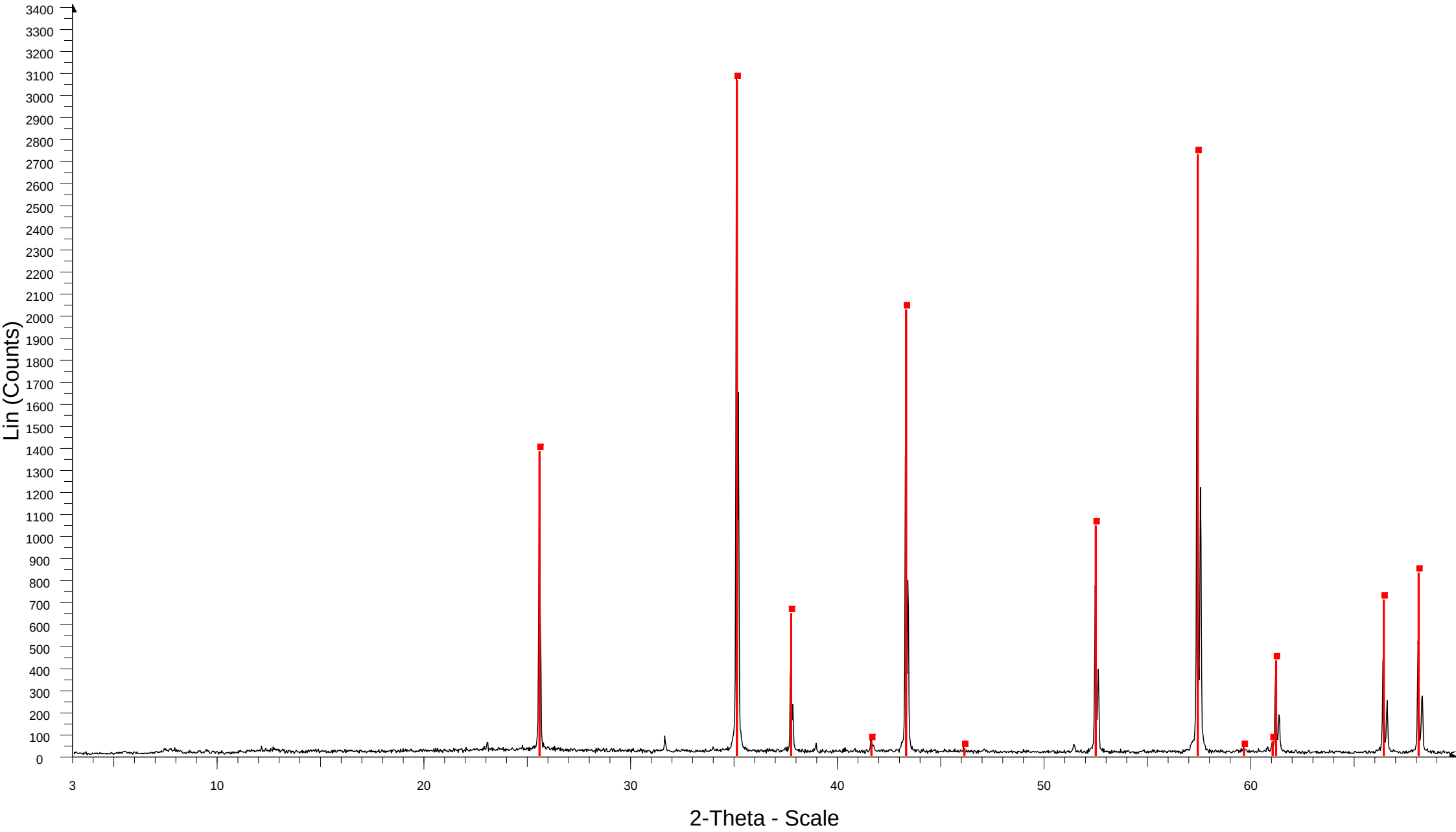
PATRÓN DE CORINDÓN 17-03-09



CORINDONGEN(17-3) - File: CORINDONGEN(17-3).raw - Type: 2Th/Th locked - Start: 3.000 ° - End: 69.990 ° - Step: 0.030 ° - Step time: 1. s - Temp.: 25 °C (Room) - Time Started: 627 s - 2-Theta: 3.000 ° - Theta: 1.500 ° - Chi: 0
Operations: Import

00-046-1212 (*) - Corundum, syn - Al2O3 - Y: 99.00 % - 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 17-3-09

Range Number : 1

R-Values

Rexp : 15.87 Rwp : 21.58 Rp : 15.89 GOF : 1.36
Rexp`: 21.69 Rwp`: 29.50 Rp` : 25.14 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	1.124	
Spacegroup	R-3c	
Cell Mass	0.000	
Cell Volume (Å^3)	255.0708(69)	
Wt% - Rietveld	0.000	
Strain		
Strain L	0.0111(27)	
Strain G	0.000(12)	
4 e0	0.00278(69)	
Lattice parameters		**SRM 1976a Certificate**
a (Å)	4.760257(54)	**4.758877(113)**
c (Å)	12.99778(20)	**12.992877(164)**

h	k	l	m	d	Th2	I
0	1	2	6	3.48119	25.56782	122
1	0	4	6	2.55199	35.13659	351
1	1	0	6	2.38013	37.76605	48.5
0	0	6	2	2.16630	41.65833	8.43
1	1	3	12	2.08608	43.33961	185
2	0	2	6	1.96479	46.16427	1.72
0	2	4	6	1.74059	52.53329	101
1	1	6	12	1.60208	57.47688	343
2	1	1	12	1.54708	59.72278	3.46
1	2	2	12	1.51522	61.11121	5.58
0	1	8	6	1.51157	61.27466	51.8
2	1	4	12	1.40498	66.49567	70.4
0	3	0	6	1.37417	68.18851	80.5
1	2	5	12	1.33647	70.39104	73.6