**Fantastic report on**

**Documento1**



**Distribution:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Function** | **0.1** | **0.5** | **1.0** |
| N.N.-999 | Masterking Group Manager (MGM) | ✓ |  |  |
| N.N.-998 | Product Ontwikkelt Manager (POM) | ✓ |  |  |
| N.N.-1 | (AS) |  |  | ✓ |
| N.N.-2 | (DS) |  |  | ✓ |
| N.N.-3 | (BS) |  |  | ✓ |
| T.P. | Supervisor All Coding |  |  | ✓ |

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# Anchor Scan Parameters: (Bookmark1)

Dataset Name filme em\_Si111gonio

File name C:\Users\CloudPc\Desktop\DRx\DRx\_DadosTratados\filme em\_Si111gonio.asc

Raw Data Origin ASCII-2Theta-Intensity (.ASC)

Scan Axis Gonio

Start Position [°2Th.] 20,0350

End Position [°2Th.] 59,9950

Step Size [°2Th.] 0,0300

Scan Step Time [s] 1,0000

Offset [°2Th.] 0,0000

Divergence Slit Type Fixed

Divergence Slit Size [°] 1,0000

Specimen Length [mm] 10,00

Receiving Slit Size [mm] 0,1000

Measurement Temperature [°C] 25,00

Anode Material Cu

K-Alpha1 [Å] 1,54060

K-Alpha2 [Å] 1,54443

K-Beta [Å] 1,39225

K-A2 / K-A1 Ratio 0,50000

Generator Settings 0 mA, 0 kV

Goniometer Radius [mm] 240,00

Dist. Focus-Diverg. Slit [mm] 91,00

Incident Beam Monochromator No

Spinning No

# Graphics: (Bookmark2)



# Peak List: (Bookmark 3)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Pos. [°2Th.] | Height [cts] | FWHM [°2Th.] | d-spacing [Å] | Rel. Int. [%] | Tip width [°2Th.] | Matched by |
| 25,6323 | 70,76 | 0,2952 | 3,47546 | 0,01 | 0,3542 |  |
| 27,3422 | 1056732,00 | 0,4133 | 3,26187 | 75,24 | 0,4959 | 00-029-0615 |
| 28,4948 | 1404519,00 | 0,1771 | 3,13250 | 100,00 | 0,2125 | 01-075-0590 |
| 45,3955 | 29,31 | 0,3542 | 1,99792 | 0,00 | 0,4251 | 00-029-0615 |
| 53,8147 | 9,30 | 0,3542 | 1,70354 | 0,00 | 0,4251 | 00-029-0615 |
| 56,3589 | 477,27 | 0,1476 | 1,63253 | 0,03 | 0,1771 | 01-075-0590 |
| 58,8315 | 5618,73 | 0,0590 | 1,56968 | 0,40 | 0,0708 | 01-075-0590 |
| 59,0073 | 2930,37 | 0,0720 | 1,56801 | 0,21 | 0,0864 |  |

# Identified Patterns List: (Bookmark4)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Visible | Ref. Code | Score | Compound Name | Displacement [°2Th.] | Scale Factor | Chemical Formula |
| \* | 00-029-0615 | 33 | Gallium Arsenide | 0,000 | 0,441 | Ga As |
| \* | 01-075-0590 | 22 | Silicon | 0,000 | 0,636 | Si |

# Plot of Identified Phases: (Bookmark 5)



# Document History: (Bookmark 6)

Insert Measurement:

- File name = "filme em\_Si111gonio.asc"

- Modification time = "15/12/2022 19:20:06"

- Modification editor = "CloudPc"

Determine Background:

- Correction method = "Automatic"

- Bending factor = "2"

- Use smoothed input data = "Yes"

- Granularity = "25"

- Add to net scan = "Nothing"

- Modification time = "12/12/2022 09:57:21"

- Modification editor = "CloudPc"

Search Peaks:

- Minimum significance = "3,50"

- Minimum tip width = "0,01"

- Maximum tip width = "1,00"

- Peak base width = "2,00"

- Method = "Minimum 2nd derivative"

- Modification time = "15/12/2022 19:20:22"

- Modification editor = "CloudPc"

Search & Match:

- Data source = "Profile and peak list"

- Restriction = "Restriction set"

- Description = "Inorganic subfile only"

- All of: elements = ""

- At least one of: elements = ""

- None of: elements = ""

- Maximum no. of elements = "105"

- Skip marked as deleted by ICDD = "No"

- Skip marked as deleted by a user = "No"

- Skip non ambient pressure = "No"

- Skip non ambient temperature = "No"

- Quality marks set = ""

- Subfiles = "I"

- Scoring schema = "Multi phase"

- Auto residue = "Yes"

- Match intensity = "Yes"

- Demote unmatched strong = "Yes"

- Allow pattern shift = "No"

- Two theta shift = "0"

- Identify = "No"

- Modification time = "15/12/2022 18:43:02"

- Modification editor = "CloudPc"