

13-21

G-1	AC 0101	P / AO / GH
G-2	AC 0102	P / AO / CH
G-3	AC 0103	P / AO / CH
G-4	AC 0104	P / AO / CH
G-5	AC 0105	P / AO / CH
G-6	AC 0106	P / AO / CH
G-7	AC 0107	P / AO / CH
G-8	AC 0108	P / AO / CH
G-9	AC 0109	P / AO / CH
G-10	AC 0110	P / AO / CH

RAYOS X

UNIVERSIDAD DE SALAMANCA	
FACULTAD DE CIENCIAS EXACTAS Y DE LA TIERRA	
Fecha:	
Muestra:	
KV: 34	mA: 24
Anticátodo: Cu	Filtro: Ni
Rendijas: Ventana: 3,6 Contador: 1,2	
Contador:	
Velocidad Goniómetro: 2 °/min.	
Velocidad Carta: 20 mm/min.	
F. Escala: 8 X 10 ³ c.p.s.	TC: 1 s
Atenuación: 16	Amplitud: A. Canal:
Observaciones:	

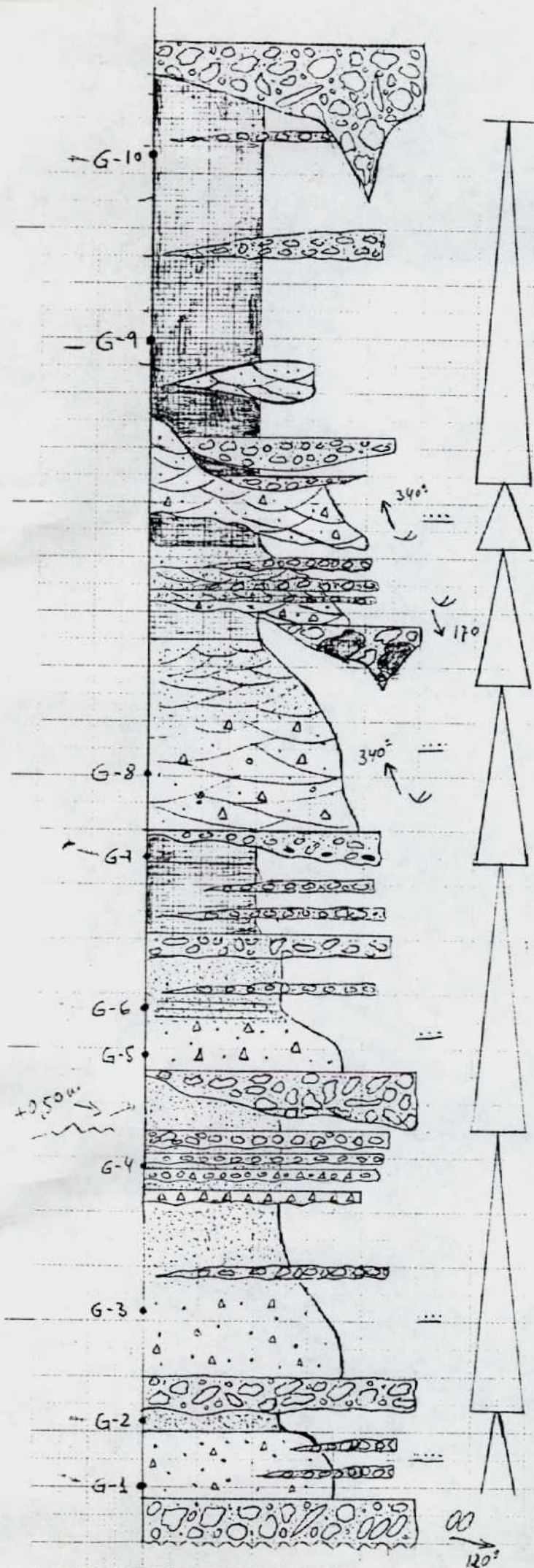
Nota: Los difractogramas expresan en 2° de 2θ con una velocidad de 2°/min y con una velocidad de papel de 2 cm/min; en consecuencia cada cm de papel es 1°.

P → difractograma de roca total
AO → difractograma de arcillas orientadas

CH → difractograma de arcillas tras su calentamiento
RX columnas.

13-21

A. Cowhaus



abandoned

abandoned

canal abandoned

6.4m to 11.4m
depth of canal up to 1.6m

base

canal depth up to 1.6m
1.6m

→ in canal depth

Range = 8×10^3 cps

13-21 G-1

20

0
1
2
3
4
5
6
7
8
9
10

Arcillas {
Sm - Smectitas
Cl - Cloitas
I - Illita o Mica
K - Caolinita
Q - Cuarzo
F - Feldspato

Sm 1/10 Cl
15

I
10

K 3/10 Cl
7.2

Q
3.34

F
3.20

0
1
2
3
4
5
6
7
8
9
10

13-21 G-1

Difractograma de
apagado orientado $< 2 \mu m$.

Sm⁰ - Smectitas
H - Illita
K¹ - Caolinita

Rango = 8×10^3 cps

13-2 Å

G-1

20

Sm
15

H
10

K
7.2

2

3

4

5

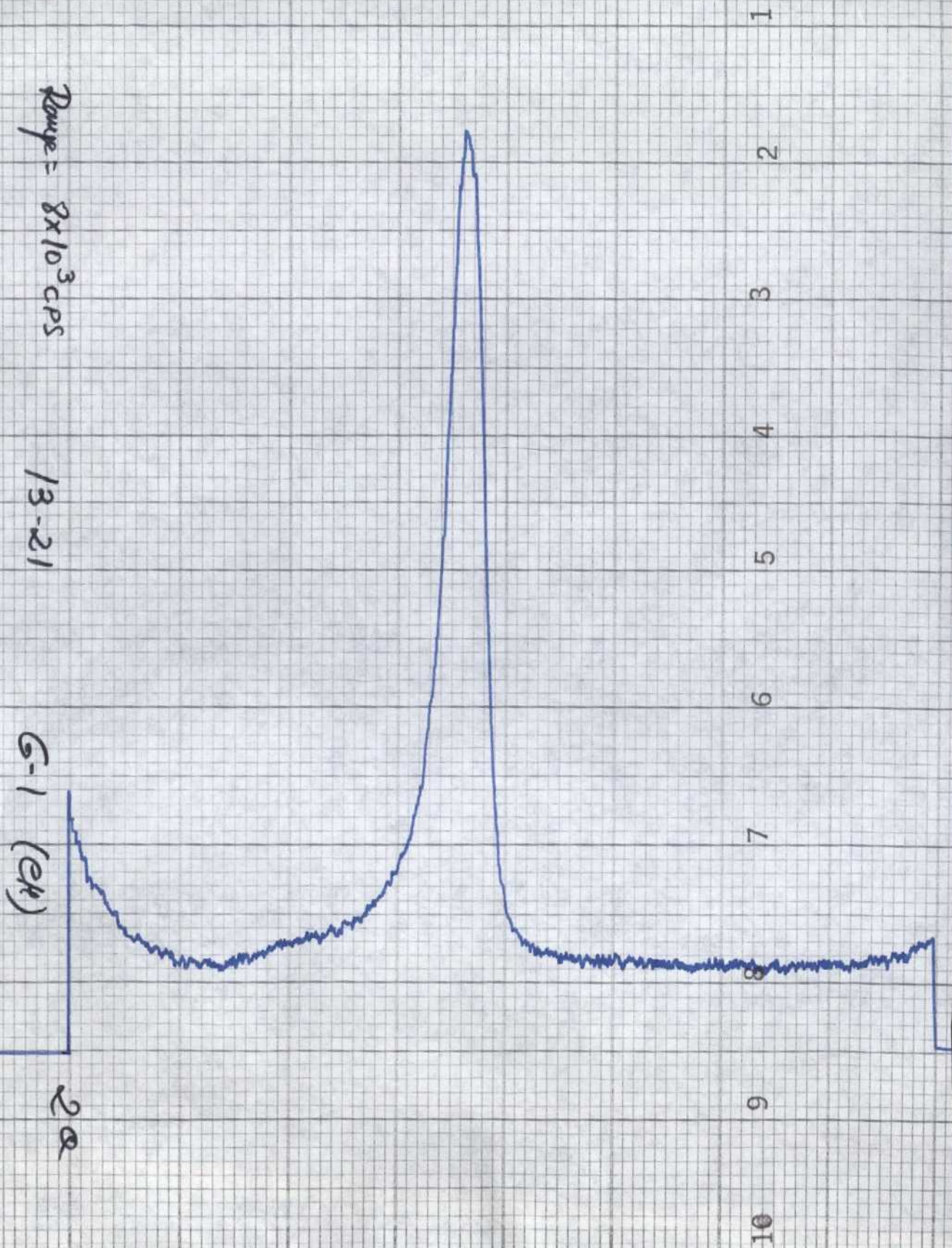
6

8

9

10

Diffractogramma galentado



Arillas {

- Sm - Esmeraldas
- Cl - Claita
- I - Illita o Ica
- K - Paolita

Q - Cuarzo
O - Ortosa
A - Albita

$\lambda_{max} = 8 \times 10^3$ cps

13-21 G-2

20

Sm % Cl
15

I

10

K % Cl

7.2

Q
3,34

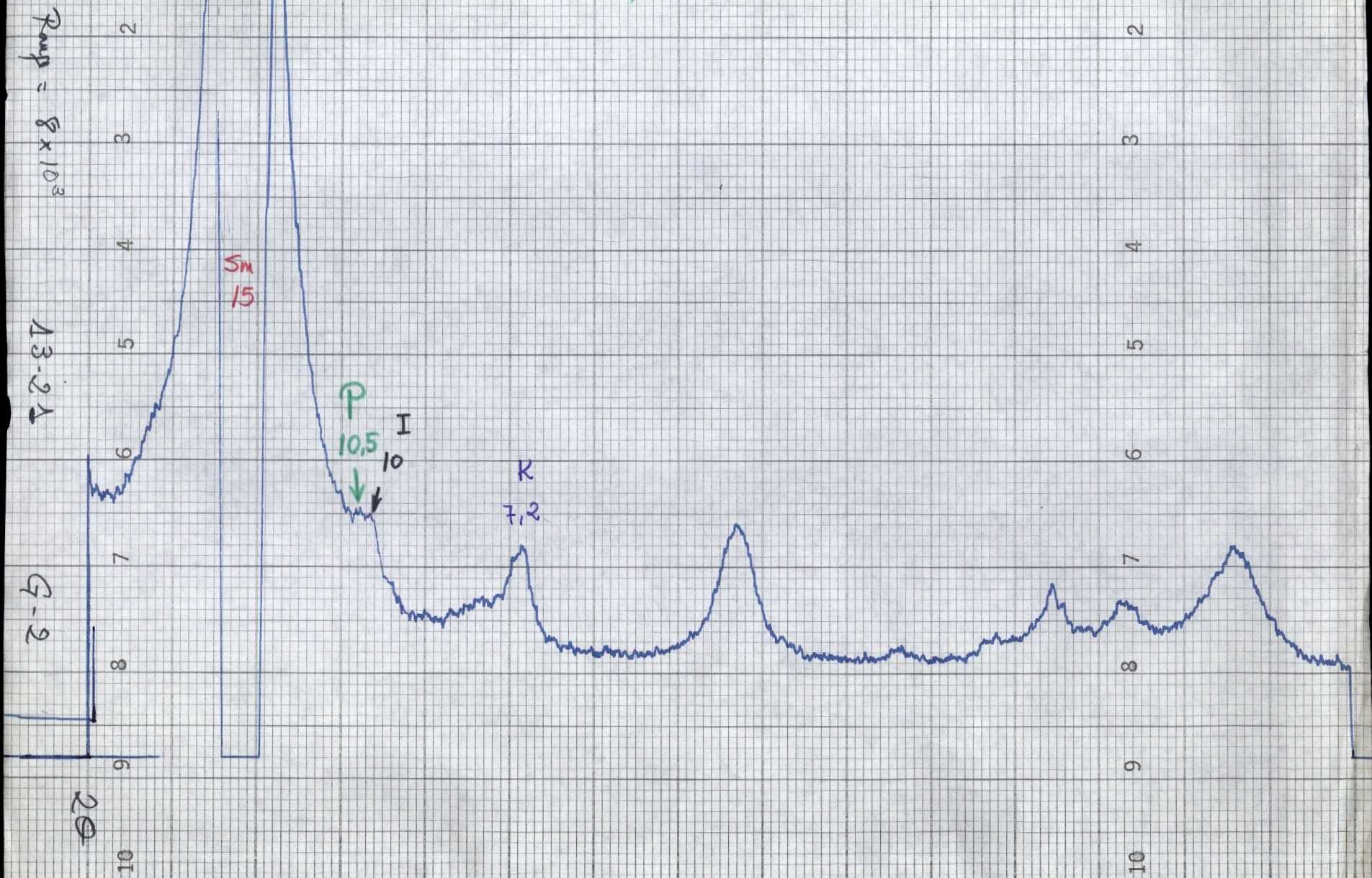
O A
3,24 3,20

13-21

10

Difractograma de
apagado orientado $< 2 \mu m$

Sm - Esmeclitas
I - Illita
K - Caolinita
P - Paligorskita



Difractograma
calentado

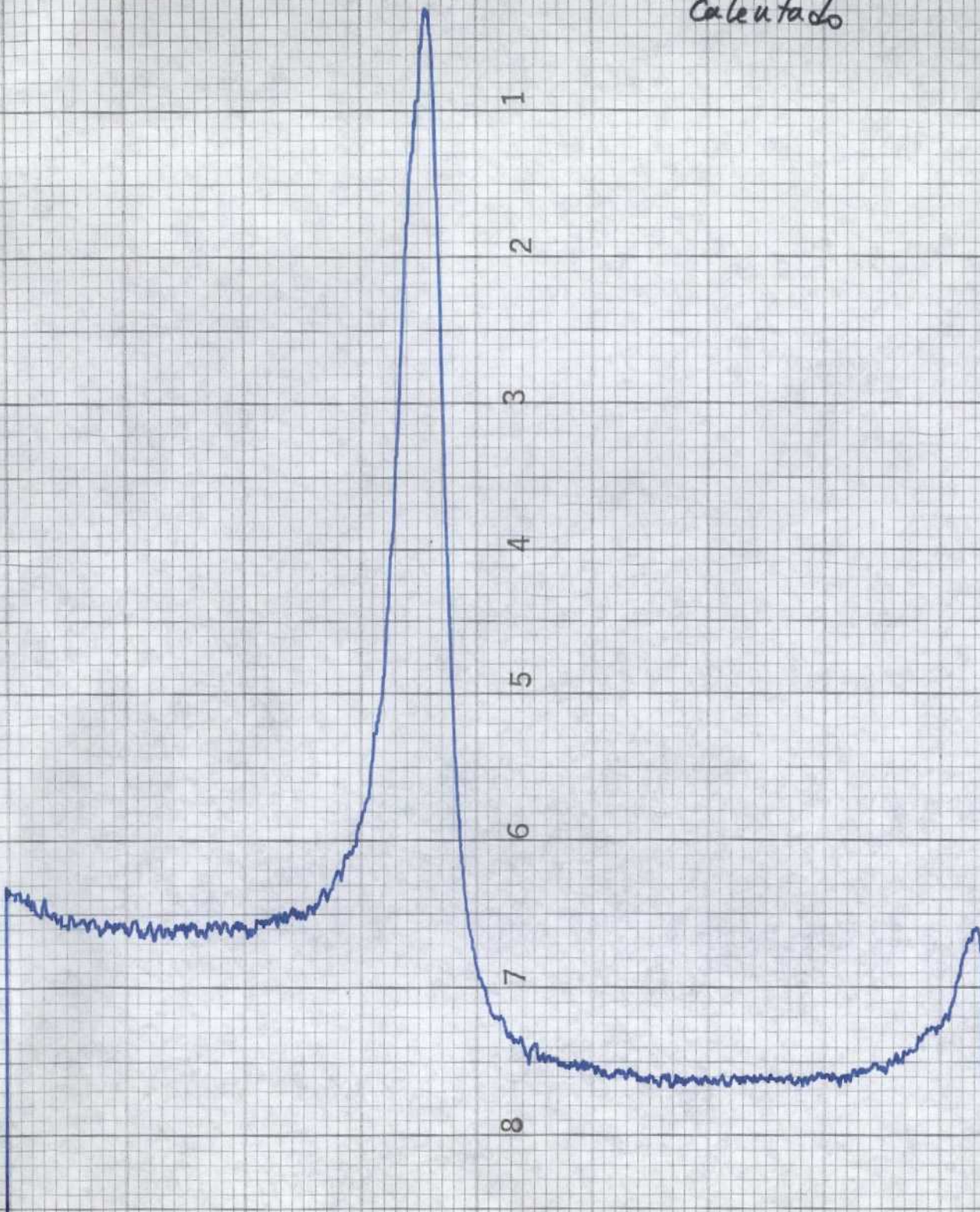
Range = 8×10^3 cps

13-21

G-2 (CH)

20

0
1
2
3
4
5
6
7
8
9
10



Araillas

- Sm — Esmeraldas
- I — Illita o mica
- K — Caolinita
- Q — Cloita
- Q — Cuarzo
- O — Ortosa en trazas.
- A — Albita en trazas

Range = 8×10^3 cps

13-21

G-3

Sm
15

I
10

K 2/3 Q

7.2

Q
3,34

O
3,20

A

3,24

0
1
2
3
4
5
6
7
9
10

13-21

G-3

Apegados orientados
fracción < 2 μ m.

Sm — Esmechitas
I — Illita
K — Caolinita

Range = 8×10^3

13-22

G-8

20

15
Sm.

I
10



K
7.2

0
1
2
3
4
5
6
7
9
10

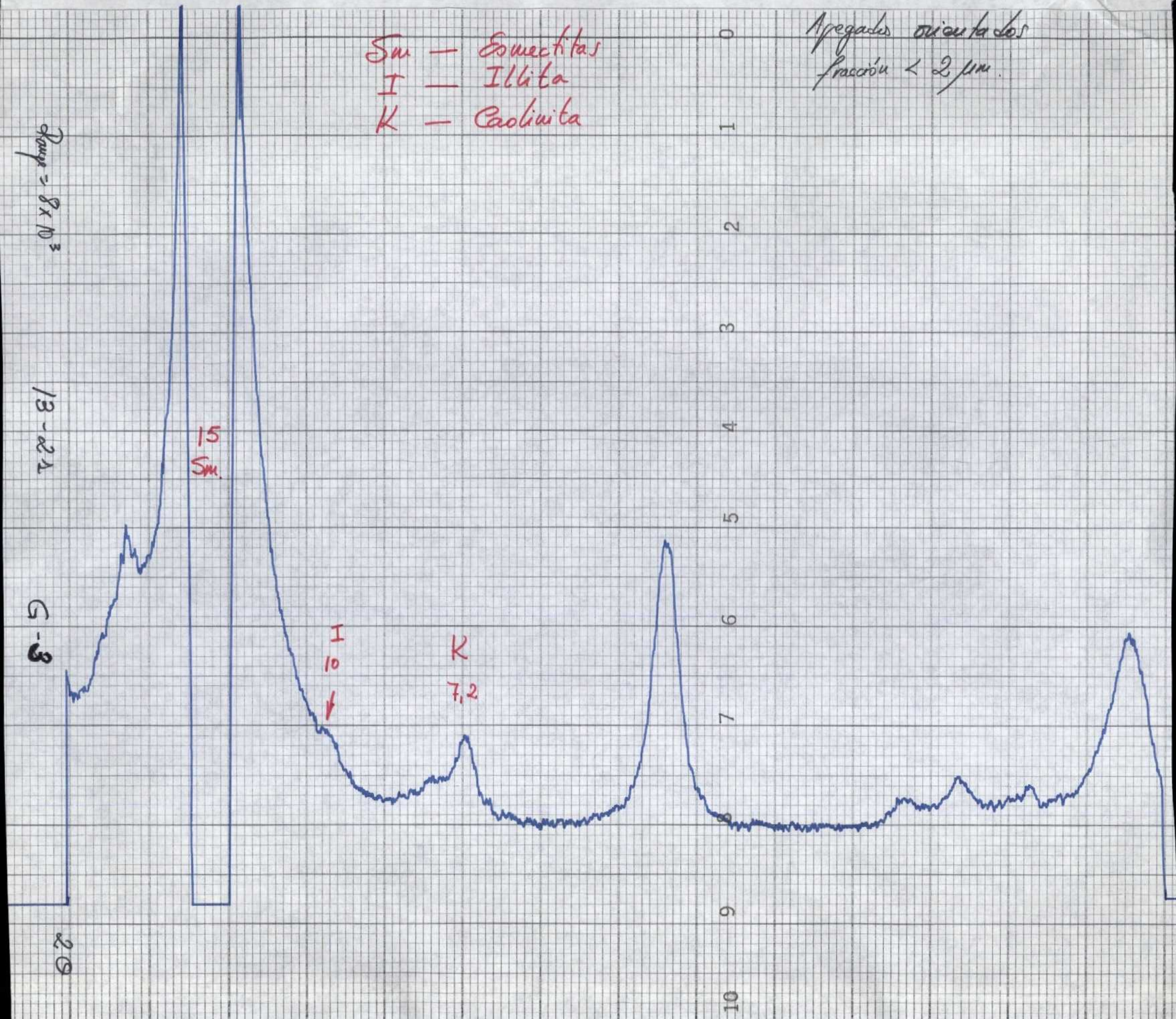


Diagrama de
apoyados calentados

Range = 8×10^3 cps

13-21

G-3 (cm)

20

10 R

0

1

2

3

4

5

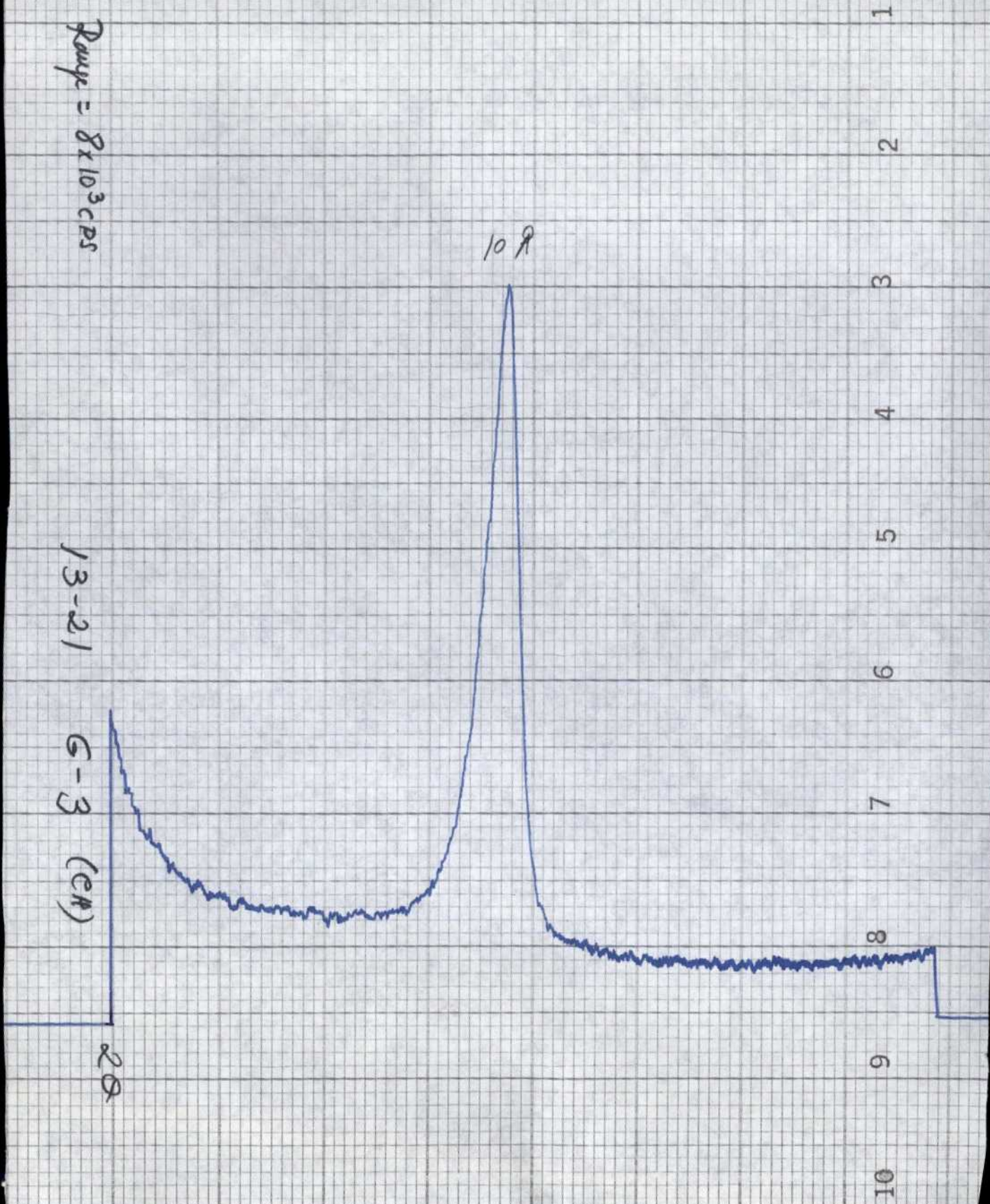
6

7

8

9

10



13-21

G-4

Range = $\times 10^3$ cps

- Arcillas {
- Sm - Smectitas
 - I - Illita o Mica
 - K - Caolinita
 - Cl - Clorita
- Q - Cuarzo
A - Albita

Sm.
15

I
10

K 1/2 Cl
7.2

Q
3, 34

A
3, 20

13-21 G-4

S_m - *Emectitas*
 I - *Illita*
 K - *Caolinita*

Range = 8×10^3 cps.

13-21

G-4

20

15
5m

I
10
4

K
7.2
4

2

3

4

5

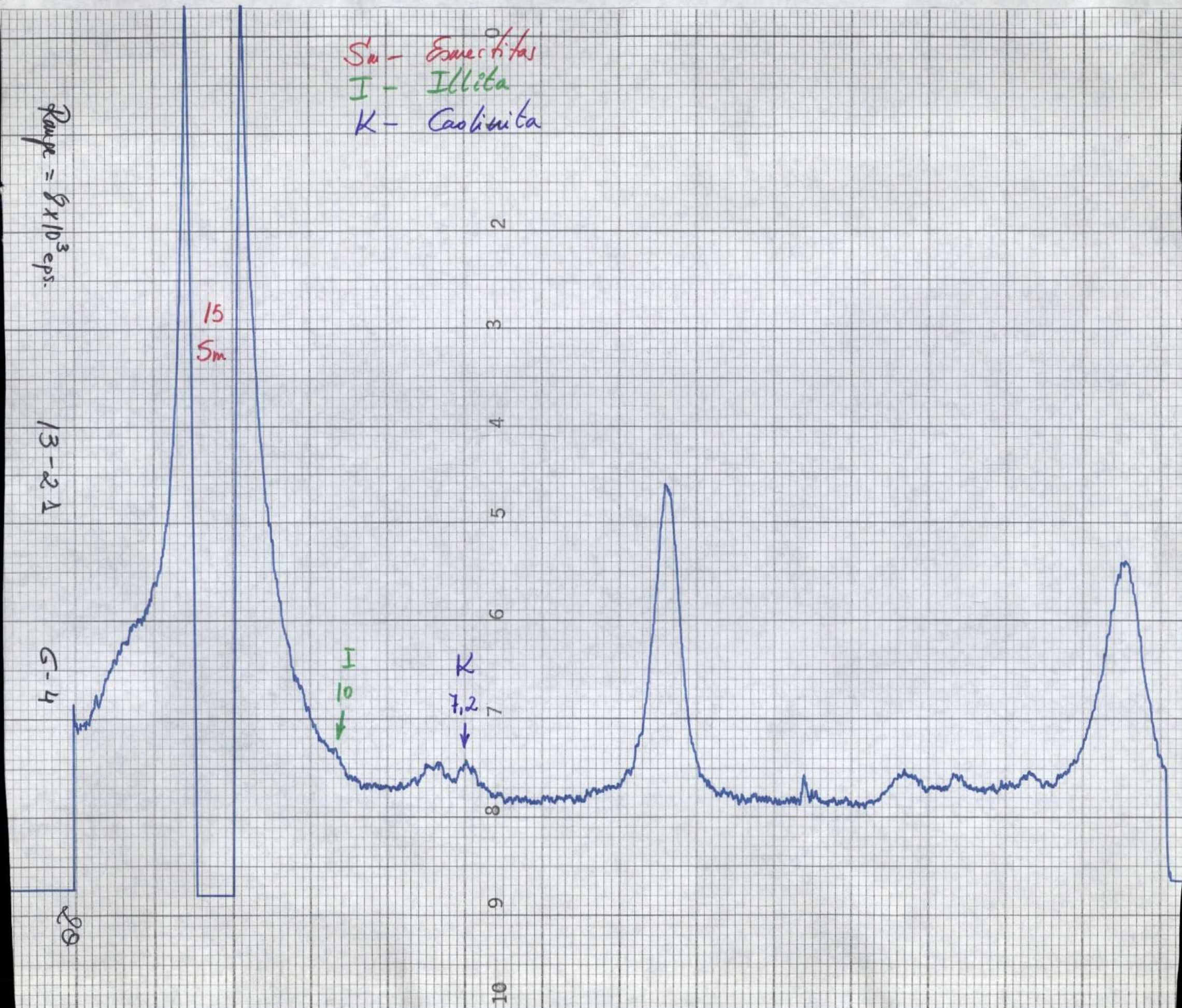
6

7

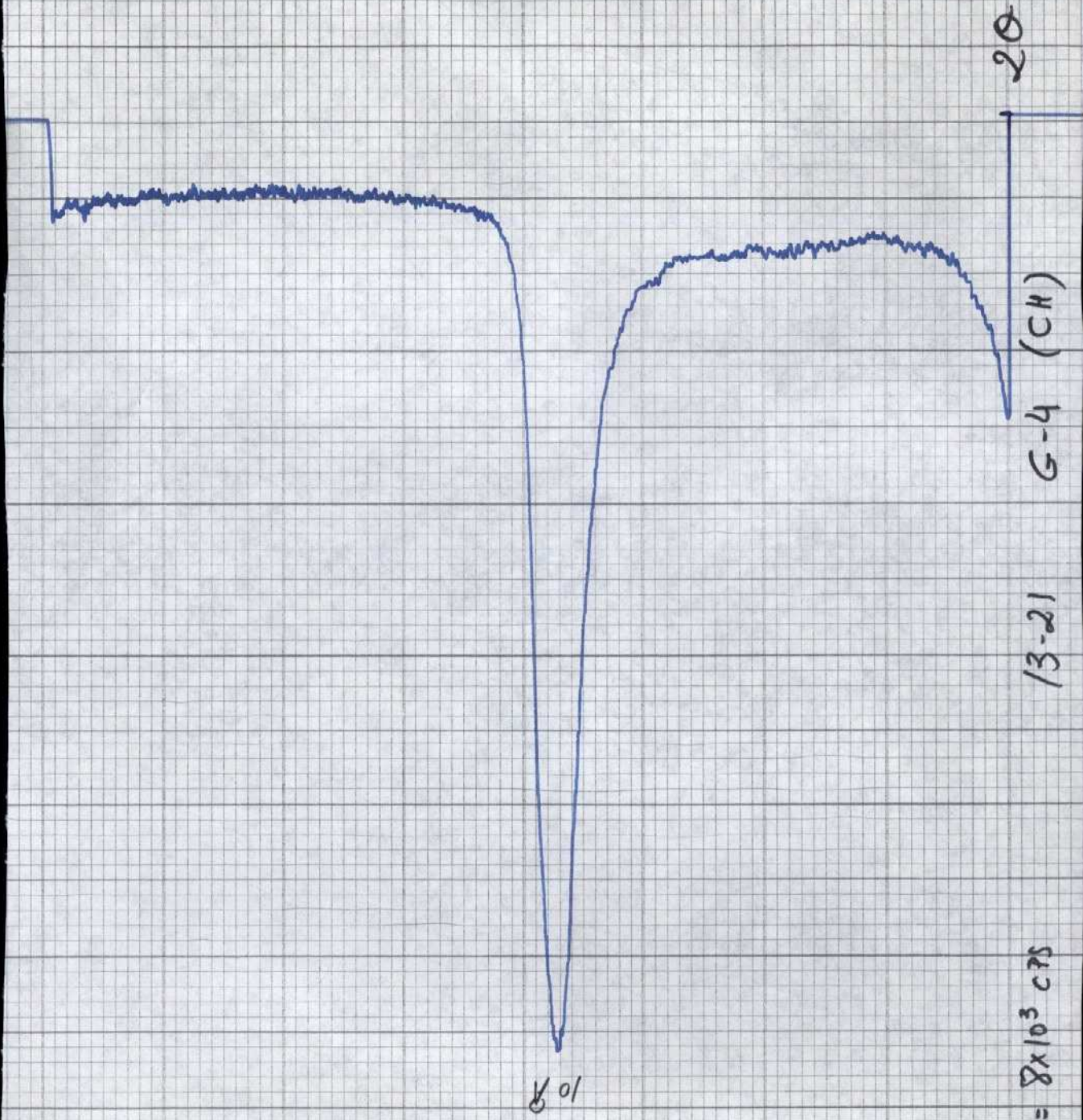
8

9

10



D. Água do caldeiro

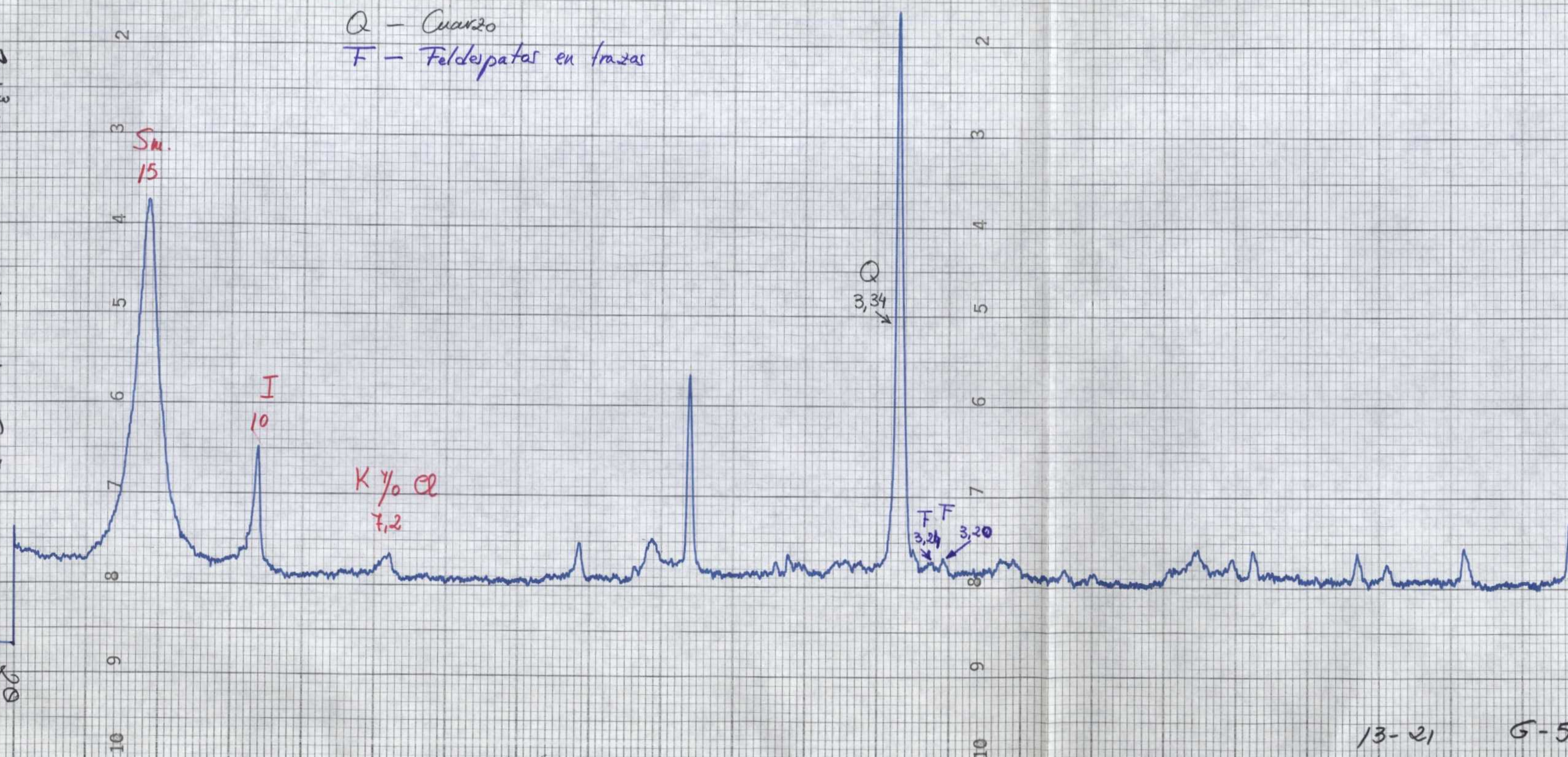


Range = 8×10^3 cps

Arcillas {
 Sm - Esmeraldas
 I - Illita o Mica
 K - Caolinita
 Cl - Clorita
 Q - Cuarzo
 F - Feldespatos en trazas

Range = 8×10^3 cps

13-22 G-5



13-21 G-5

D. Apegadas
orientadas fracción $< 2 \mu m$.

Sm - Esquelita
I - Illita
K - Caolinita

Range = 8×10^3 cps

$1/3 - 2 \mu$

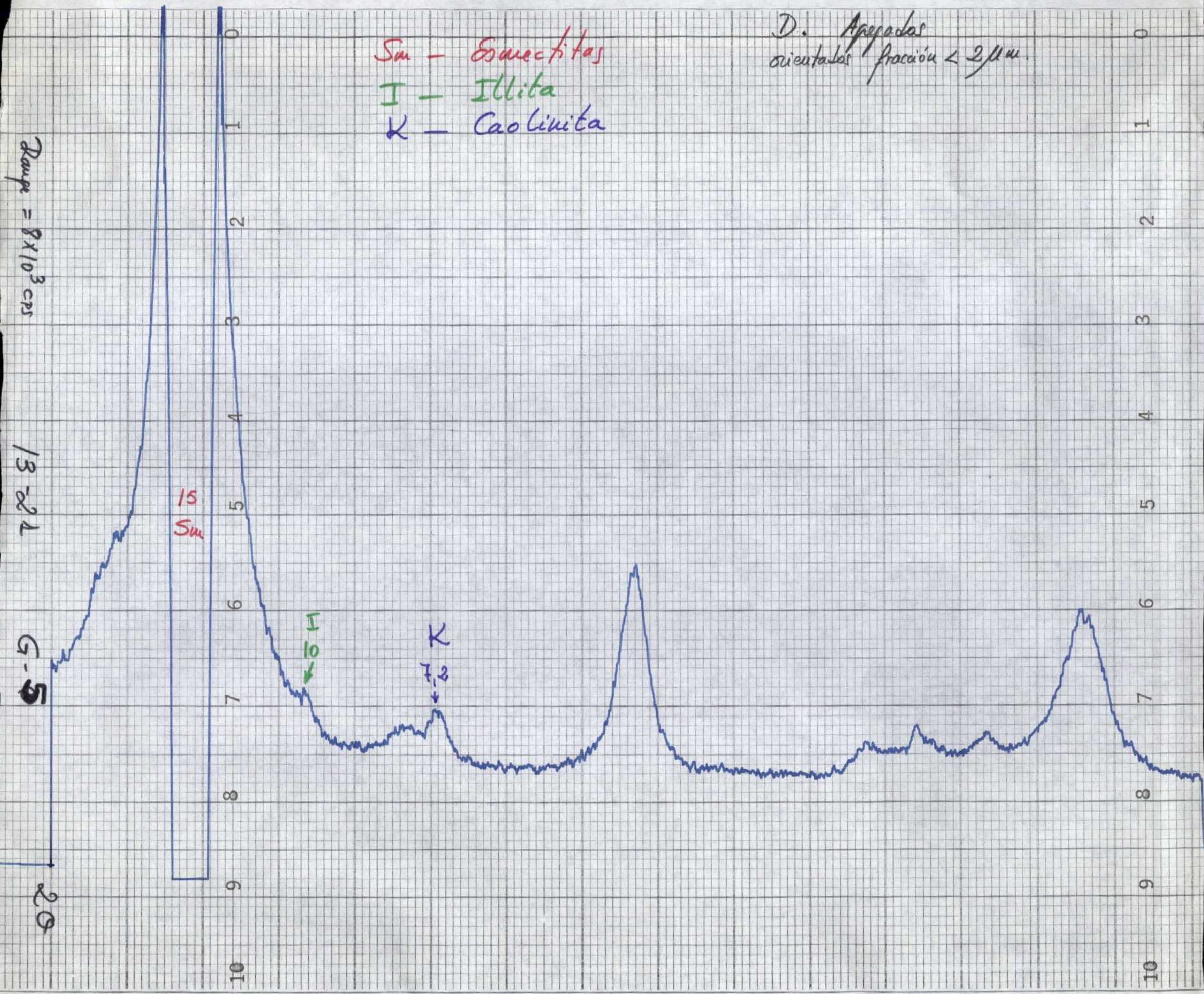
G-5

20

15
Sm

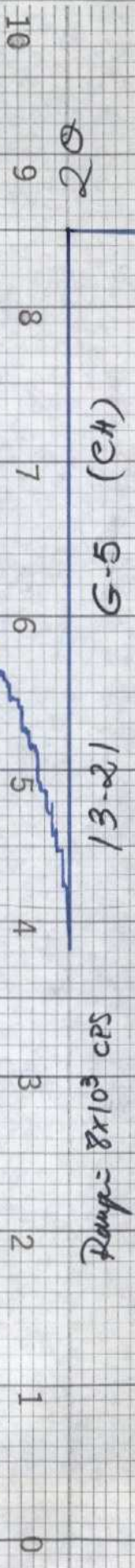
10
I

7.2
K



D. Hagedorn
calculated

108



Range = 8×10^3 cps

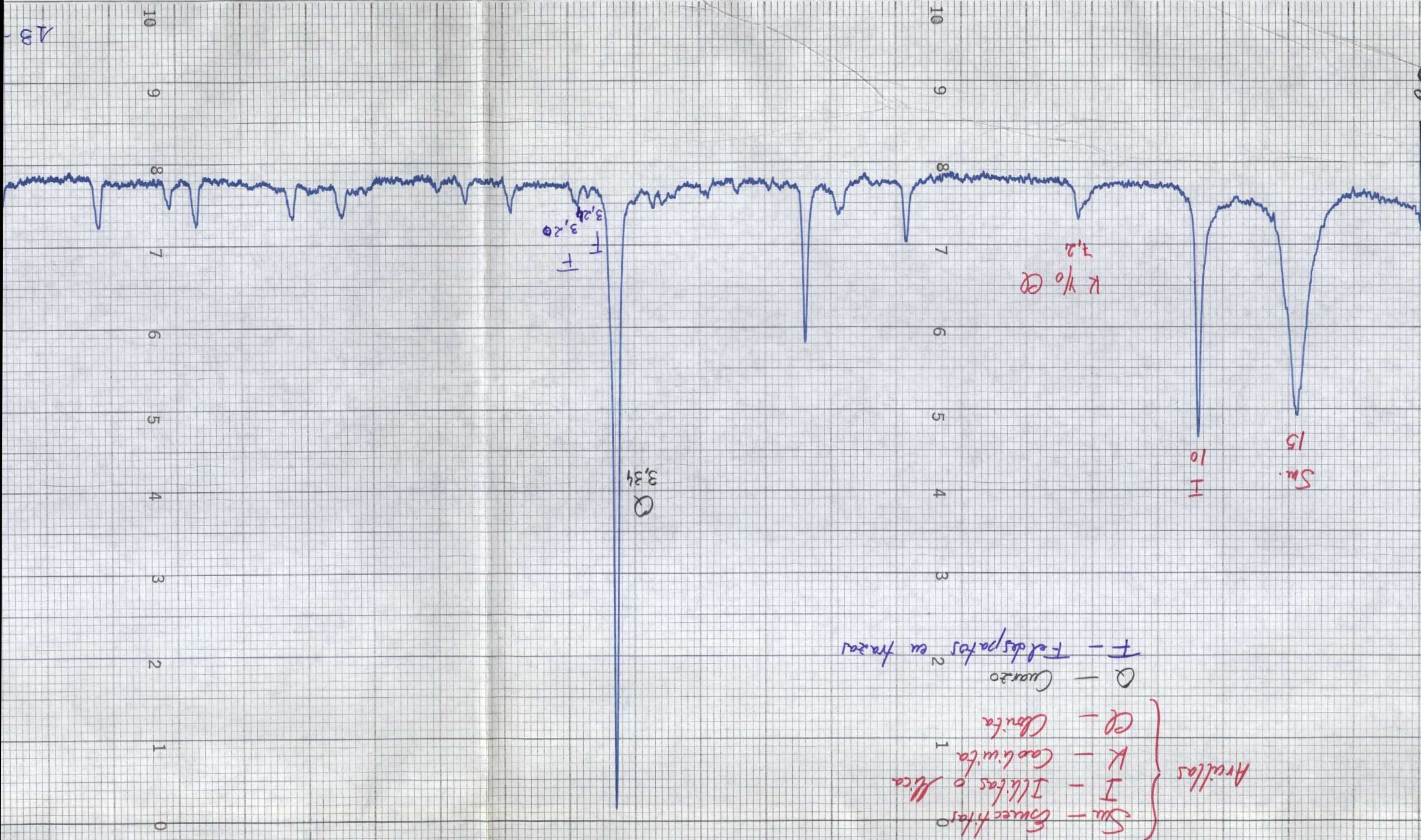
13-2 V

G-6

20

Arquillas {
 Su - Sulfatos
 I - Illitas
 K - Caolinita
 Q - Clonita

Q - Quartz
 F - Feldspatos en fraxas



13

Sm - Smectitas
I - Illita
K - Caolinita

Range = 8×10^3 cps

13-22

G-6

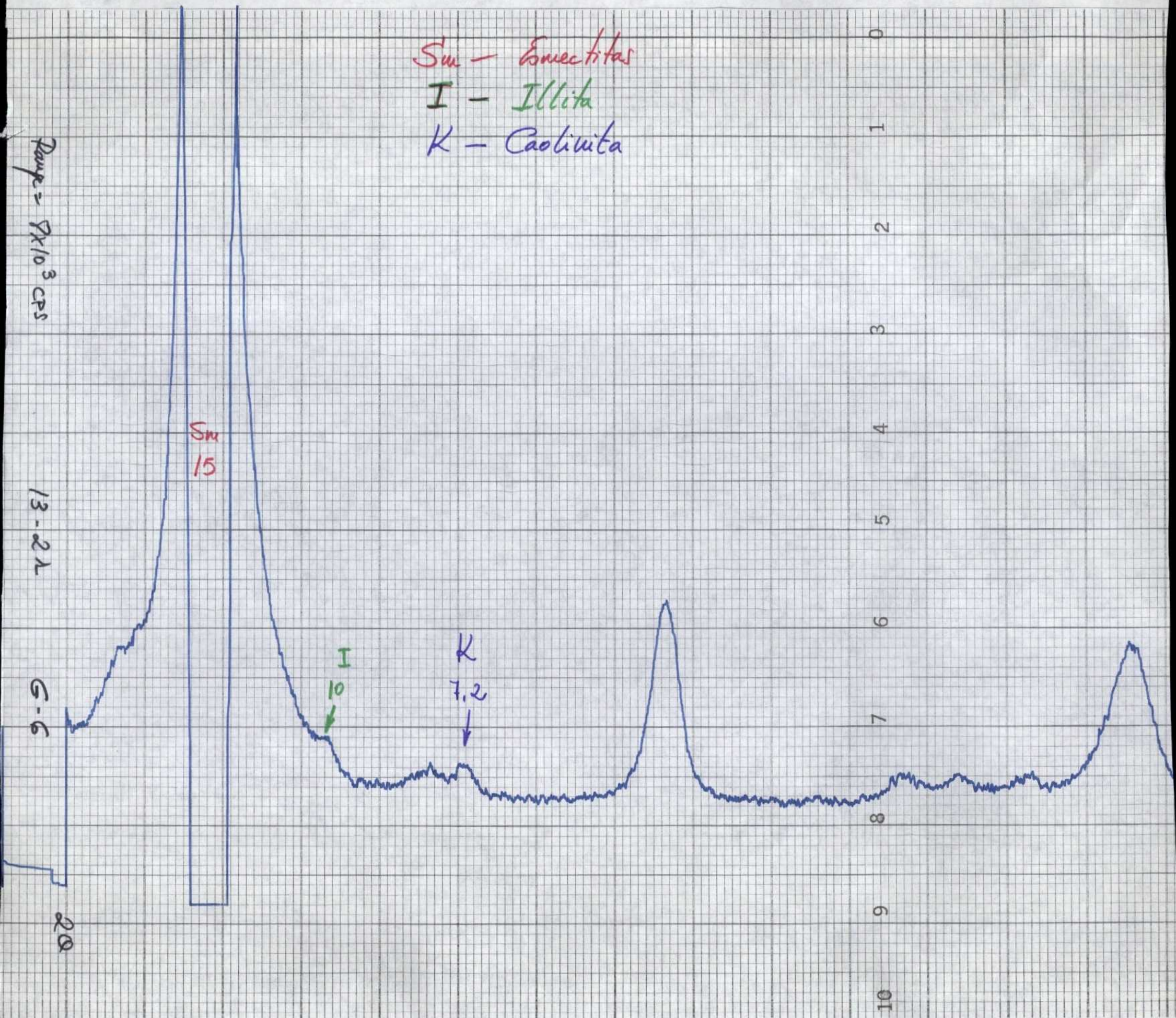
20

Sm
15

I
10

K
7.2

0
1
2
3
4
5
6
7
8
9
10



1. Apogados
causado

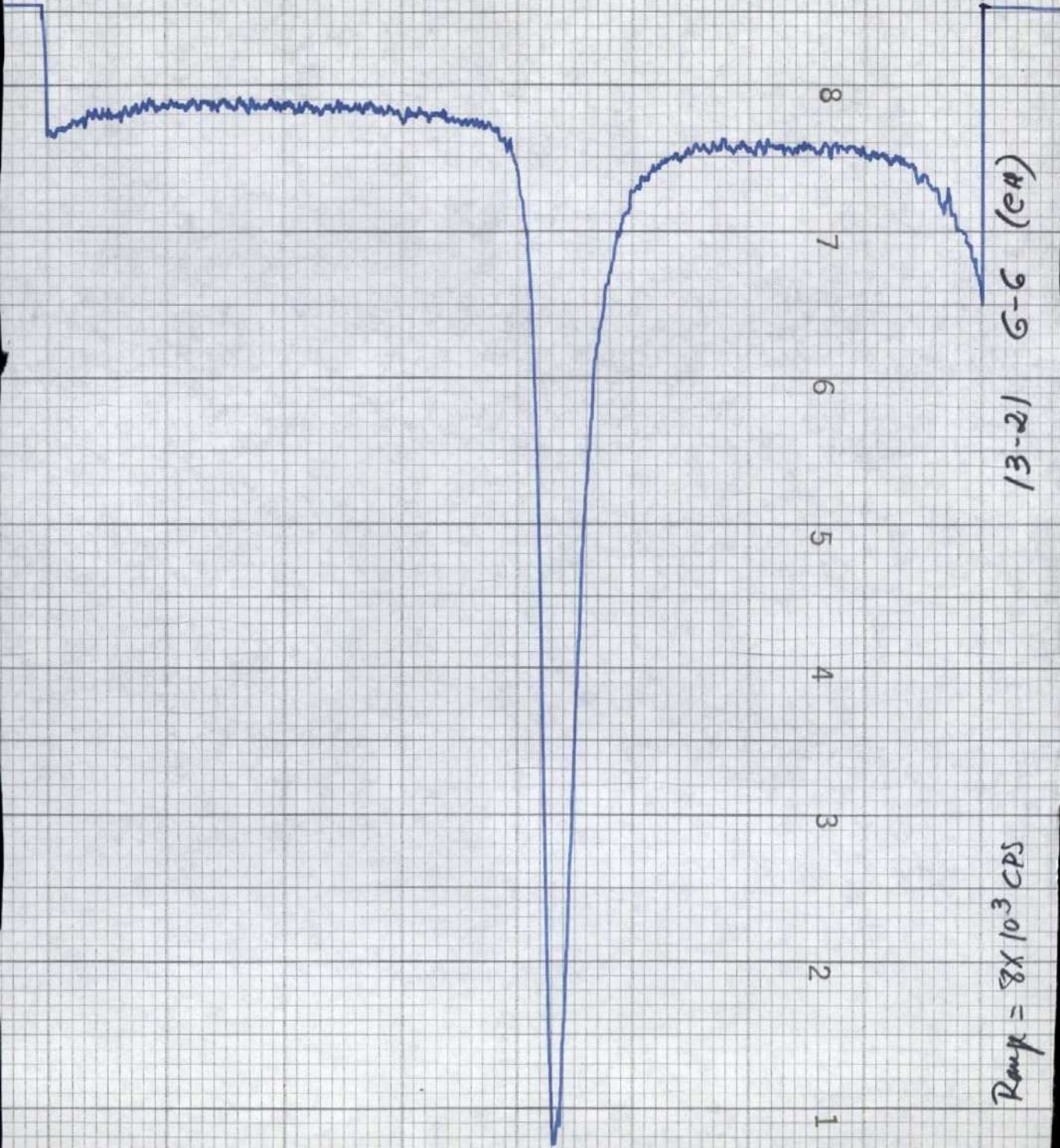
10.8

0 1 2 3 4 5 6 7 8 9 10

Ramp = 8×10^3 CPS

13-21 G-6 (eH)

20



Arcillas {
 Sm - Esmerectitas
 I - Illita o Mica
 K - Caolinita
 Cl - Clorita

Q - Cuarzo

F - Feldespatos en trazas

Ramp = 8×10^3 cps

13-21

6-7

20

Sm
15

I
10

K 1/2 Cl
7.2

Q
3,34

F
3,20

8

9

10

13-21

Diffractograma Aggado
orientado, fracción < 2 μ m

Sm - Esmeralda
I - Illita
K - Kaolinita

Range = 8×10^3 cps

13-21

G-7

20

Sm
15

I
10

K
7.2

0
1
2
3
4
5
6
7
8
9
10

D. agregados
colectado

10 A

0

1

2

3

4

5

6

7

8

9

10

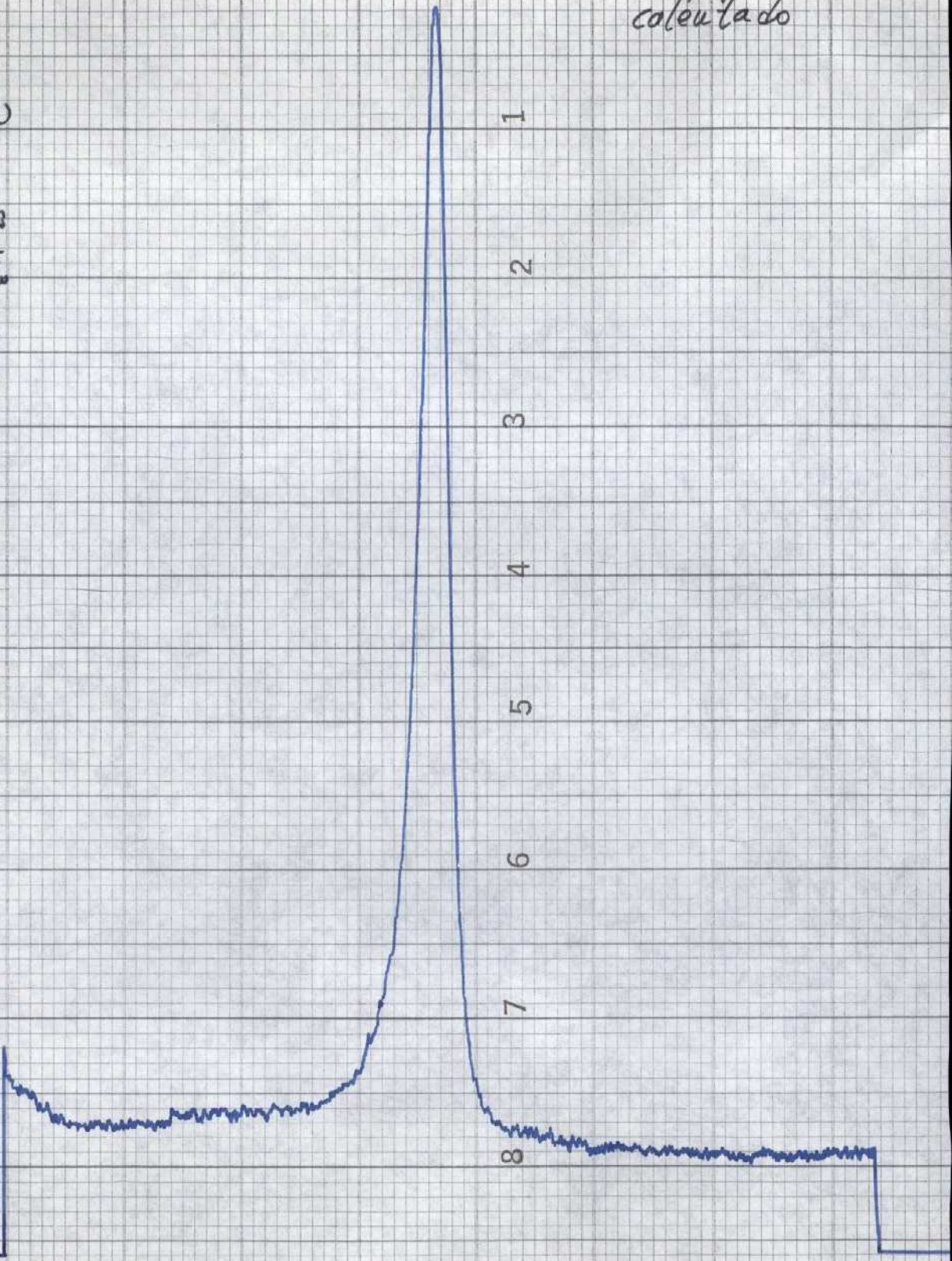
Range = 8×10^3 cps

13-21

G-7

(CH)

20



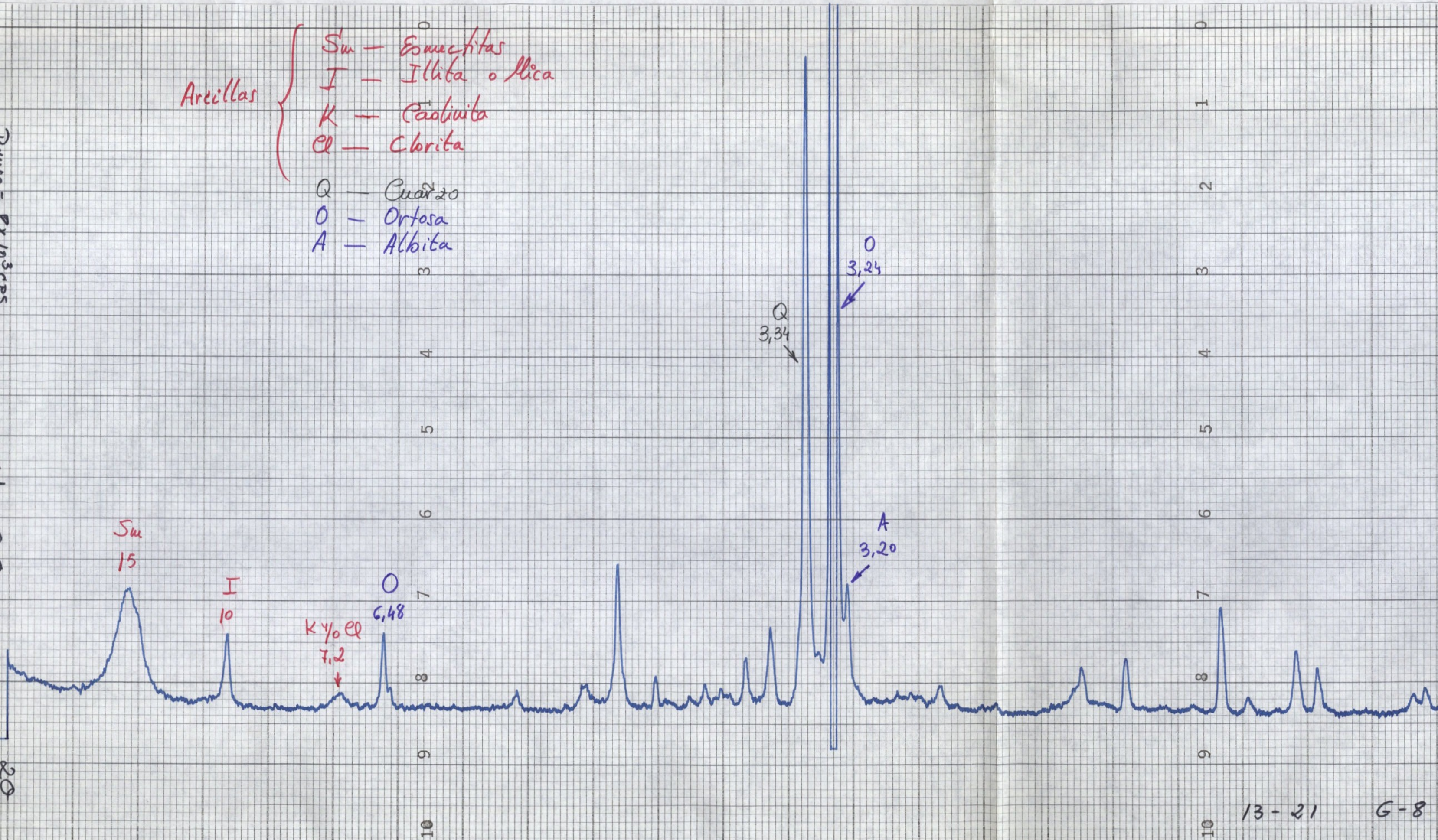
Range = 8×10^3 cps

13-21

G-8

20

Arcillas {
Sm - Esmeraldas
I - Illita o mica
K - Kaolinita
Cl - Clorita
Q - Cuarzo
O - Ortosa
A - Albita



13-21

G-8

D. Apegado orientados
fracción < 2 μ m.

Sm - Smectitas
I - Illita
K - Caolinita

Range = 8×10^3 cps

13-21

G-8

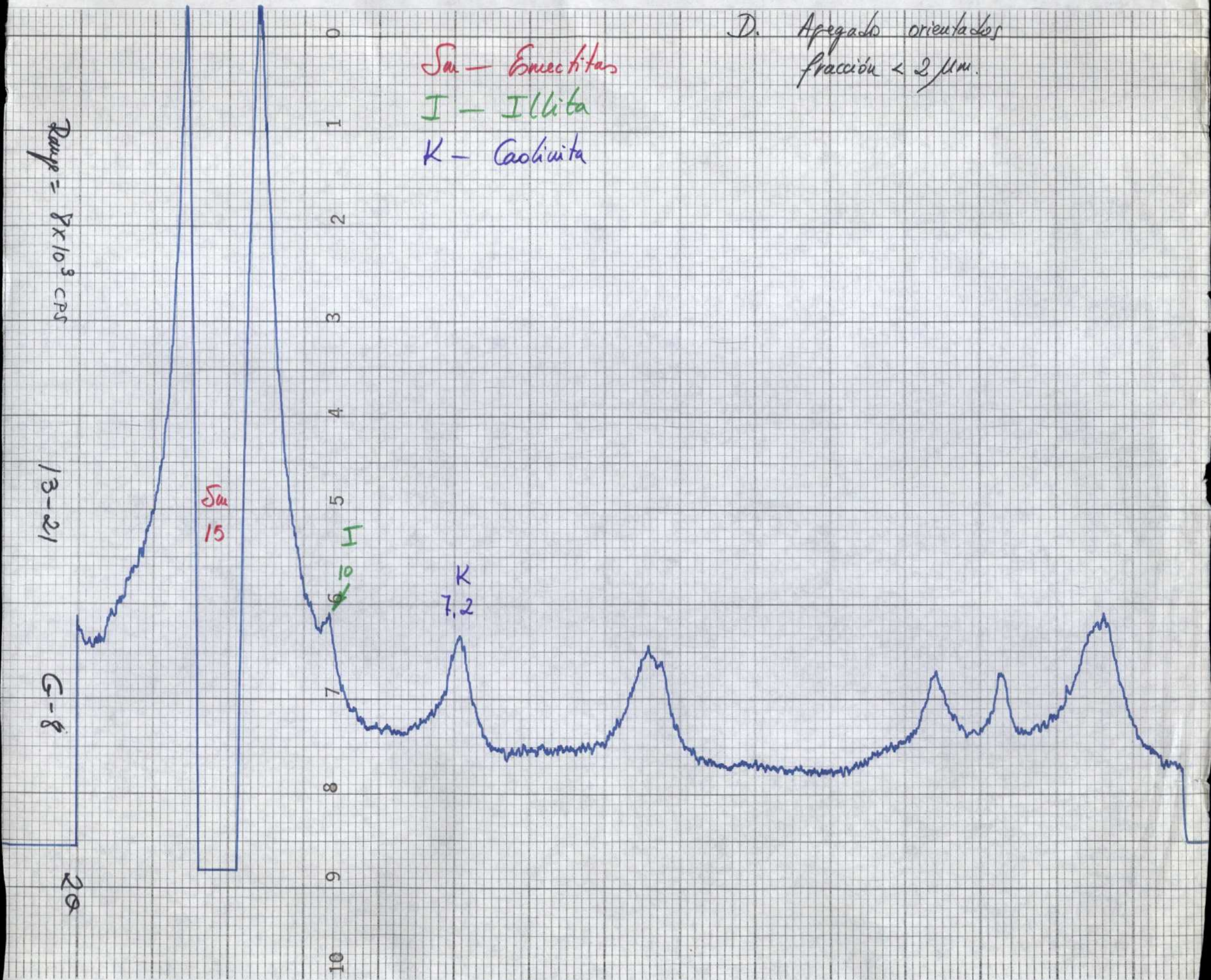
20

Sm
15

I
6.5

K
7.2

0
1
2
3
4
5
6
7
8
9
10



D. Agregado
ca burbado

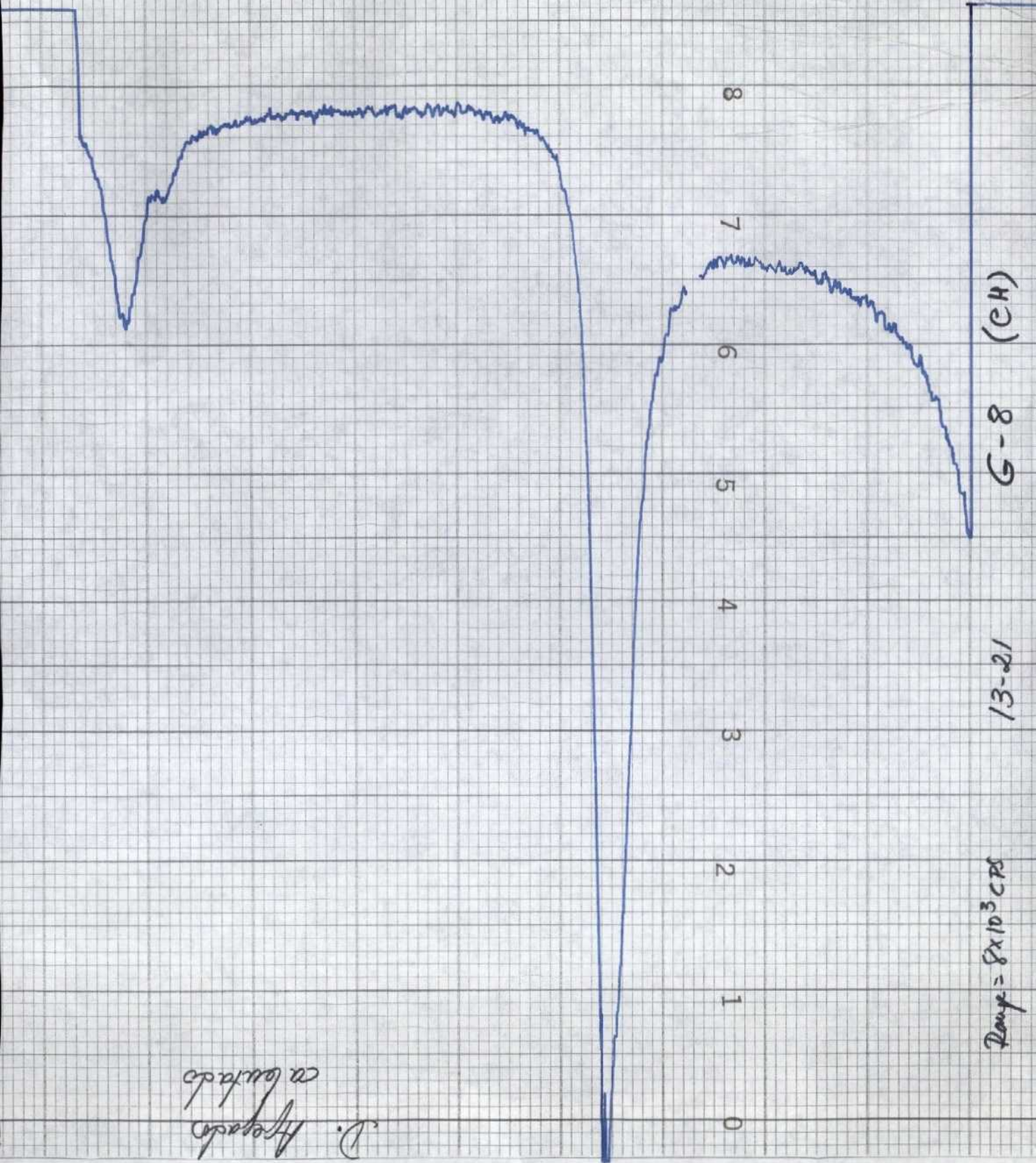
10
9
8
7
6
5
4
3
2
1
0

20

G-8 (CH)

13-21

Range = 8×10^3 cps



Arcillas {
 Sm — Smectita
 I — Illita o mica
 K — Kaolinita
 Cl — Clorita
 Q — Cuarzo
 O — Ortosa
 A — Albita en trazas

Range = 8×10^3 cps

13-21 G-9

20

3 4 5 6 7 8 9 10

Sm
15

I
10

K 1/2 Cl
7.2

Q
3.34

O
3.24
A
3.20

0 1 2 3 4 5 6 7 8 9 10

13-21 G-9

D. Apogados Orientados
Fracción < 2 μ m.

Sm - Esmechita
P - Polipors Kita
I - Illita
K - Caolinita

Range = 8×10^3 cps

13-21

G-9

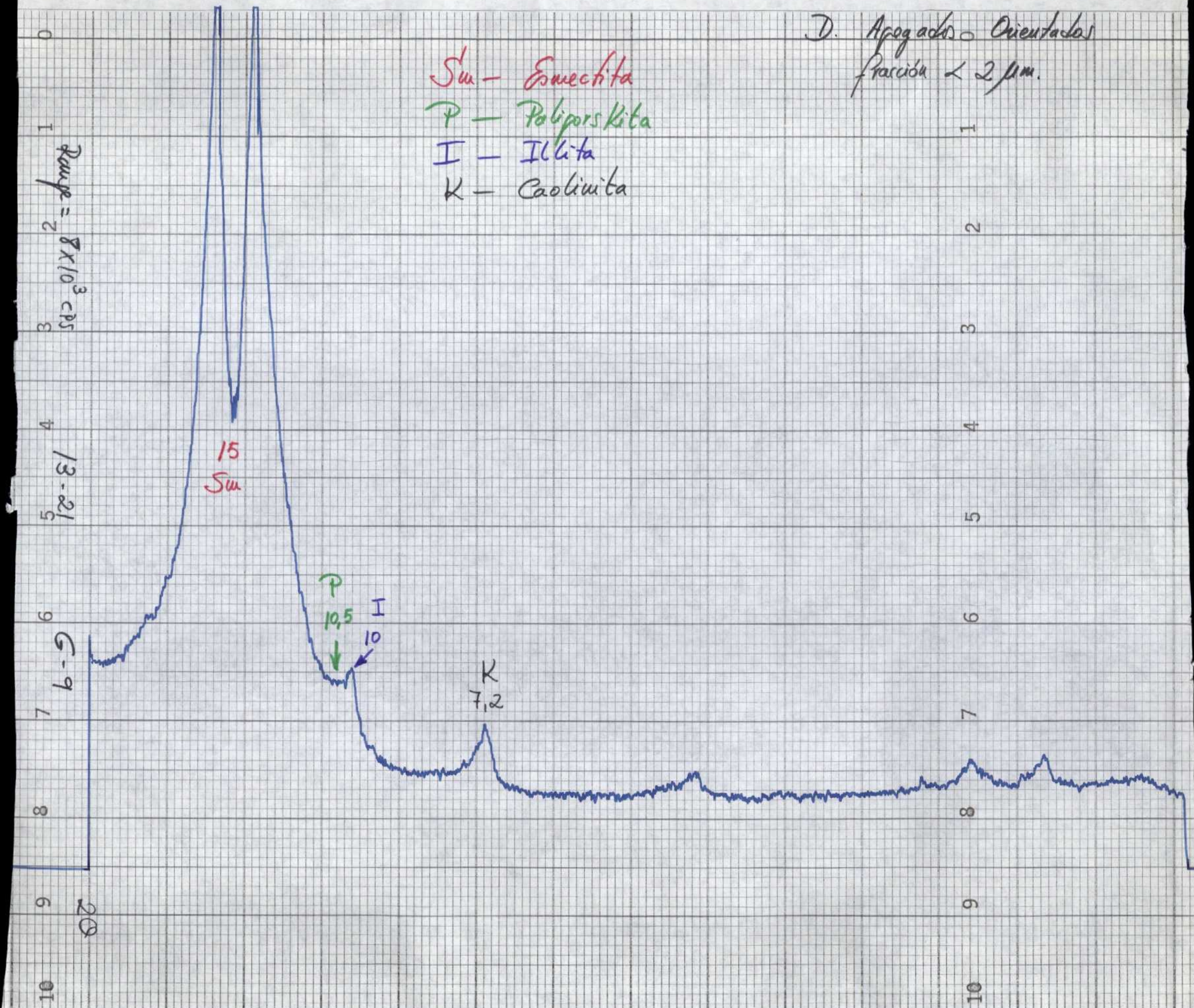
20

15
Sm

P
10,5

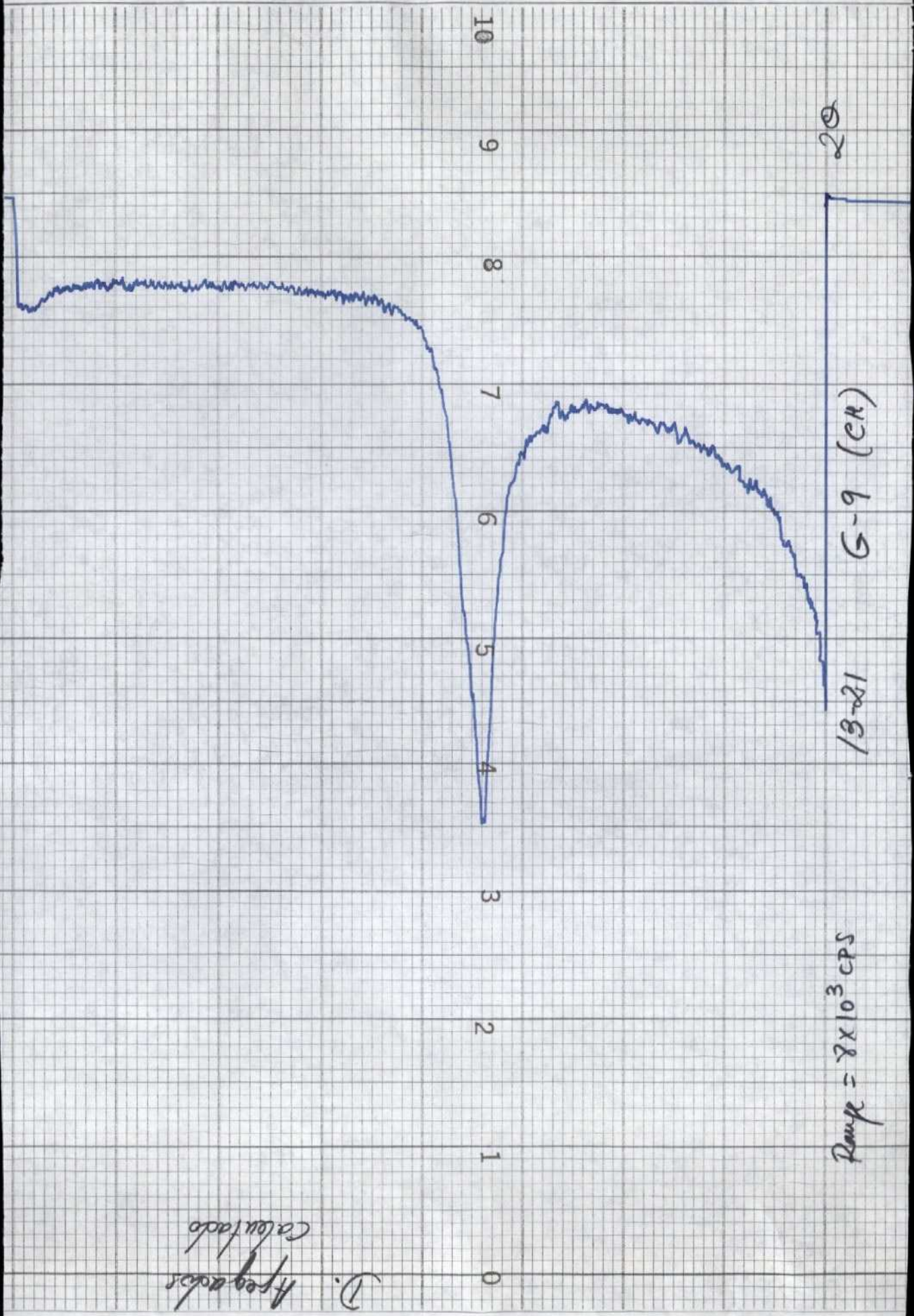
I
10

K
7,2



①. Agregados
Calculado

Range = 8×10^3 cps



13-21 G-9 (CR)

Arcillas

- Su - Escaecitas
- I - Illita o Mica
- K - Caolinita
- Cl - Clorita
- Q - Cuarzo
- O - Ortosa
- A - Albita

Power = 8×10^3 cps

13-21

G-10

20

Su
15

I
10

K + Cl
7,2

Q
3,34

O
3,24
A
3,20

13-21 G-

D. Apegados Orientados
fracción $< 2 \mu m$.

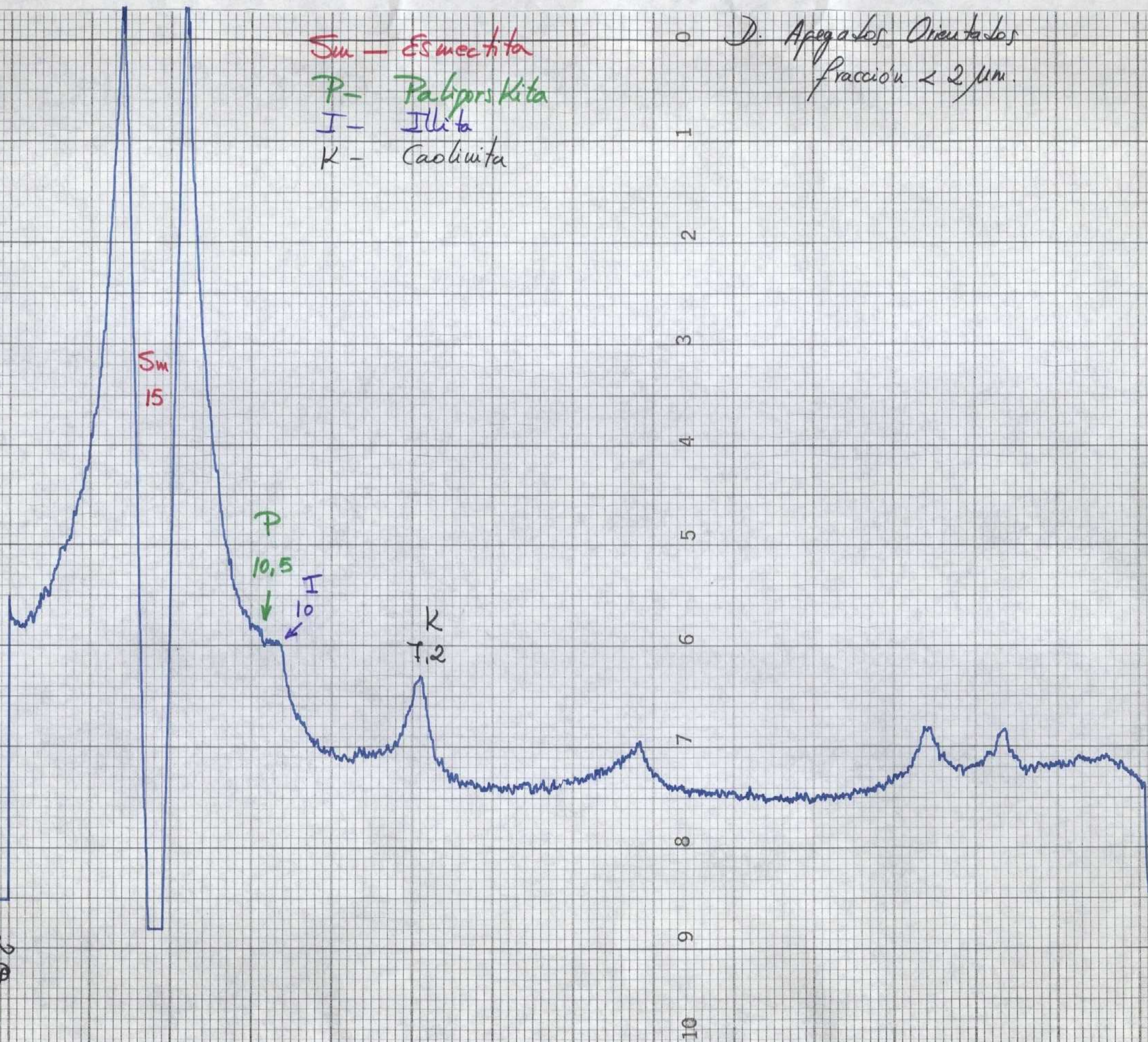
Sm - Esmeectita
P - Palipors Kita
I - Illita
K - Caolinita

Range = 8×10^3 cps

13-21

G-10

20



D. Agregados
calentado

