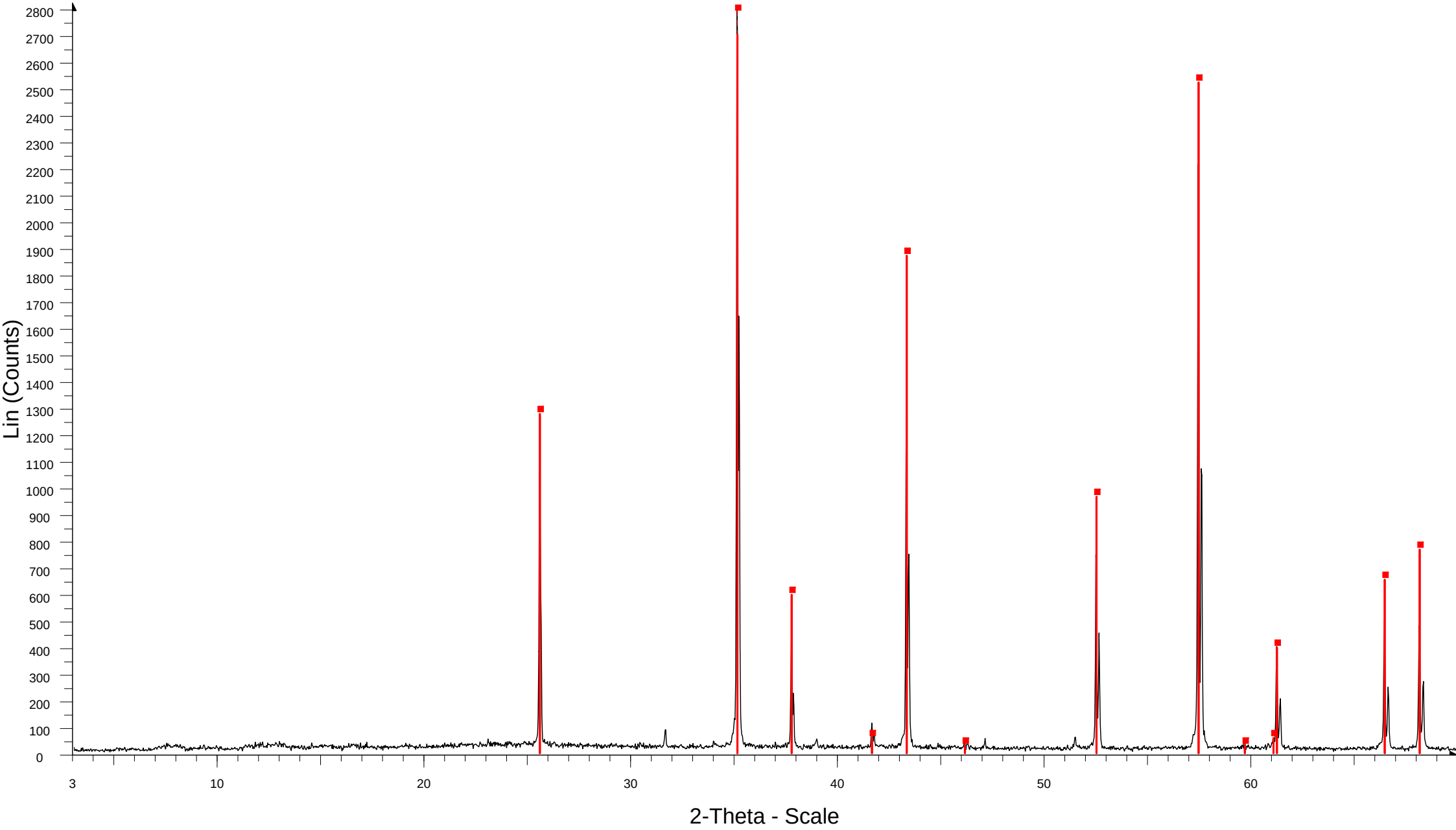
PATRÓN DE CORINDÓN (D8I) 25-09-09



CORINDONCAL(25-9-09) - File: CORINDONCAL(25-9-09).raw - Type: 2Th/Th locked - Start: 3.000 ° - End: 69.990 ° - Step: 0.030 ° - Step time: 1. s - Temp.: 25 °C (Room) - Time Started: 13 s - 2-Theta: 3.000 ° - Theta: 1.500 ° - C
Operations: Import

00-046-1212 (*) - Corundum, syn - Al2O3 - Y: 100.67 % - d x by: 1. - WL: 1.5406 - Rhombo.H.axes - a 4.75870 - b 4.75870 - c 12.99290 - alpha 90.000 - beta 90.000 - gamma 120.000 - Primitive - R-3c (167) - 6 - 254.808 - I/Ic PDF

INFORME DE LA CALIBRACIÓN

Corindon D8I 25-09-09

Range Number : 1

R-Values

Rexp : 15.42 Rwp : 21.22 Rp : 15.87 GOF : 1.38
Rexp`: 22.36 Rwp`: 30.77 Rp` : 27.72 DW : 1.49

Instrument

Primary radius (mm)	217.5
Secondary radius (mm)	217.5
Receiving slit width (mm)	0.2
Divergence angle (°)	0.51
Full Axial Convolution	
Filament Length (mm)	12
Sample Length (mm)	15
Receiving Slit Length (mm)	12
Primary Sollers (°)	2.3
Secondary Sollers (°)	2.3

hkl Phase - 1 Lebail method

Phase name	Corindon	
R-Bragg	1.077	
Spacegroup	r-3c	
Cell Mass	0.000	
Cell Volume (Å^3)	254.9727(66)	
Wt% - Rietveld	0.000	
Strain		
Strain L	0.0040(26)	
Strain G	0.004(10)	
4 e0	0.0016(23)	
Lattice parameters		**SRM 1976a Certificate**
a (Å)	4.759746(51)	**4.758877(113)**
c (Å)	12.99558(19)	**12.992877(164)**

h	k	l	m	d	Th2	I
0	1	2	6	3.48075	25.57108	115
1	0	4	6	2.55162	35.14188	352
1	1	0	6	2.37987	37.77026	47.1
0	0	6	2	2.16593	41.66574	11.1
1	1	3	12	2.08582	43.34516	184
2	0	2	6	1.96457	46.16980	2.62
0	2	4	6	1.74037	52.54038	99.6
1	1	6	12	1.60185	57.48578	313
2	1	1	12	1.54692	59.72991	3.44
1	2	2	12	1.51505	61.11871	4.86
0	1	8	6	1.51132	61.28562	53.9
2	1	4	12	1.40482	66.50462	70.7
0	3	0	6	1.37402	68.19685	74.7
1	2	5	12	1.33630	70.40106	0.0426