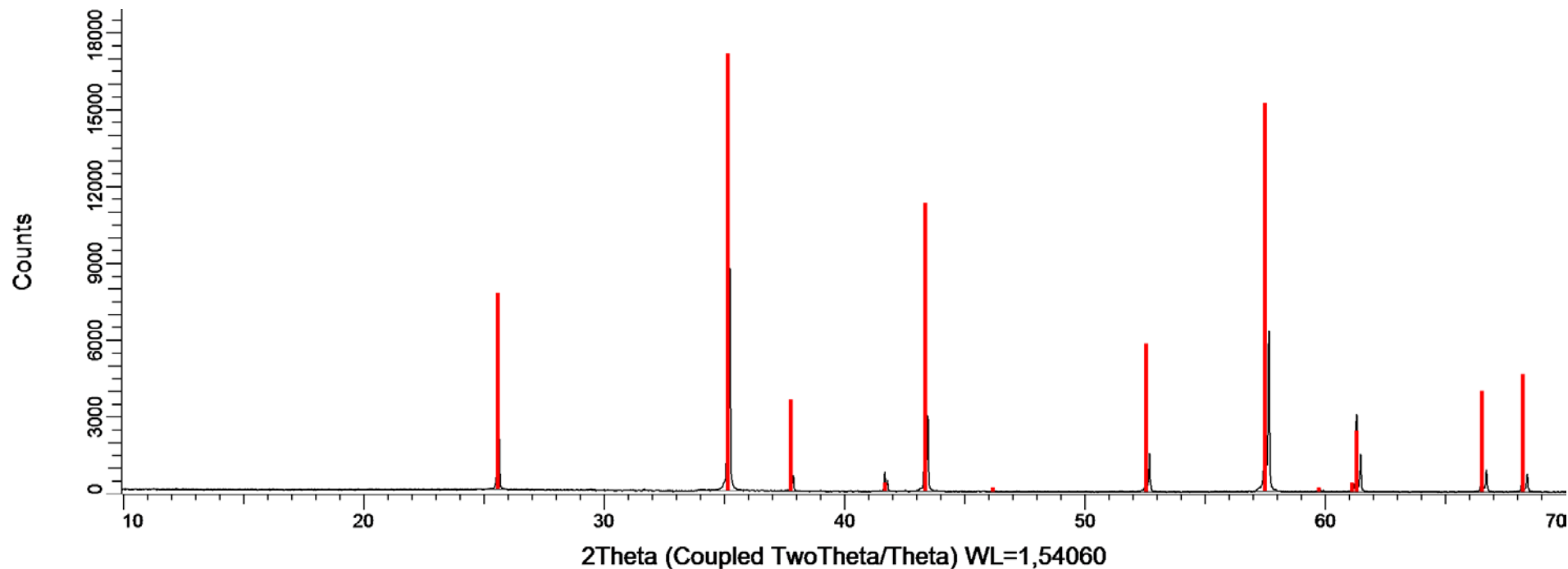


PATRÓN DE CORINDÓN 11-11-16



 CORINDON 11-11-16. 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

11 de noviembre de 2016

Corindon D8I-90 11-11-16

R-Values

Rwp : 10.45 GOF : 1.49

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	0.528
Spacegroup	r-3c
Cell Volume (Å ³)	254.828(6)
Crystallite Size	
Cry size Lorentzian	1090(190)
Cry size Gaussian	660(80)
k: 1 LVol-IB (nm)	380(40)

Lattice parameters

a (Å)
c (Å)

SRM 1976a Certificate

4.75896(5) 4.758877(113)
12.99247(13) 12.992877(164)

h	k	l	m	d	Th2	I	
0	1	2	6	3.48010	25.57593	9.97	
1	0	4	6	2.55108	35.14953	84	
1	1	0	6	2.37948	37.77675	7.24	
0	0	6	2	2.16541	41.67616	5.76	
1	1	3	12	2.08544	43.35347	49.4	
2	0	2	6	1.96423	46.17820	0.519	
0	2	4	6	1.74005	52.55093	42	
1	1	6	12	1.60152	57.49871	220	
2	1	1	12	1.54666	59.74086	2.08	
1	2	2	12	1.51479	61.13017	2.43	
0	1	8	6	1.51098	61.30117	60.8	
2	1	4	12	1.40456	66.51808	45.5	
0	3	0	6	1.37379	68.20968	43.8	
1	2	5	12	1.33606	70.41600	0.417	

11 de noviembre de 2016

CITIUS, Tfno. 954559747 - 954559746, Fax. 954559753

Apdo. 1152, 41080 Sevilla, Spain

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