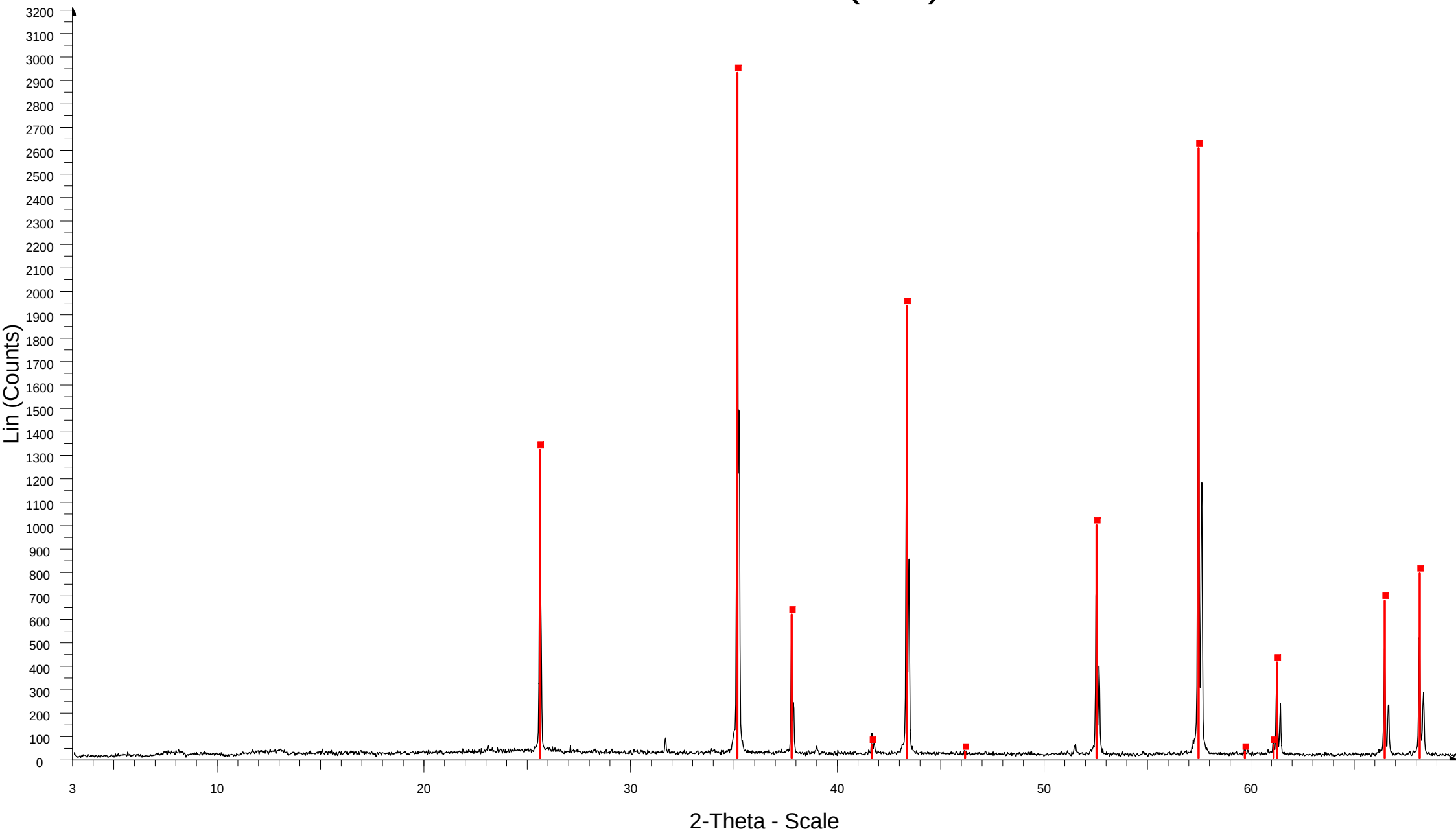


PATRÓN DE CORINDON (D8I) 13-05-09



☐ CORINDON STD 13-05-09 - File: CORINDON STD 13-05-09.raw - Type: 2Th/Th locked - Start: 3.000 ° - End: 69.990 ° - Step: 0.030 ° - Step time: 1. s - Temp.: 25 °C (Room) - Time Started: 14 s - 2-Theta: 3.000 ° - Theta: 1.500 °
Operations: Import

☐ 00-046-1212 (*) - Corundum, syn - Al₂O₃ - Y: 120.00 % - 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 13-05-09

Range Number : 1

R-Values

Rexp : 15.30 Rwp : 20.99 Rp : 15.60 GOF : 1.37
Rexp` : 21.05 Rwp` : 28.87 Rp` : 25.22 DW : 1.41

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 0.894
Spacegroup r-3c
Cell Mass 0.000
Cell Volume (Å³) 254.9093(65)
Wt% - Rietveld 0.000
Strain
Strain L 0.0013(24)
Strain G 0.000(10)
4 e0 0.00032(79)
Lattice parameters
a (Å) 4.759392(51) **SRM 1976a Certificate 4.758877(113)**
c (Å) 12.99427(18) **12.992877(164)**

h	k	l	m	d	Th2	I	
0	1	2	6	3.48046	25.57320	118	=
1	0	4	6	2.55138	35.14516	354	
1	1	0	6	2.37970	37.77318	53.8	
0	0	6	2	2.16571	41.67011	10.5	
1	1	3	12	2.08565	43.34882	196	
2	0	2	6	1.96442	46.17354	1.46	
0	2	4	6	1.74023	52.54500	102	
1	1	6	12	1.60171	57.49134	332	
2	1	1	12	1.54680	59.73482	4.13	
1	2	2	12	1.51494	61.12383	6.29	
0	1	8	6	1.51118	61.29219	51.6	
2	1	4	12	1.40470	66.51057	64.8	
0	3	0	6	1.37392	68.20261	82.1	
1	2	5	12	1.33619	70.40762	17.3	