

CAT. NO. 9907C1

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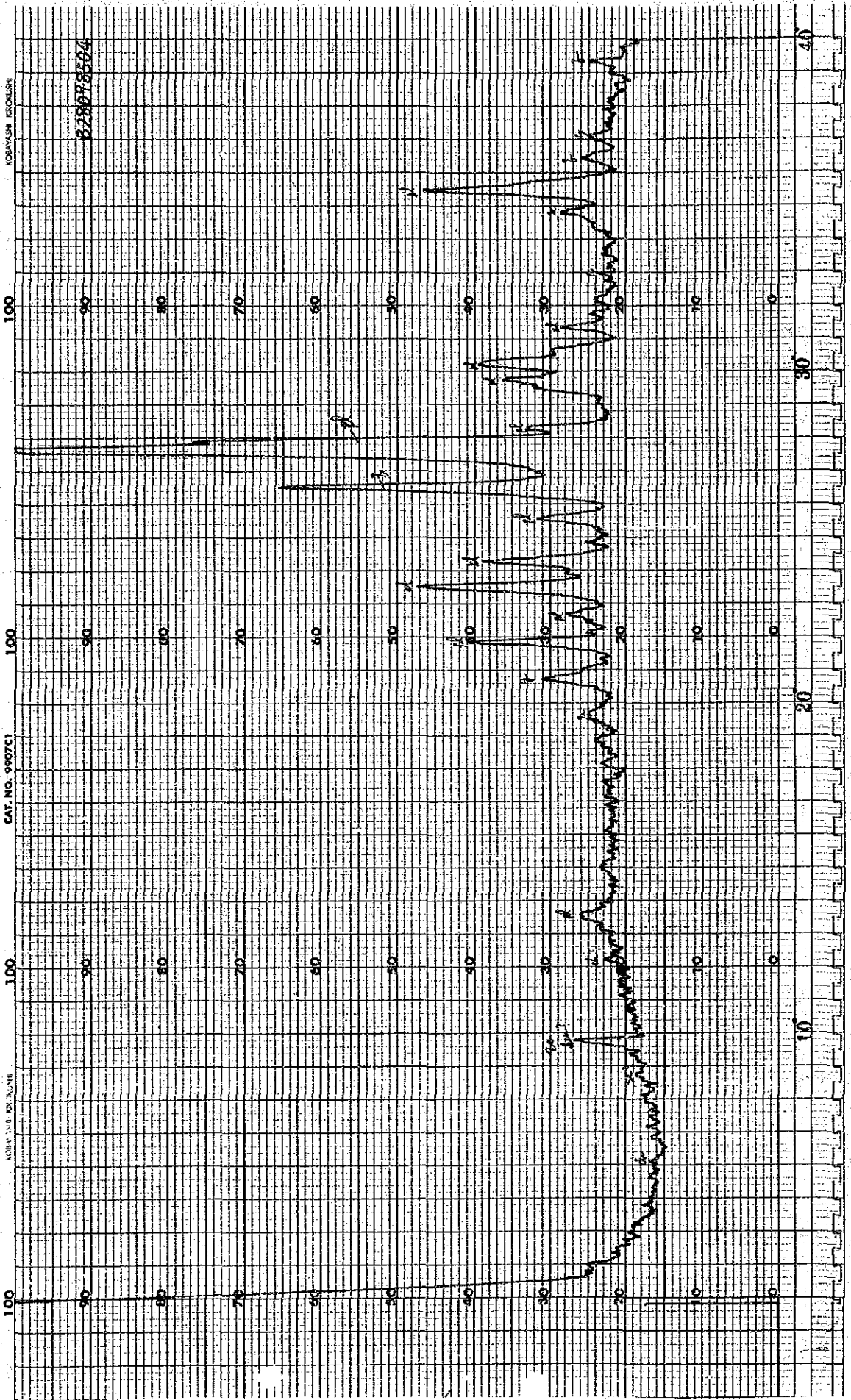
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FILE NAME: SA35100 DATE: 12-16-1985
 TARGET/FILTER (MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 40
 PEAK WIDTH: .1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

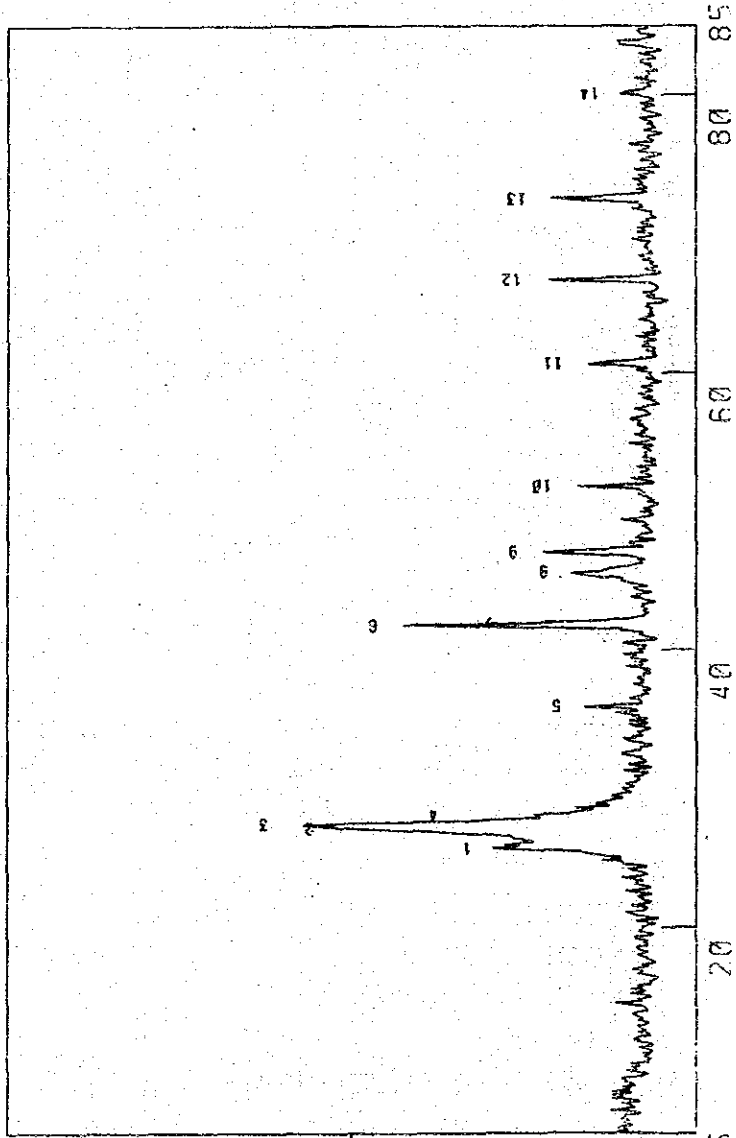
Sample Name : K100706

No	2 Theta	INTEN	d	FWHM	I/I0
1	27.15	144	3.24	0.938	154
2	27.75	126	3.10	0.953	90
3	28.95	118	2.88	1.033	140
4	31.75	109	2.62	1.133	123
5	42.00	100	2.15	1.333	100
6	45.00	117	2.00	1.413	123
7	47.10	99	1.88	1.500	133
8	66.20	105	1.42	1.667	143
9	67.50	100	1.39	1.733	133
10	69.00	111	1.35	1.800	143
11	70.50	100	1.31	1.867	153
12	71.50	105	1.29	1.900	163
13	72.00	100	1.28	1.933	173
14	78.00	105	1.17	2.100	183

Appendix 5-2 X-Ray Diffraction Chart Northern Leyte Area

Corresponding Minerals to Peak No.

- | Sample name: K100706 | No. | Minerals |
|----------------------|-----|-------------------------|
| | 1 | Tridymite |
| | 2 | Tridymite, Cristobarite |
| | 3 | Cristobarite |
| | 4 | Marcasite |
| | 5 | Pyrite |
| | 6 | Pyrite |
| | 7 | Cristobarite, Tridymite |
| | 8 | Pyrite |
| | 9 | Pyrite |
| | 10 | Pyrite |
| | 11 | Pyrite, Marcasite |
| | 12 | Cristobarite, Marcasite |
| | 13 | Pyrite |
| | 14 | Pyrite, Marcasite |



.5K

.25K

FILE NAME: SA36100 DATE: 12-14-1985
 TARGET/FILTER (MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 7
 OPERATOR:
 COMMENT:

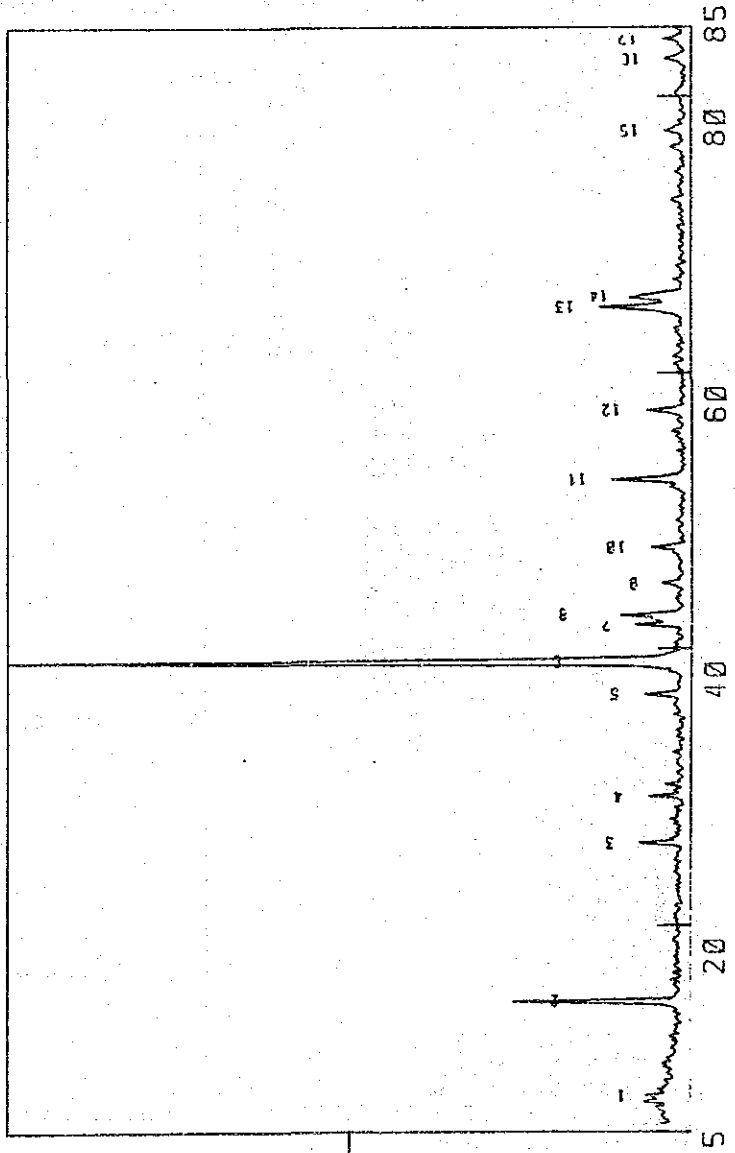
SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 50
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : K100707

No.	2 Theta	INTEN	d	FWHM	I/I0
1	7.55	5888	14.70	02**	45
2	14.3	2786	7.3	41	18
3	29.35	670	3.7	**	45
4	33.05	1362	2.7	**	45
5	39.7	393	2.2	**	45
6	41.45	345	2.1	**	45
7	42.65	461	2.0	***	488
8	44.3	1196	1.9	***	488
9	45.2	1364	1.8	***	488
10	47.3	409	1.7	***	488
11	50.6	1364	1.6	***	488
12	55.7	374	1.5	***	488
13	69.7	374	1.1	***	488
14	88.4	374	1.1	***	488

1K

2
3 .5K



Corresponding Minerals to Peak No.

Sample name: K100707

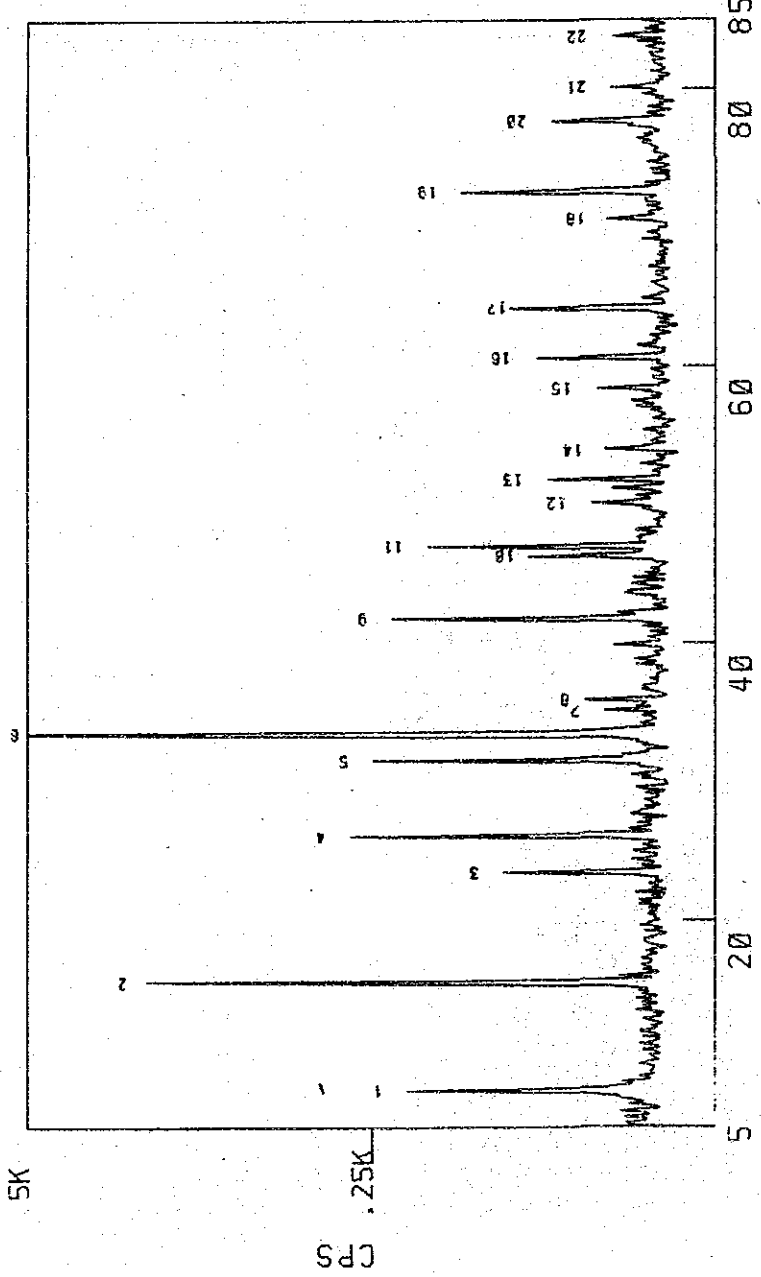
No.	Minerals
1	Nontronite
2	Gypsum
3	Gypsum
4	Gypsum
5	Gypsum
6	Dolomite, Gypsume
7	Pyrite
8D	Dolomite, Gypsun
9	Dolomite, Nontronite
10	Dolomite
11	Dolomite
12	Dolomite
13	Dolomite
14	Dolomite, Nontronite
15	Dolomite
16	Dolomite

FILE NAME: SA37100
 TARGET/FILTER (MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

SMOOTHING: 7
 DIFFERENTIAL: 11
 PEAK HEIGHT: 40
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : 101085
 AVC-03

No.	Th θ	INTEN	FWHM	I/I ₁
1	27.5	407	485	23
2	28.5	154	455	44
3	31.5	248	455	22
4	32.5	108	488	20
5	33.5	88	413	10
6	35.5	220	458	18
7	36.5	209	488	11
8	37.5	178	488	10
9	38.5	129	458	17
10	40.5	89	488	12
11	41.5	137	488	16
12	42.5	133	488	11
13	43.5	137	488	11
14	44.5	137	488	11
15	45.5	137	488	11
16	46.5	137	488	11
17	47.5	137	488	11
18	48.5	137	488	11
19	49.5	137	488	11
20	50.5	137	488	11
21	51.5	137	488	11
22	52.5	137	488	11



Corresponding Minerals to Peak No.

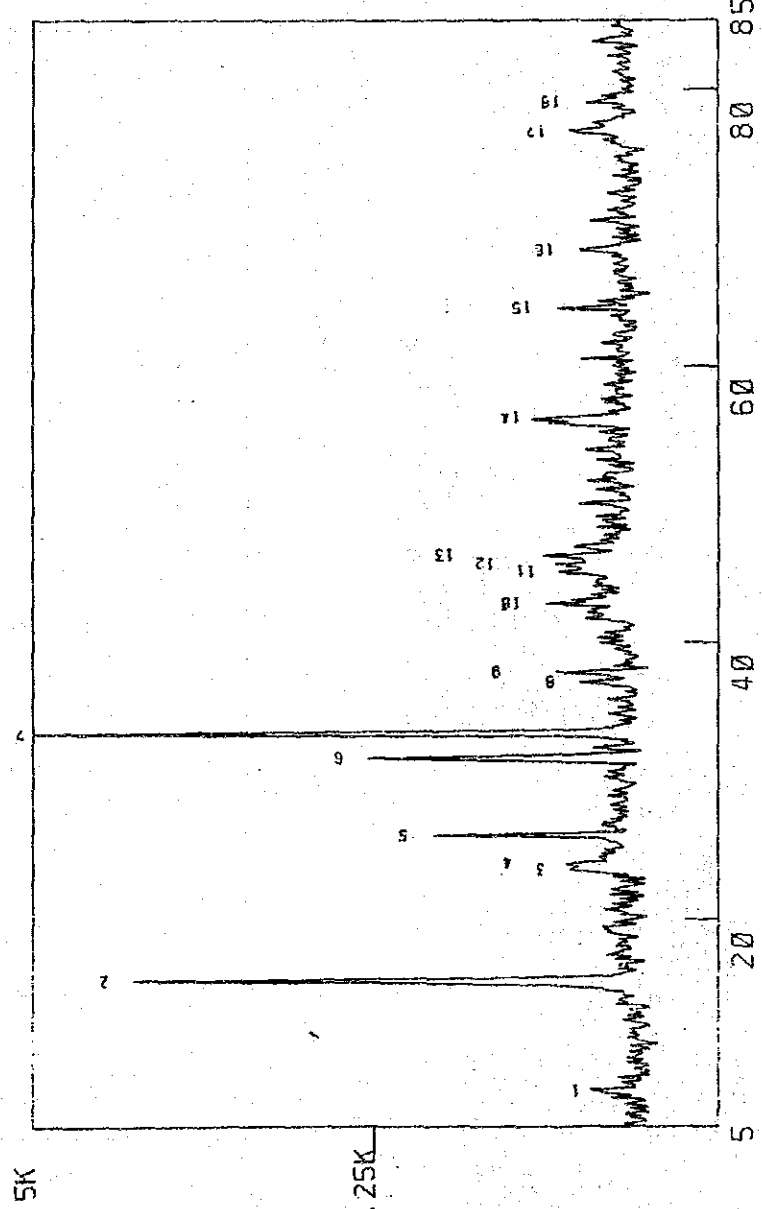
Sample No.	Minerals
1	Clinochlore
2	Clinochlore
3	Clinochlore
4	Quartz
5	Clinochlore
6	Quartz
7	Pyrite
8	Pyrite
9	Quartz
10	Quartz
11	Pyrite
12	Quartz
13	Pyrite
14	Quartz
15	Pyrite
16	Quartz
17	Quartz
18	Pyrite
19	Pyrite
20	Clinochlore
21	Pyrite
22	Pyrite

FILE NAME: SA38100
 DATE: 12-16-1985
 TARGET/FILTER(MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS 15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

SMOOTHING: 7
 DIFFERENTIAL: 11
 PEAK HEIGHT: 40
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : NFS09R

No.	2 Theta	INTEN	FWHM	I/I0
1	7.6	8257	4.8	1.24
2	15.0	11076	5.8	1.60
3	22.4	12023	5.3	1.25
4	26.1	26111	4.1	1.00
5	32.2	11111	4.5	1.00
6	35.5	11111	4.8	1.00
7	42.5	11111	4.5	1.00
8	44.5	11111	4.8	1.00
9	45.6	11111	4.1	1.00
10	62.7	11111	4.1	1.00
11	79.1	11111	4.1	1.00
12	81.1	11111	4.1	1.00
13	81.1	11111	4.1	1.00
14	81.1	11111	4.1	1.00
15	81.1	11111	4.1	1.00
16	81.1	11111	4.1	1.00
17	81.1	11111	4.1	1.00
18	81.1	11111	4.1	1.00



Corresponding Minerals to Peak No.

Sample No.	Minerals
1	Chamosite, Nontronite?
2	Chamosite
3	Chamosite
4	Quartz
5	Chamosite
6	Quartz
7	Nontronite?
8	Pyrrhotite, Tetrahedrite?
9	Chamosite
10	Chamosite
11	Quartz
12	Pyrrhotite
13	Quartz, Tetrahedrite?
14	Pyrrhotite, Nontronite
15	Chamosite, Tetrahedrite?
16	Chamosite, Nontronite?
17	Chamosite, Nontronite?
18	Chamosite, Nontronite?

FILE NAME: SA39100
 DATE: 12-16-1985
 TARGET/FILTER(MONOCRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: 0.5 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

SMOOTHING: 7
 DIFFERENTIAL: 11
 PEAK HEIGHT: 50
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

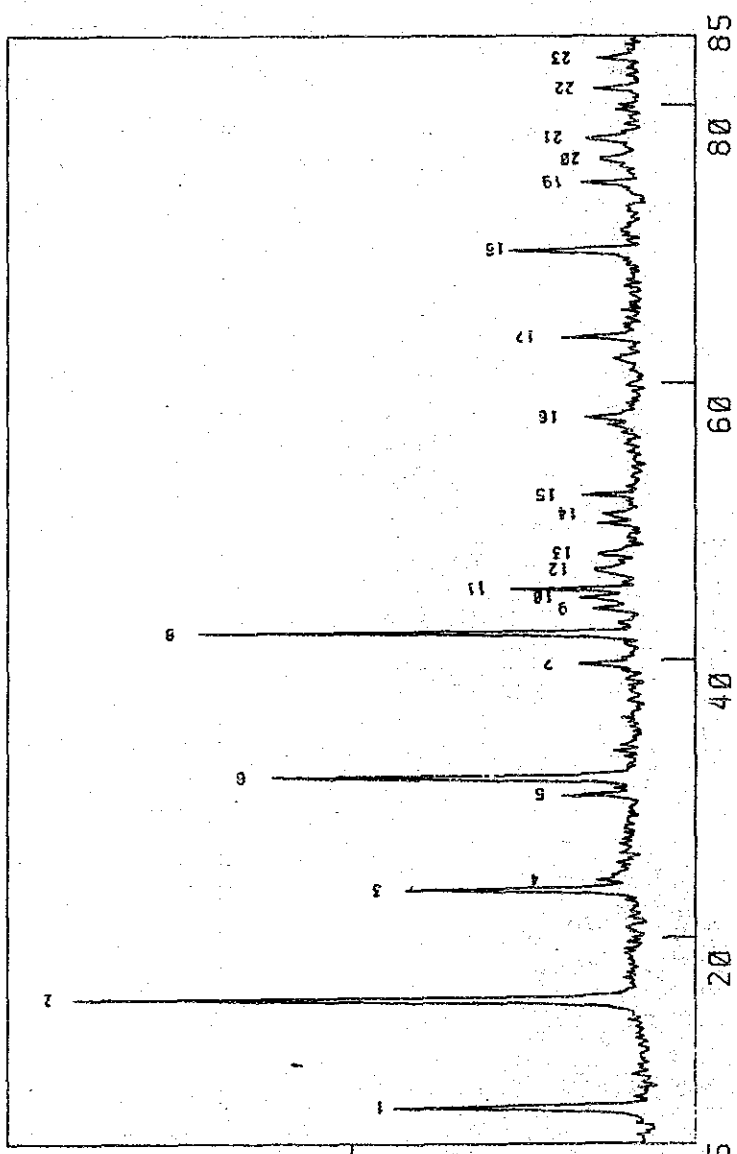
Sample Name : 061085
 AVC-03

No.	2 Theta	INTEN	FWHM	I/I0
1	7.15	4150	1.52	40
2	7.24	4441	1.52	100
3	7.30	1161	1.63	14
4	7.33	1161	1.63	14
5	7.37	1161	1.63	14
6	7.39	1161	1.63	14
7	7.44	1161	1.63	14
8	7.45	1161	1.63	14
9	7.50	1161	1.63	14
10	7.51	1161	1.63	14
11	7.52	1161	1.63	14
12	7.53	1161	1.63	14
13	7.54	1161	1.63	14
14	7.55	1161	1.63	14
15	7.56	1161	1.63	14
16	7.57	1161	1.63	14
17	7.58	1161	1.63	14
18	7.59	1161	1.63	14
19	7.60	1161	1.63	14
20	7.61	1161	1.63	14
21	7.62	1161	1.63	14
22	7.63	1161	1.63	14
23	7.64	1161	1.63	14

Corresponding Minerals to Peak No.

Sample name: AVC-03*061085

No.	Minerals
1	Clinochlore
2	Clinochlore
3	Clinochlore
4	Clinochlore
5	Hematite
6	Clinochlore
7	Clinochlore
8	Hematite
9	Clinochlore
10	Clinochlore
11	Hematite
12	Clinochlore
13	Clinochlore
14	Clinochlore
15	Hematite
16	Clinochlore
17	Hematite
18	Hematite
19	Hematite
20	Clinochlore
21	Clinochlore
22	Hematite
23	Hematite



1K

5K

FILE NAME: SA40100 DATE: 12-16-1985
 TARGET/FILTER(MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

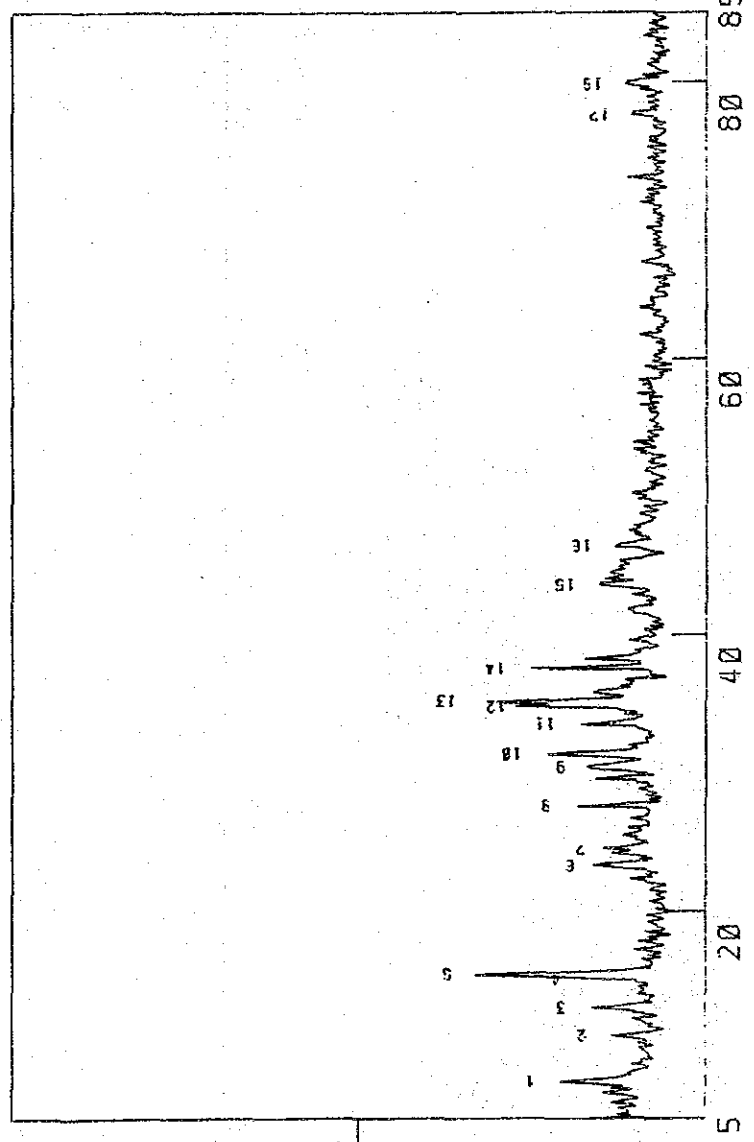
SMOOTHING: 7
 DIFFERENTIAL: 7
 PEAK HEIGHT: 50
 PEAK WIDTH: .1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : AVC-01
 061085

No.	2 Theta	Intensity	Mineral	FWHM	I/I0
1	11.5	105	Clinoclhore	5.38	64
2	13.5	88	Muscovite	1.89	55
3	15.2	83	Muscovite	1.89	55
4	17.4	78	Muscovite	1.89	55
5	22.0	84	Muscovite	1.89	55
6	23.3	91	Muscovite	1.89	55
7	23.3	91	Muscovite	1.89	55
8	23.3	91	Muscovite	1.89	55
9	23.3	91	Muscovite	1.89	55
10	23.3	91	Muscovite	1.89	55
11	23.3	91	Muscovite	1.89	55
12	23.3	91	Muscovite	1.89	55
13	23.3	91	Muscovite	1.89	55
14	23.3	91	Muscovite	1.89	55
15	23.3	91	Muscovite	1.89	55
16	23.3	91	Muscovite	1.89	55
17	23.3	91	Muscovite	1.89	55
18	23.3	91	Muscovite	1.89	55
19	23.3	91	Muscovite	1.89	55
20	23.3	91	Muscovite	1.89	55
21	23.3	91	Muscovite	1.89	55
22	23.3	91	Muscovite	1.89	55
23	23.3	91	Muscovite	1.89	55
24	23.3	91	Muscovite	1.89	55
25	23.3	91	Muscovite	1.89	55
26	23.3	91	Muscovite	1.89	55
27	23.3	91	Muscovite	1.89	55
28	23.3	91	Muscovite	1.89	55

Corresponding Minerals to Peak No.

Sample No.	Mineral
1	Clinoclhore
2	Muscovite
3	Muscovite
4	Muscovite
5	Muscovite
6	Muscovite
7	Muscovite
8	Muscovite
9	Muscovite
10	Muscovite
11	Muscovite
12	Muscovite
13	Muscovite
14	Muscovite
15	Muscovite
16	Muscovite
17	Muscovite
18	Muscovite
19	Muscovite
20	Muscovite
21	Muscovite
22	Muscovite
23	Muscovite
24	Muscovite
25	Muscovite
26	Muscovite
27	Muscovite
28	Muscovite



5K
25K

FILE NAME: SA30100
 TARGET/FILTER(MONOCHR0): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

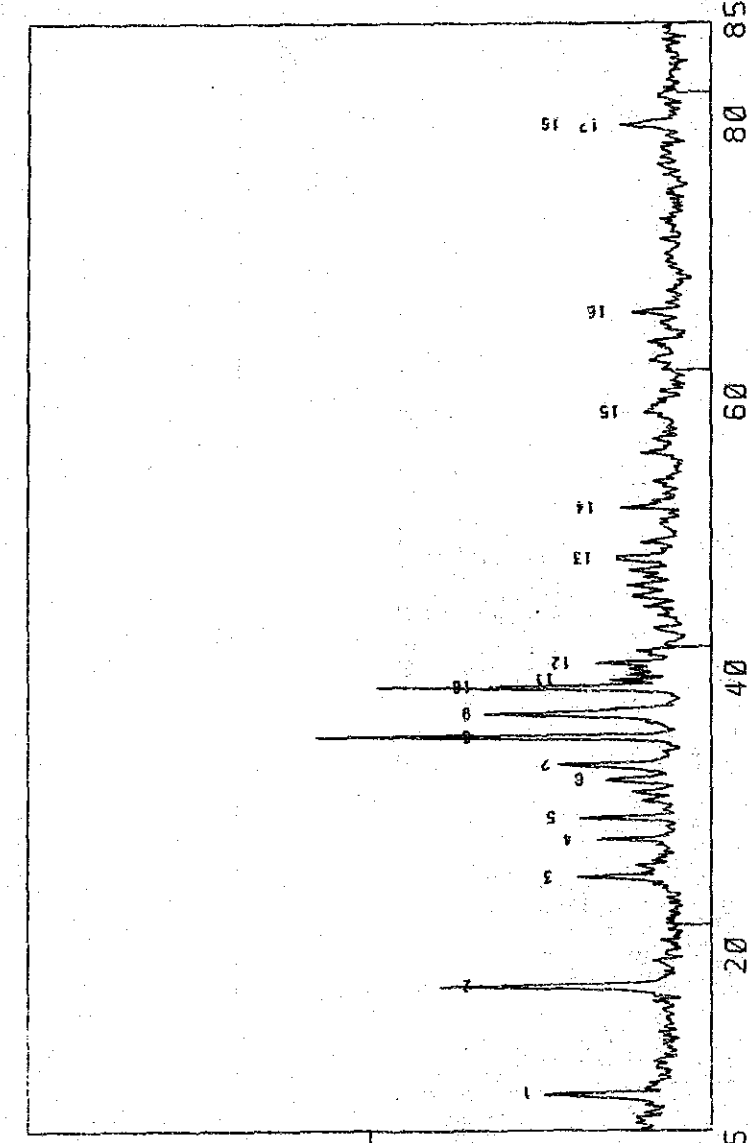
DATE: 12-16-1985
 SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 40
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name :K100502

No.	Theta	INTEN	FWHM	I/I0
1	15.45	112	413	105
2	13.67	190	45	30
3	22.70	809	350	20
4	23.07	780	505	30
5	33.32	809	350	20
6	33.32	247	45	15
7	33.32	44	375	40
8	33.32	14	375	40
9	33.32	86	375	40
10	33.32	69	375	40
11	33.32	84	375	40
12	33.32	69	375	40
13	33.32	84	375	40
14	33.32	69	375	40
15	33.32	84	375	40
16	33.32	69	375	40
17	33.32	84	375	40

Corresponding Minerals to Peak No.

Sample No.	Minerals
1	Clinocllore
2	Clinocllore
3	Clinocllore
4	Quartz,Tridymite
5	Plagioclase,Tridymite
6	Plagioclase
7	Clinocllore
8	Quartz
9	Plagioclase,Tridymite
10	Plagioclase
11	Plagioclase
12	Plagioclase
13	Clinocllore,Plagioclase,Quartz,Cuprite?
14	Quartz
15	Clinocllore
16	Clinocllore,Quartz
17	Clinocllore,Quartz



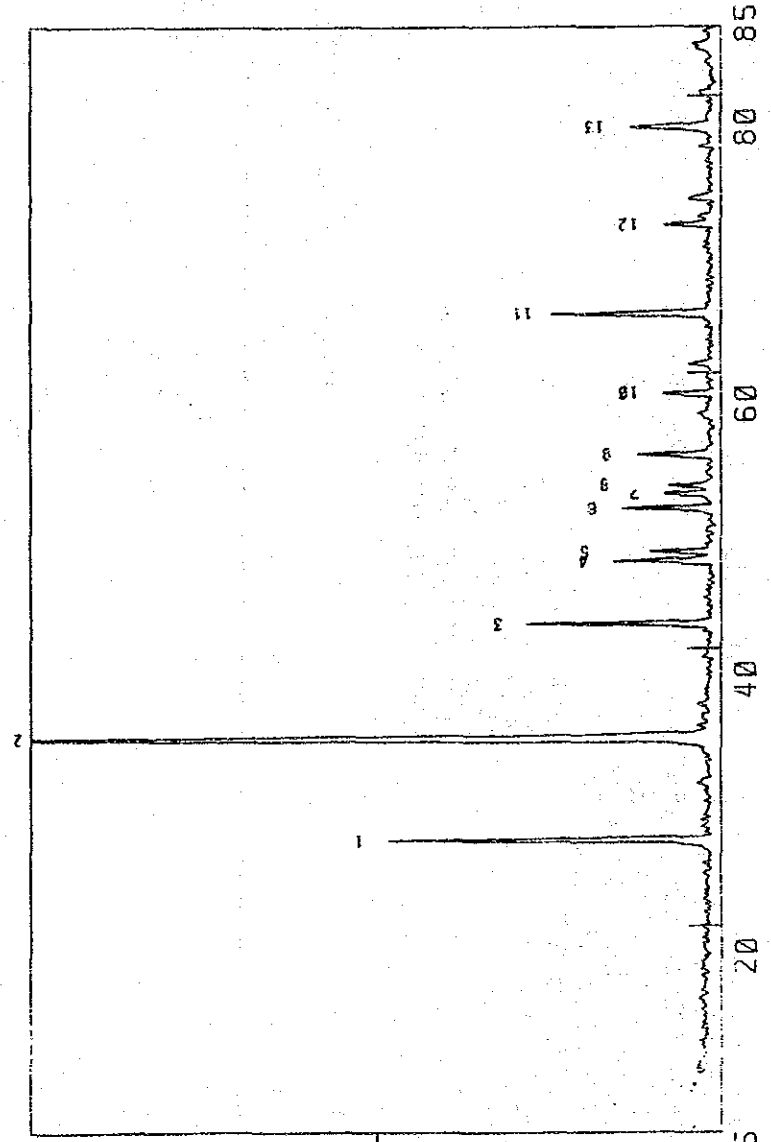
CPS
.5K
25K

FILE NAME: SA31100
 TARGET/FILTER (MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

DATE: 12-16-1985
 SMOOTHING: 7
 DIFFERENTIAL: 11
 PEAK HEIGHT: 50
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

No.	Theta	INTEN	FWHM	I/I0
1	26.55	481	4885	100
2	31.65	228	525	11
3	41.65	114	408	11
4	47.15	114	408	11
5	50.15	114	408	11
6	55.55	114	408	11
7	56.55	114	408	11
8	58.55	114	408	11
9	60.55	114	408	11
10	61.55	114	408	11
11	62.55	114	408	11
12	64.55	114	408	11
13	67.75	114	408	11

Sample Name : K100601



Corresponding Minerals to Peak No.

Sample No.	Minerals
1	Quartz
2	Quartz
3	Pyrite
4	Quartz
5	Pyrite
6	Quartz
7	Quartz
8	Pyrite
9	Quartz
10	Quartz
11	Quartz
12	Quartz
13	Quartz

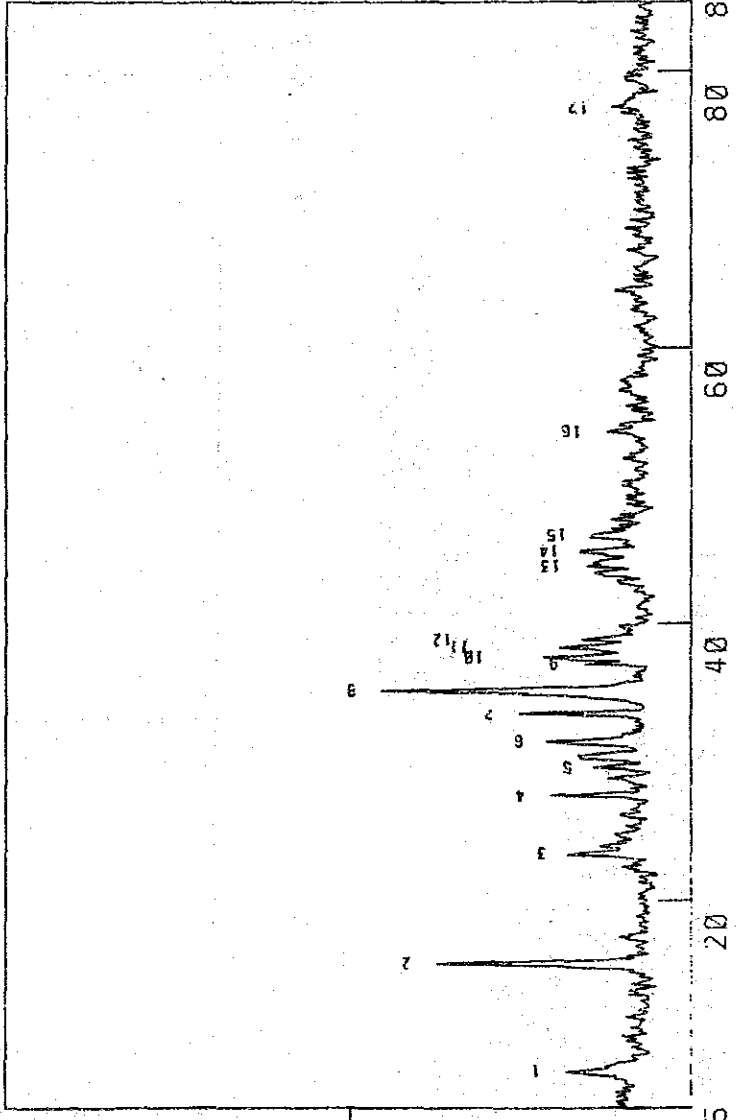
FILE NAME: SA32100
 TARGET/FILTER(MONOCHR): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 40
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

No.	2 Theta	INTEN	I/I0
1	15.45	191	1.40
2	22.91	100	1.00
3	23.91	106	1.05
4	25.57	122	1.15
5	25.57	125	1.16
6	25.57	127	1.17
7	25.57	125	1.16
8	25.57	103	1.03
9	27.88	100	1.00
10	30.15	100	1.00
11	30.15	100	1.00
12	30.15	100	1.00
13	30.15	100	1.00
14	30.15	100	1.00
15	30.15	100	1.00
16	30.15	100	1.00
17	30.15	100	1.00

Sample Name : K100606

.5K



Corresponding Minerals to Peak No.

Sample No.	Minerals
1	Clinocllore
2	Clinocllore
3	Clinocllore
4	Plagioclase
5	Plagioclase
6	Clinocllore
7	Plagioclase, Quartz?
8	Plagioclase
9	Plagioclase
10	Plagioclase
11	Plagioclase
12	Plagioclase
13	Clinocllore
14	Plagioclase
15	Clinocllore
16	Cuprite?
17	Clinocllore

FILE NAME: SA33100 DATE: 12-16-1985

TARGET/FILTER(MONOCHRO): Fe

VOLTAGE/CURRENT: 35KV 15mA

SLITS: DS 1 RS .15

SCAN SPEED: 4 DEG/MIN.

STEP/SAMPLING: .05 DEG

PRESET TIME: 0 SEC

SMOOTHING: 0

OPERATOR:

COMMENT:

SMOOTHING: 7

DIFFERENTIAL: 9

PEAK HEIGHT: 30

PEAK WIDTH: .1

BACK GROUND (SAMPLING): 0

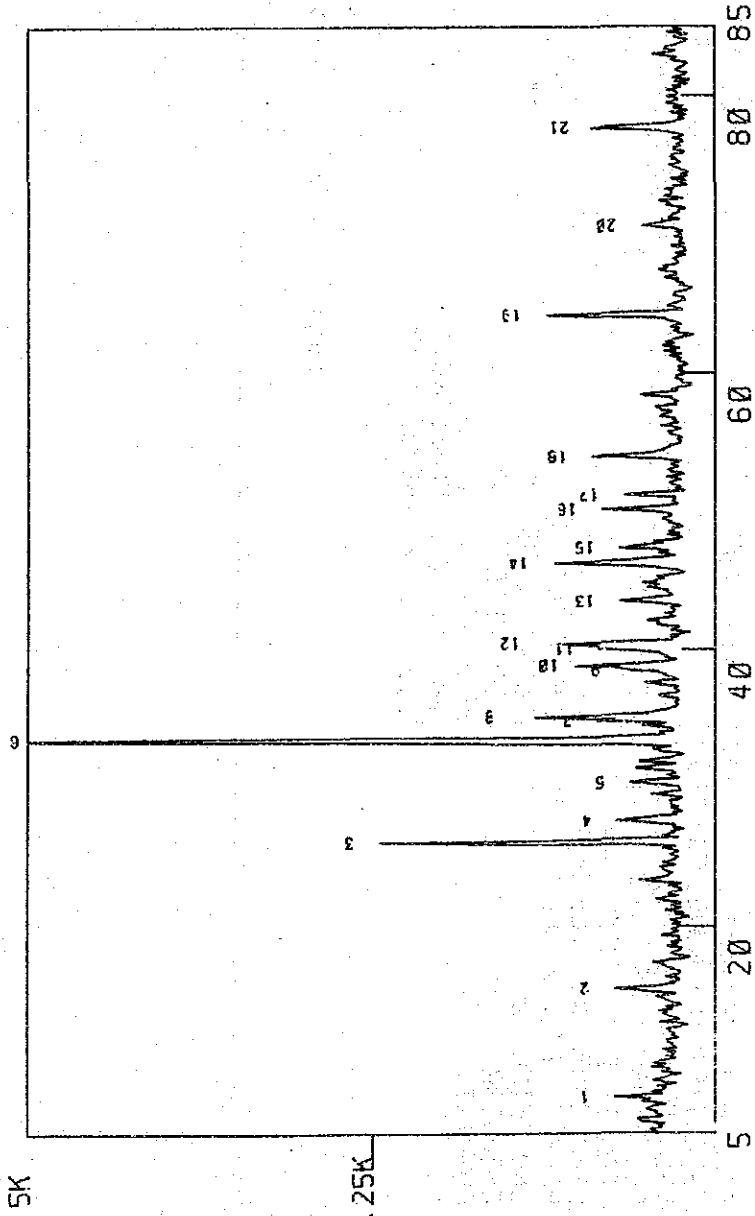
BACK GROUND (REPEAT): 0

Sample Name : K100905

No.	2 Theta	INTEN	FWHM, I/I ₀
1	7.65	73	263
2	15.1	244	413
3	22.7	76	525
4	23.0	115	538
5	23.4	115	538
6	23.8	115	538
7	25.1	115	538
8	25.5	115	538
9	25.9	115	538
10	26.3	115	538
11	26.7	115	538
12	27.0	115	538
13	27.3	115	538
14	27.7	115	538
15	28.0	115	538
16	28.4	115	538
17	28.7	115	538
18	29.1	115	538
19	29.4	115	538
20	29.7	115	538
21	30.1	115	538

Corresponding Minerals to Peak No.

Sample name; Minerals No.	Minerals
1	Clinocllore
2	Clinocllore
3	Quartz
4	Plagioclase
5	Plagioclase
6	Quartz
7	Plagioclase
8	Plagioclase
9	Plagioclase
10	Plagioclase
11	Clinocllore
12	Clinocllore
13	Clinocllore
14	Quartz, Plagioclase
15	Quartz, Plagioclase
16	Quartz, Plagioclase
17	Quartz
18	Quartz, Plagioclase
19	Quartz
20	Quartz
21	Quartz



5K
25K
CPS

FILE NAME: SA41100
 DATE: 12-16-1985
 TARGET/FILTER(MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

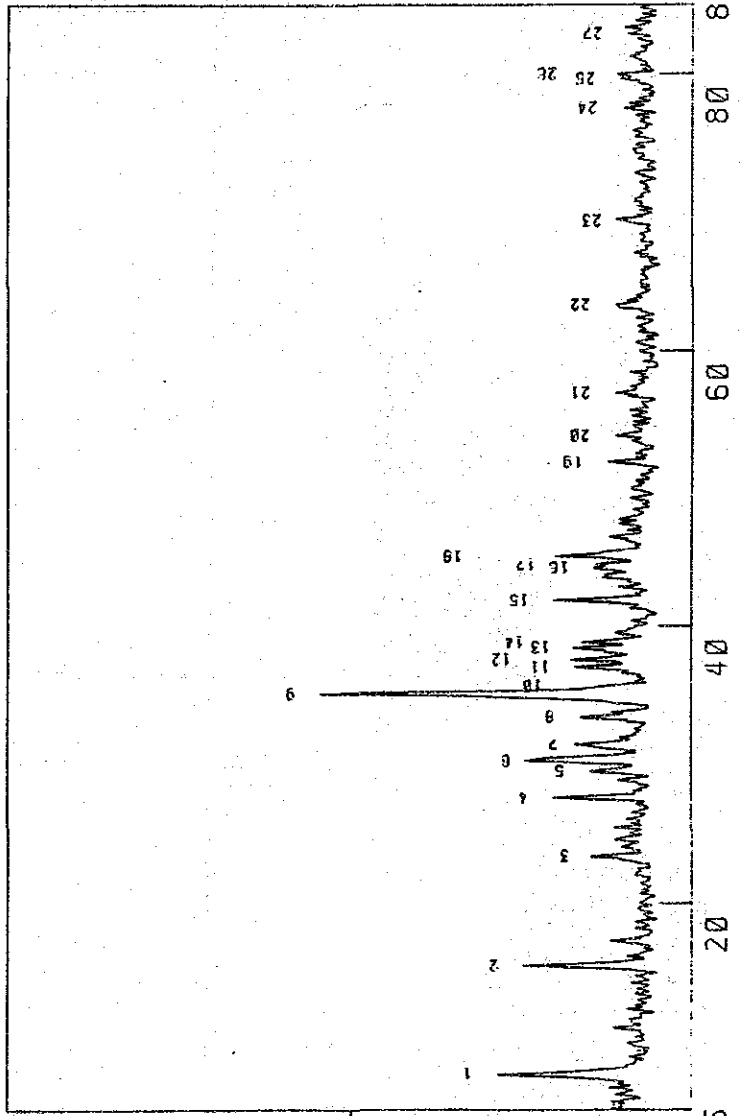
SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 30
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : K100907

No.	Theta	INTEN	d	FWHM	I
1	15.7	142	5.7	4.5	170
2	17.2	123	6.5	3.7	152
3	22.0	101	8.0	3.3	132
4	22.5	101	7.5	3.5	132
5	22.5	114	7.5	3.5	132
6	22.5	117	7.5	3.5	132
7	22.5	117	7.5	3.5	132
8	22.5	117	7.5	3.5	132
9	22.5	117	7.5	3.5	132
10	22.5	117	7.5	3.5	132
11	22.5	117	7.5	3.5	132
12	22.5	117	7.5	3.5	132
13	22.5	117	7.5	3.5	132
14	22.5	117	7.5	3.5	132
15	22.5	117	7.5	3.5	132
16	22.5	117	7.5	3.5	132
17	22.5	117	7.5	3.5	132
18	22.5	117	7.5	3.5	132
19	22.5	117	7.5	3.5	132
20	22.5	117	7.5	3.5	132
21	22.5	117	7.5	3.5	132
22	22.5	117	7.5	3.5	132
23	22.5	117	7.5	3.5	132
24	22.5	117	7.5	3.5	132
25	22.5	117	7.5	3.5	132
26	22.5	117	7.5	3.5	132
27	22.5	117	7.5	3.5	132

Corresponding Minerals to Peak No.

No.	Minerals
1	Clinocllore
2	Clinocllore
3	Clinocllore
4	Clinocllore, Plagioclase
5	Plagioclase
6	Hematite, Plagioclase
7	Clinocllore
8	Plagioclase
9	Plagioclase
10	Plagioclase
11	Plagioclase
12	Plagioclase
13	Clinocllore
14	Hematite
15	Clinocllore
16	Clinocllore
17	Hematite, Plagioclase
18	Hematite
19	Hematite
20	Plagioclase
21	Plagioclase
22	Hematite
23	Hematite
24	Clinocllore
25	Clinocllore
26	Clinocllore
27	Hematite



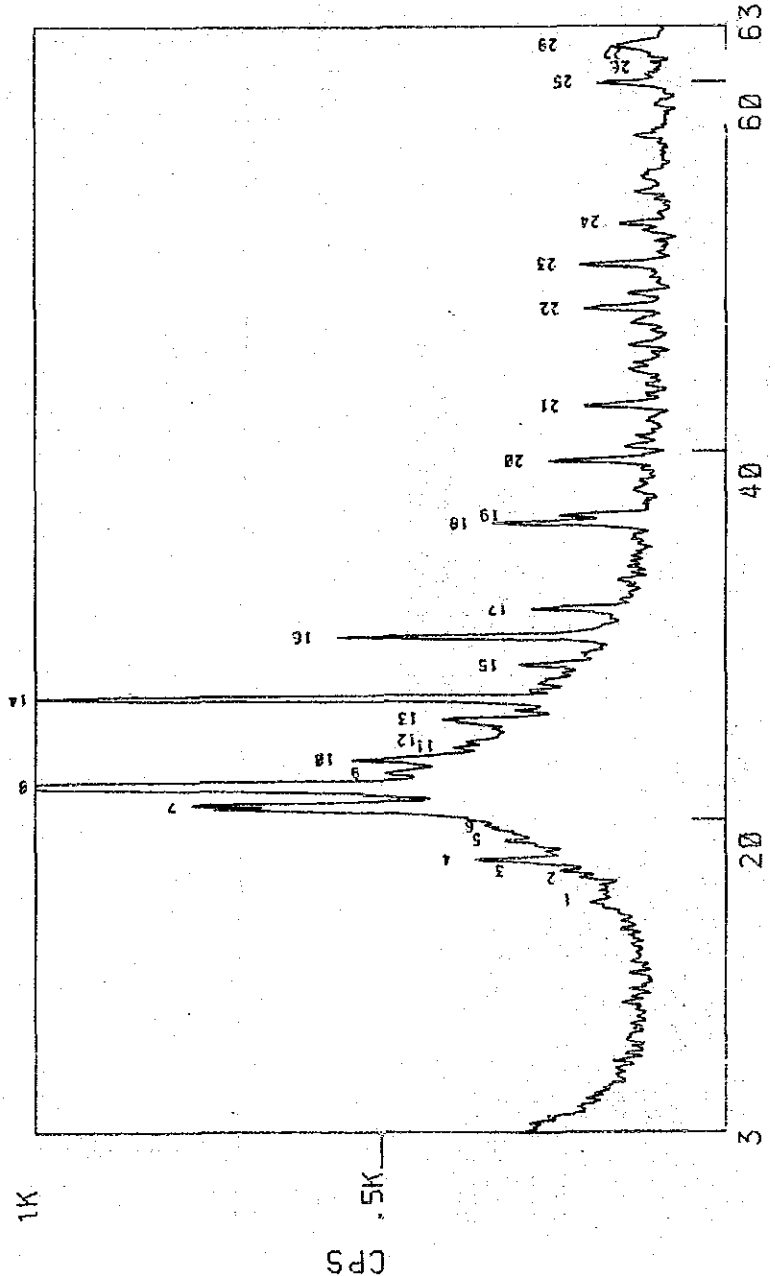
5K

CP S .25K

FILE NAME: SAW2100
 TARGET/FILTER (MONOCHRO): Cu
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

SMOOTHING: 7
 DIFFERENTIAL: 11
 PEAK HEIGHT: 50
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : NFS02R



No.	Th	Int	FWHM	I/I0
1	15.6	180	418	11
2	15.6	22	418	11
3	17.0	22	418	11
4	17.0	22	418	11
5	17.0	22	418	11
6	17.0	22	418	11
7	17.0	22	418	11
8	17.0	22	418	11
9	17.0	22	418	11
10	17.0	22	418	11
11	17.0	22	418	11
12	17.0	22	418	11
13	17.0	22	418	11
14	17.0	22	418	11
15	17.0	22	418	11
16	17.0	22	418	11
17	17.0	22	418	11
18	17.0	22	418	11
19	17.0	22	418	11
20	17.0	22	418	11
21	17.0	22	418	11
22	17.0	22	418	11
23	17.0	22	418	11
24	17.0	22	418	11
25	17.0	22	418	11
26	17.0	22	418	11
27	17.0	22	418	11
28	17.0	22	418	11
29	17.0	22	418	11

Corresponding Minerals to Peak No.

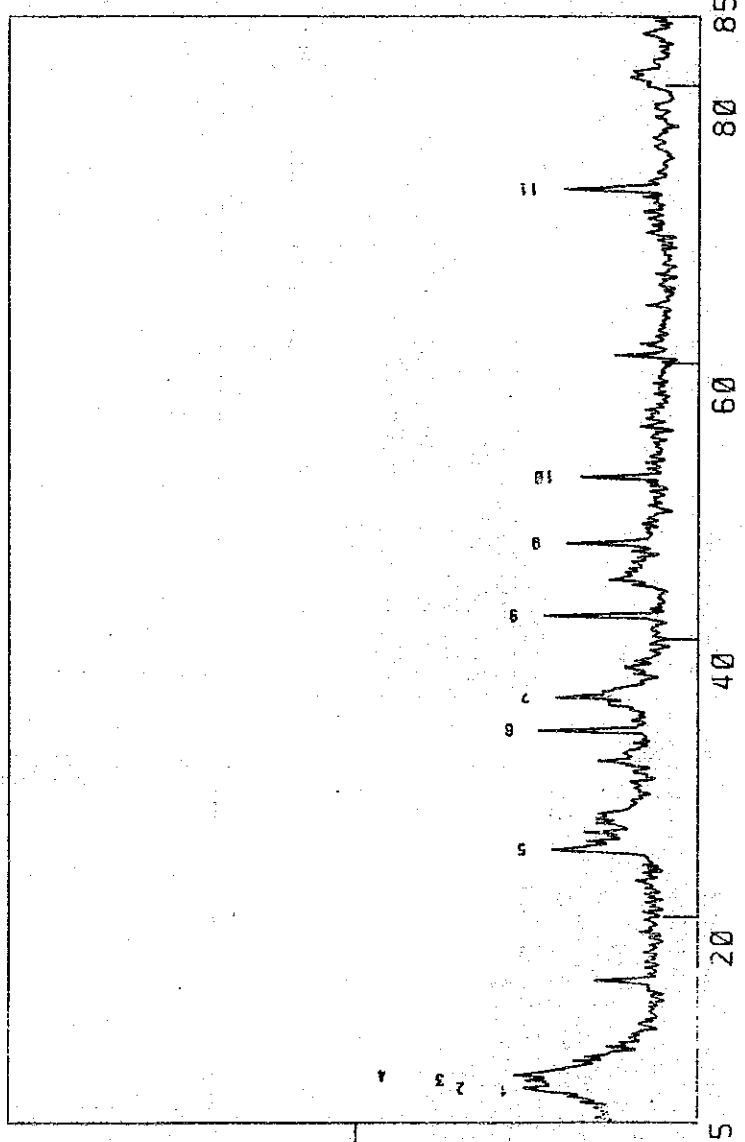
Sample name:	Minerals
NFS02R	
1	Alunite
4	Alunite
7	Quartz
8	Cristobarite, Tridymite
9	
10	Tridymite
11	
12	
13	Cristobarite, Alunite
14	Quartz
15	Cristobarite
16	Alunite
17	Cristobarite
18	Cristobarite, Tridymite, Alunite
19	Quartz
20	Quartz, Alunite
21	Cristobarite, Quartz
22	Alunite
23	Quartz
24	Alunite
25	Quartz
26	Tridymite
27	Cristobarite

FILE NAME: SA47100
 DATE: 12-14-1985
 TARGET/FILTER (MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: 0S 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR: T. Sawada
 COMMENT:

SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 50
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : NFS01R

5K



No.	2 Theta	INTEN	d	FWHM	I/I0
1	7.455	11200	15.702	338	84
2	7.555	11200	15.661	329	84
3	15.5	11300	7.316	726	163
4	15.95	11000	7.258	798	160
5	16.5	11000	6.934	755	142
6	17.5	11000	6.516	758	142
7	17.55	11000	6.516	758	142
8	17.55	11000	6.516	758	142
9	17.55	11000	6.516	758	142
10	17.55	11000	6.516	758	142
11	17.55	11000	6.516	758	142

Corresponding Minerals to Peak No.

Sample name; NF S01R	No. Minerals
1	Montmorillonite
2	Montmorillonite
3	Montmorillonite
4	Montmorillonite
5	Montmorillonite, Quartz
6	Montmorillonite, Pyrite
7	Pyrite
8	Pyrite, Nacrite
9	Pyrite
10	Pyrite
11	Pyrite

FILE NAME: SA46100
 TARGET/FILTER (MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR: T. Sawada
 COMMENT:

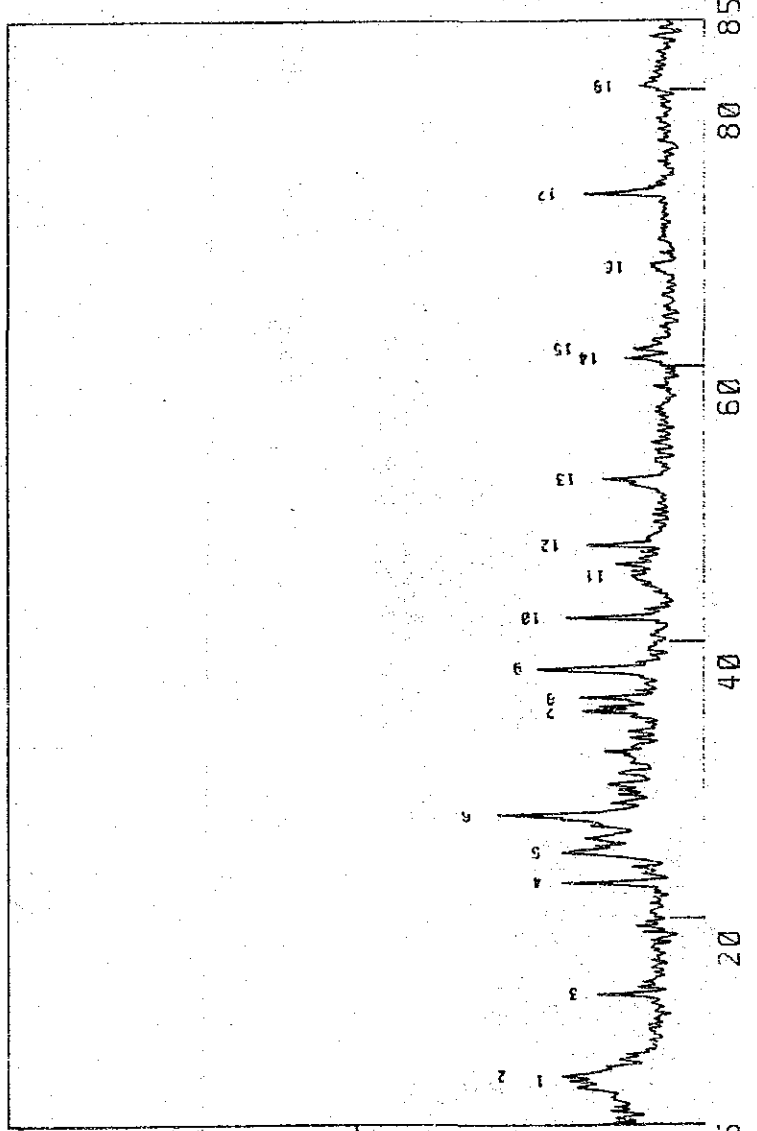
SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 50
 PEAK WIDTH: .1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : NB153R

No.	Theta	INTEN	FWHM	I/I0
1	2.6	968	1.38	4
2	3.6	902	1.44	13
3	4.2	902	1.56	13
4	4.5	149	1.41	1
5	4.5	149	1.41	1
6	4.5	149	1.41	1
7	4.5	149	1.41	1
8	4.5	149	1.41	1
9	4.5	149	1.41	1
10	4.5	149	1.41	1
11	4.5	149	1.41	1
12	4.5	149	1.41	1
13	4.5	149	1.41	1
14	4.5	149	1.41	1
15	4.5	149	1.41	1
16	4.5	149	1.41	1
17	4.5	149	1.41	1
18	4.5	149	1.41	1

.5K

50 .25K



Corresponding Minerals to Peak No.

Sample name: NB 153R	No.	Minerals
	1,2	Montmorillonite
	3	Gypsum?
	4	Natroalunite
	5	Montmorillonite
	6	Plagioclase?
	7	Montmorillonite, Plagioclase*
	8	Pyrite, Plagioclase
	9	Natroalunite, Plagioclase
	10	Pyrite
	11	Montmorillonite
	12	Pyrite, Natroalunite
	13	Pyrite
	14	Pyrite
	15	Natroalunite, Gypsum
	16	Natroalunite
	17	Pyrite, Natroalunite
	18	Montmorillonite, Pyrite

FILE NAME: SA34100
 DATE: 12-15-1985
 TARGET/FILTER (MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: 0.5 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 7
 OPERATOR:
 COMMENT:

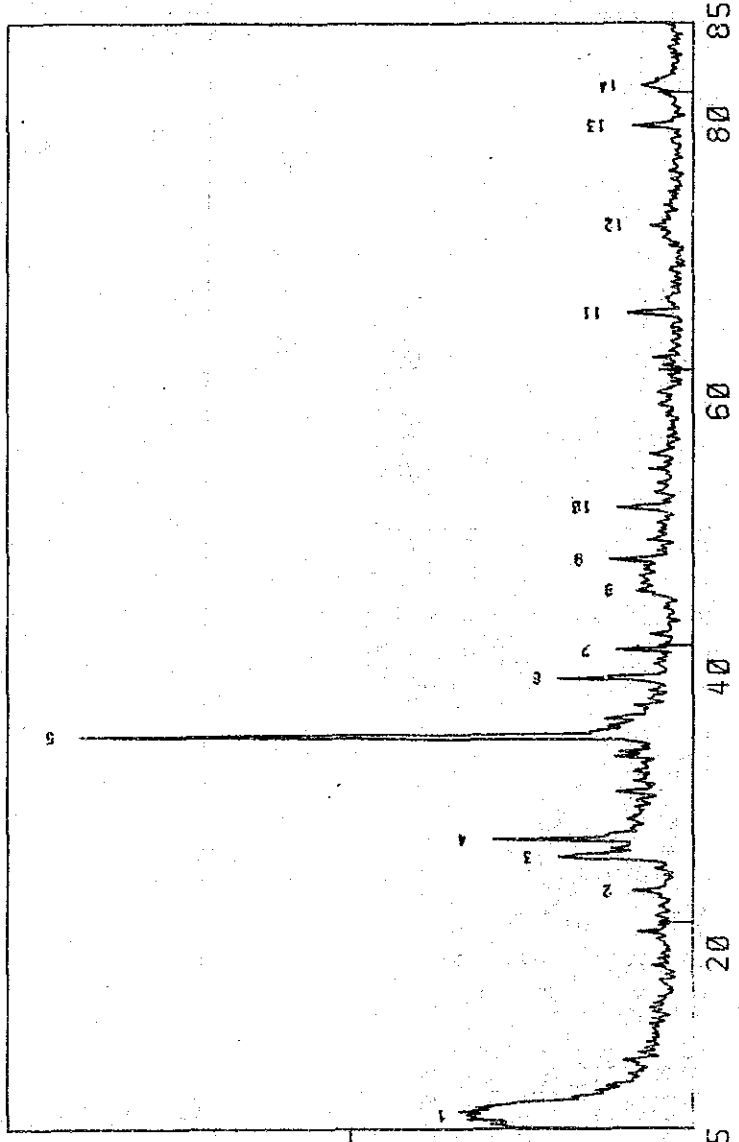
SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 50
 PEAK WIDTH: .1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : NFS04R

No	2	Theta	INTEN	FWHM	I/I0
1	22.38	160	495	0.713	35
2	24.15	47	945	0.375	21
3	26.77	146	430	0.413	10
4	29.44	169	953	0.411	22
5	31.25	188	365	0.411	11
6	34.11	48	548	0.411	22
7	37.46	144	354	0.411	11
8	40.45	111	36	0.411	11
9	41.11	111	36	0.411	11
10	41.11	111	36	0.411	11
11	41.11	111	36	0.411	11
12	41.11	111	36	0.411	11
13	41.11	111	36	0.411	11
14	41.11	111	36	0.411	11

Corresponding Minerals to Peak No.

Sample No.	Minerals
1	Montmorillonite
2	Montmorillonite
3	Quartz, Tridymite
4	Quartz, Tridymite
5	Tridymite, Orthoclase?
6	Malachite?
7	Montmorillonite, Orthoclase?
8	Quartz
9	Quartz, Tridymite
10	Quartz
11	Quartz
12	Quartz
13	Quartz
14	Montmorillonite, Orthoclase?



.5K
.25K

FILE NAME: SA43100
 TARGET/FILTER(MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR:
 COMMENT:

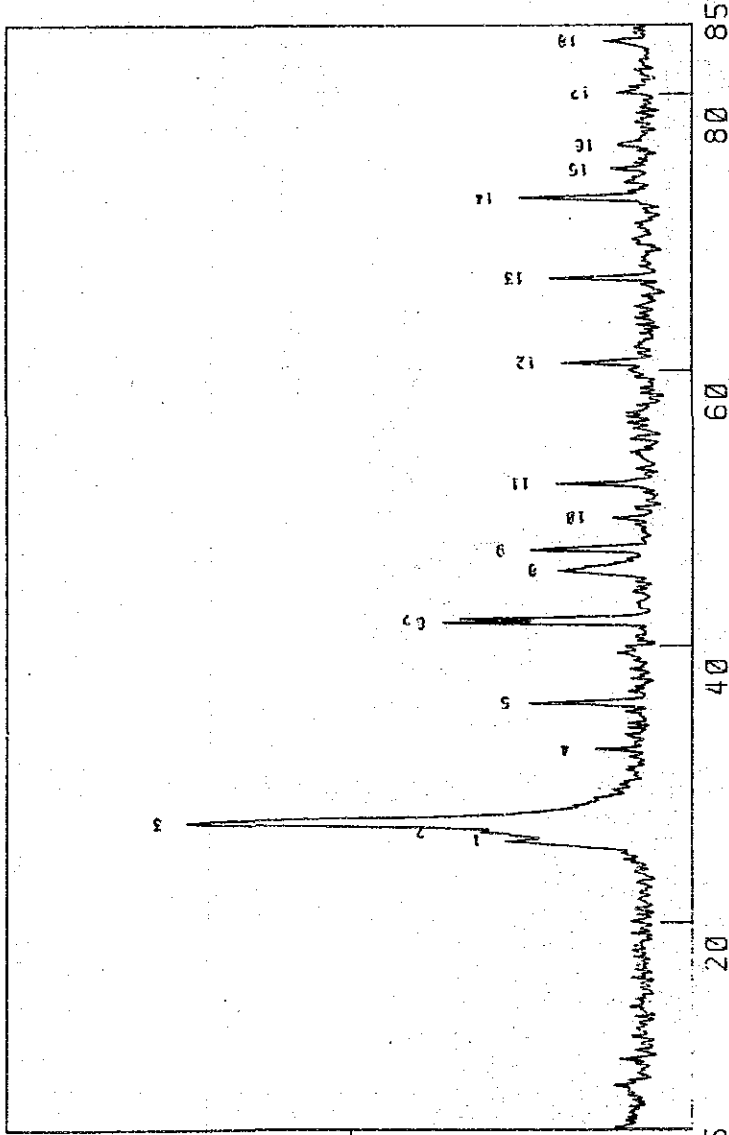
DATE: 12-15-1985
 SMOOTHING: 7
 DIFFERENTIAL: 9
 PEAK HEIGHT: 50
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : 100703
 K

No.	Th	2θ	INTEN	d	FWHM	I/I ₀
1	2.5	35.5	135	4.3	488	1/10
2	2.2	35.5	56	4.2	263	1/10
3	2.2	35.5	56	4.2	263	1/10
4	2.2	35.5	56	4.2	263	1/10
5	2.2	35.5	56	4.2	263	1/10
6	2.2	35.5	56	4.2	263	1/10
7	2.2	35.5	56	4.2	263	1/10
8	2.2	35.5	56	4.2	263	1/10
9	2.2	35.5	56	4.2	263	1/10
10	2.2	35.5	56	4.2	263	1/10
11	2.2	35.5	56	4.2	263	1/10
12	2.2	35.5	56	4.2	263	1/10
13	2.2	35.5	56	4.2	263	1/10
14	2.2	35.5	56	4.2	263	1/10
15	2.2	35.5	56	4.2	263	1/10
16	2.2	35.5	56	4.2	263	1/10
17	2.2	35.5	56	4.2	263	1/10
18	2.2	35.5	56	4.2	263	1/10

.5K

.25K



Corresponding Minerals to Peak No.

Sample name: K100703

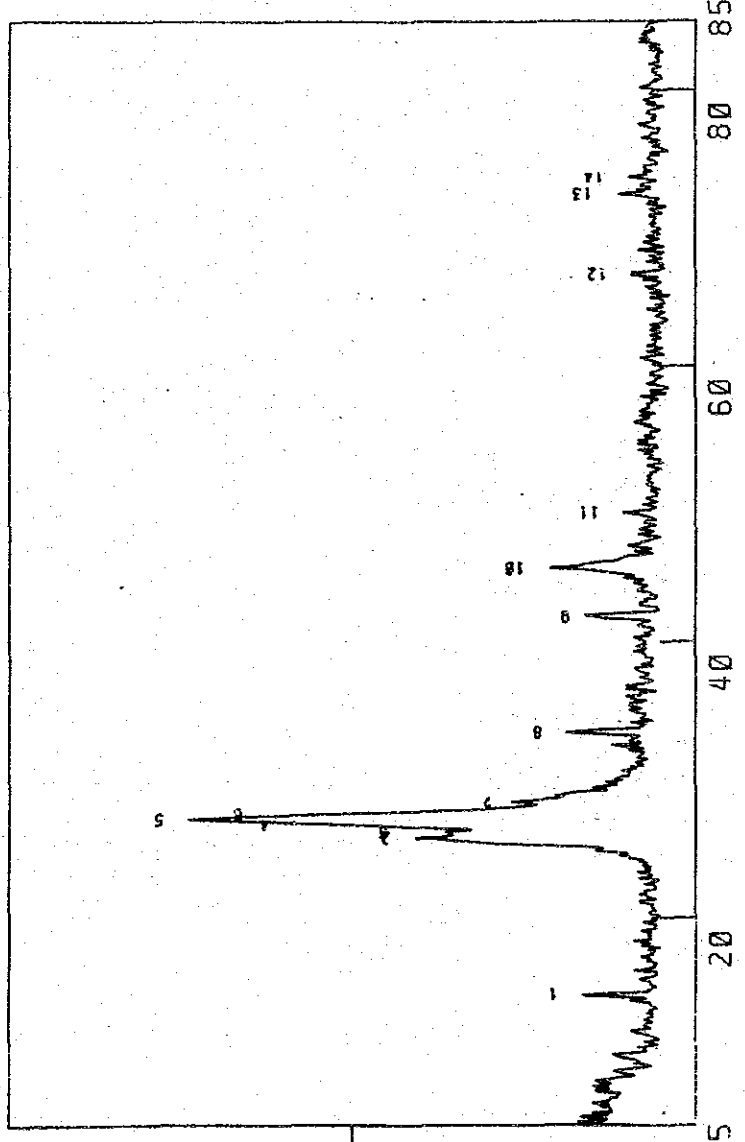
No.	Minerals
1	Tridymite
2,3	Cristobarite, Tridymite
4	Marcasite
5	Cristobarite, Pyrite
6	Marcasite
7	Pyrite, Tridymite
8	Cristobarite
9	Pyrite
10	Marcasite, Tridymite
11	Pyrite
12	Pyrite
13	Marcasite, Cristobarite
14	Pyrite
15	Marcasite
16	Pyrite
17	Pyrite
18	Pyrite

FILE NAME: SA45100
 DATE: 12-15-1985
 TARGET/FILTER (MONOCHRO): Fe
 VOLTAGE/CURRENT: 35KV 15mA
 SLITS: DS 1 RS .15
 SCAN SPEED: 4 DEG/MIN.
 STEP/SAMPLING: .05 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR: T. Sawada
 COMMENT:

SMOOTHING: 7
 DIFFERENTIAL: 5
 PEAK HEIGHT: 100
 PEAK WIDTH: 1
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

K
 Sample Name : 100705

No.	Theta	INTEN	FWHM	I/I0
1	14.5	162	7.6	22
2	15.0	144	4.3	48
3	16.0	220	4.1	70
4	17.6	220	4.1	70
5	18.5	220	4.1	70
6	20.5	175	3.3	45
7	21.5	584	2.2	28
8	23.5	42	1.5	4
9	25.5	43	1.1	1
10	27.5	45	1.1	1
11	28.5	43	1.1	1
12	29.5	45	1.1	1
13	30.5	43	1.1	1
14	31.5	45	1.1	1



Corresponding Minerals to Peak No.

Sample name; K100705	Minerals
1	Renardite?
2	Tridymite, Renardite?
3	
4-6	Cristobarite, Tridymite
7	Quartz?
8	Pyrite, Marcasite
9	Cristobarite, Tridymite
10	Tridymite, Marcasite
11	Marcasite
12	Cristobarite, Tridymite
13	
14	

Appendix 5-2 X-Ray Diffraction Chart Northern Leyte Area

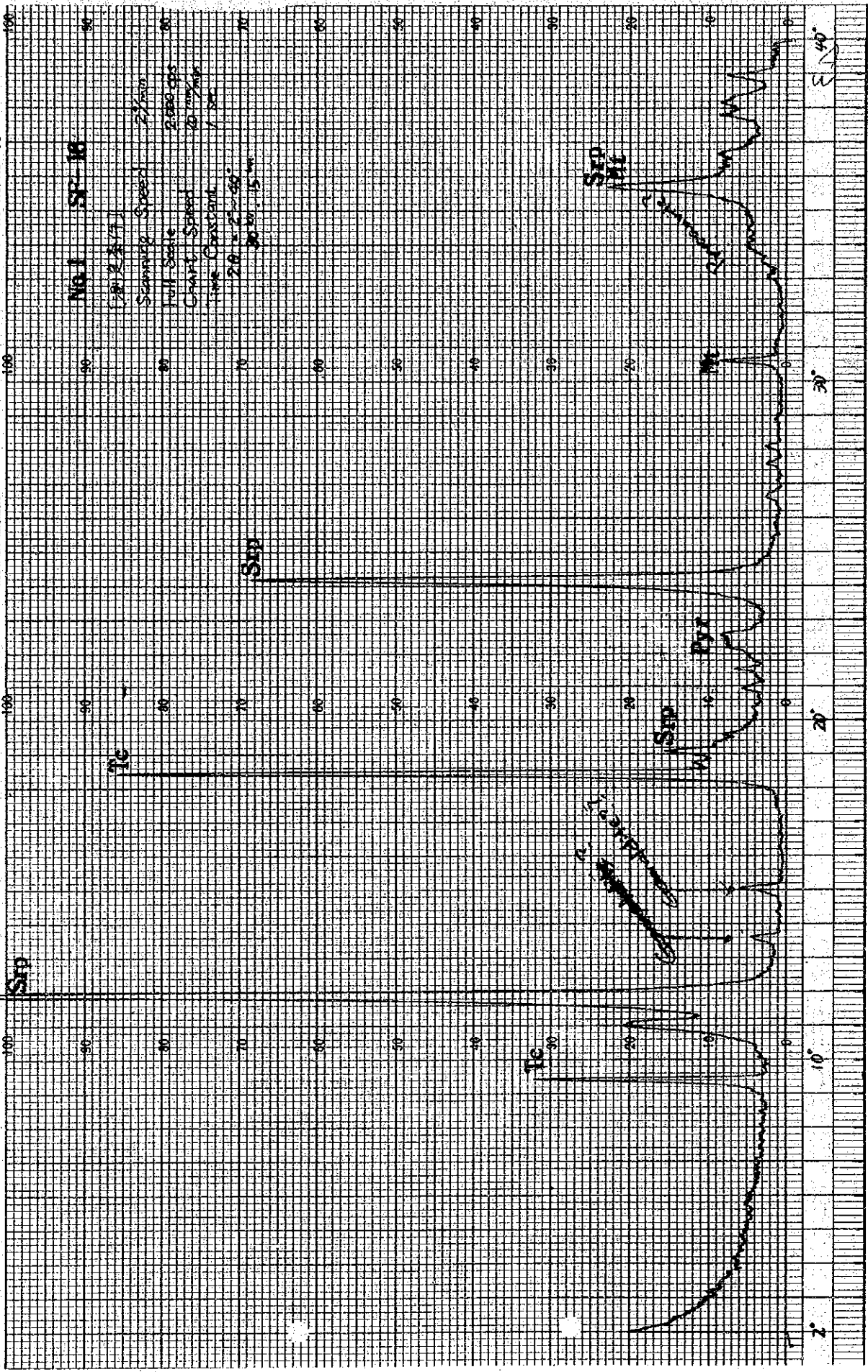
No.	Sample No.	q	cri	tri	or	pl	mu	mo	ch	gy	al	ser	nac	cor	diop	py	pyr	mar	cup	hem	mal	tet	dol	ren
1	AVC01 061085					⊙	○		⊙					○	○									
2	K 100502	⊙		○		⊙			⊙										•					
3	K 100601	⊙														⊙								
4	K 100605	⊙				⊙			⊙			○												
5	K 100606	○				⊙			⊙										○					
6	K 100706		⊙	⊙														○						
7	K 100707							○		⊙						○							⊙	
8	AVC3 101085	⊙							⊙															
9	NFS 09R	⊙							⊙								⊙						⊙	
10	AVC03 061085								⊙											⊙				
11	X 100905	⊙				⊙			⊙															
12	K 100907					⊙			⊙															⊙
13	K 100701					⊙																		
14	NFS 02R	⊙	⊙	⊙							⊙													
15	NFS 01R	⊙																○						
16	NB 153R					⊙				○														
17	NFS 04R	⊙		⊙	○				⊙														○	
18	K 100703		⊙	⊙																			⊙	
19	K 100704	○						⊙		⊙													○	
20	K 100705	○	⊙	⊙																			○	⊙

q ; quartz
 cri ; cristobarite
 tri ; tridymite
 or ; orthoclase
 pl ; plagioclase
 mu ; muscovite
 mo ; montmorillonite
 ch ; chlorite
 gy ; gypsum
 al ; alumite
 sr ; serpentine
 nac ; anacrite
 cor ; cordierite
 diop ; diopside
 py ; pyrite
 pyr ; pyrothite
 mar ; marcasite
 cup ; cuprite
 hem ; hematite
 mal ; malachite
 tet ; tetrahedrite
 dol ; dolomite
 ren ; renardite
 ⊙ ; abundant
 ○ ; medium amount
 ◌ ; small amount
 ◌ ; extra-small amount

CHART NO. KC-01

KOBAYASHI INSTRUMENTS

CHART NO. KC-01



No. 1 SF-16

2012-1-17
 Scanning Speed 2700
 Full Scale 2500 cps
 Chart Speed 20 mm/min
 Time Constant 1 sec
 2.0 x 25-40
 30 sec 15 min

40'

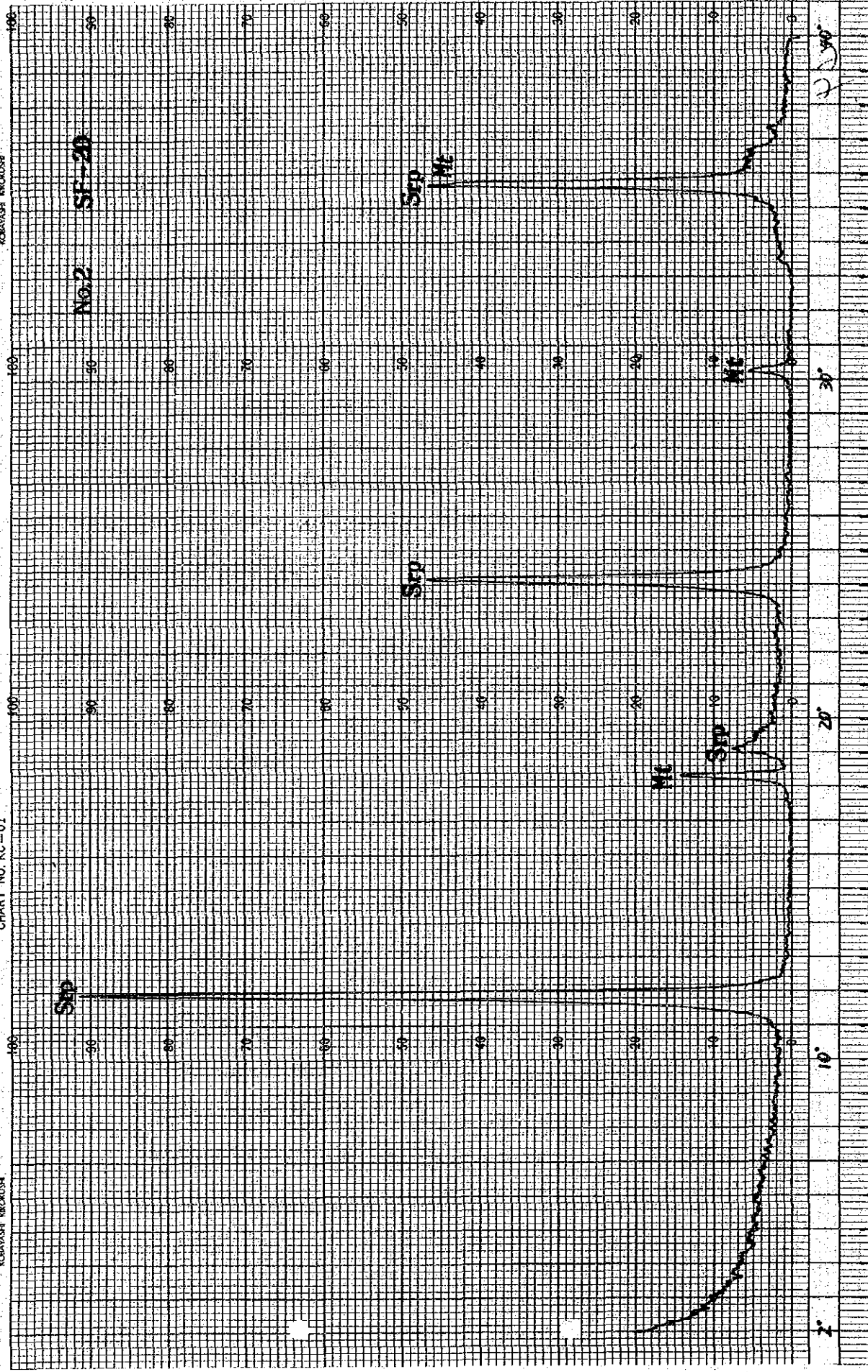
30'

20'

10'

0'

No.2 SF-20



10

20

30

40

100

CHART NO. KC-01

KOBAYASHI WIKOSUSHI

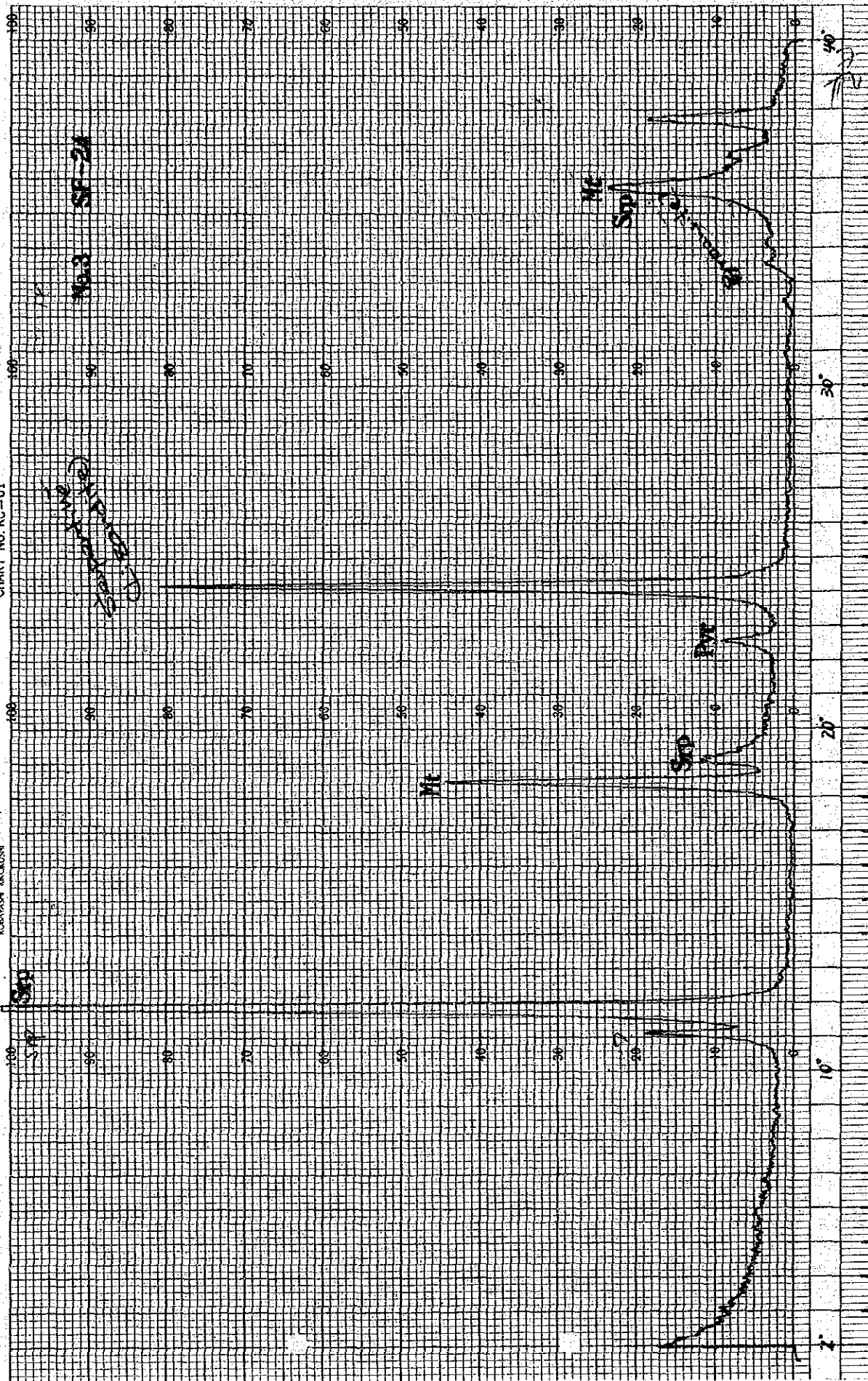
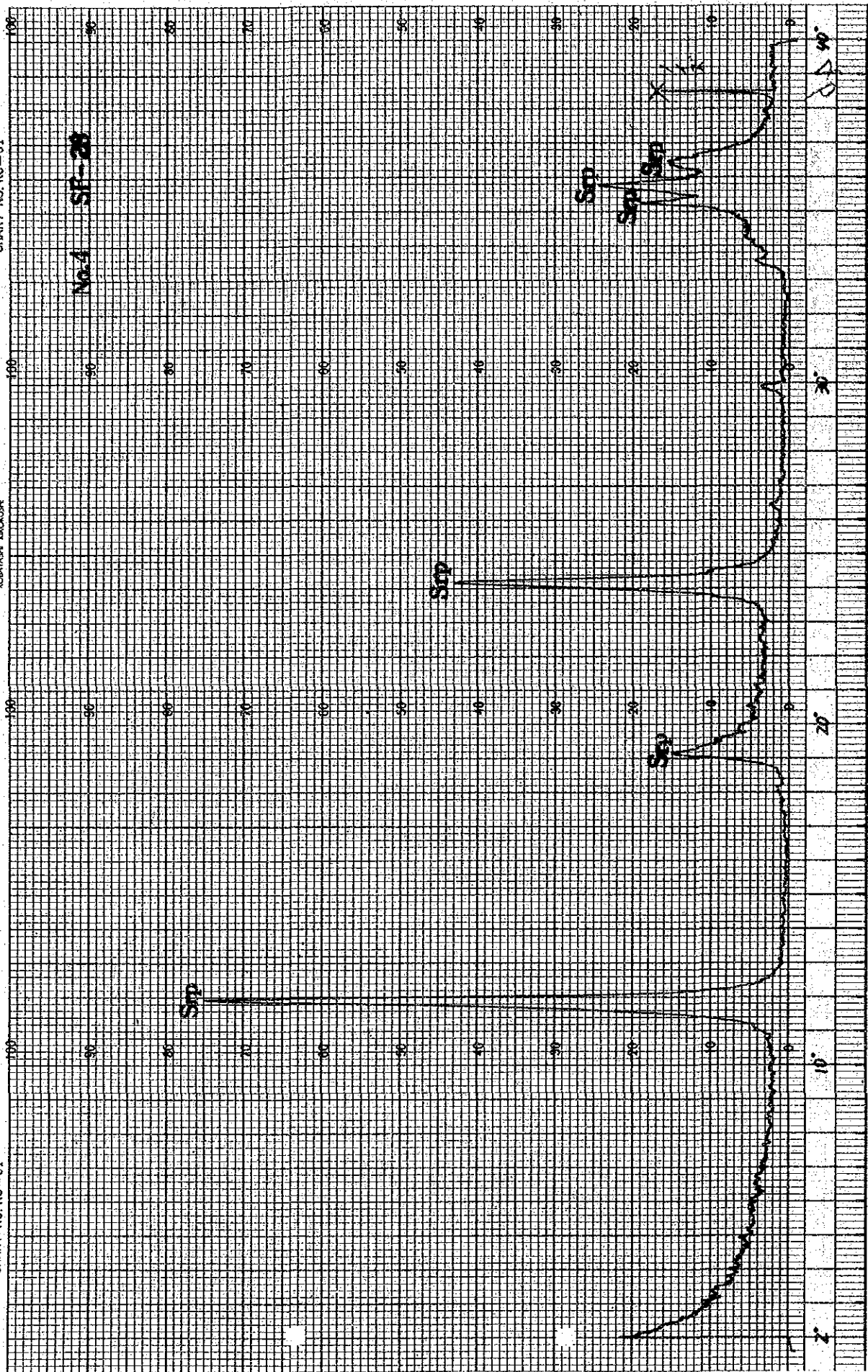


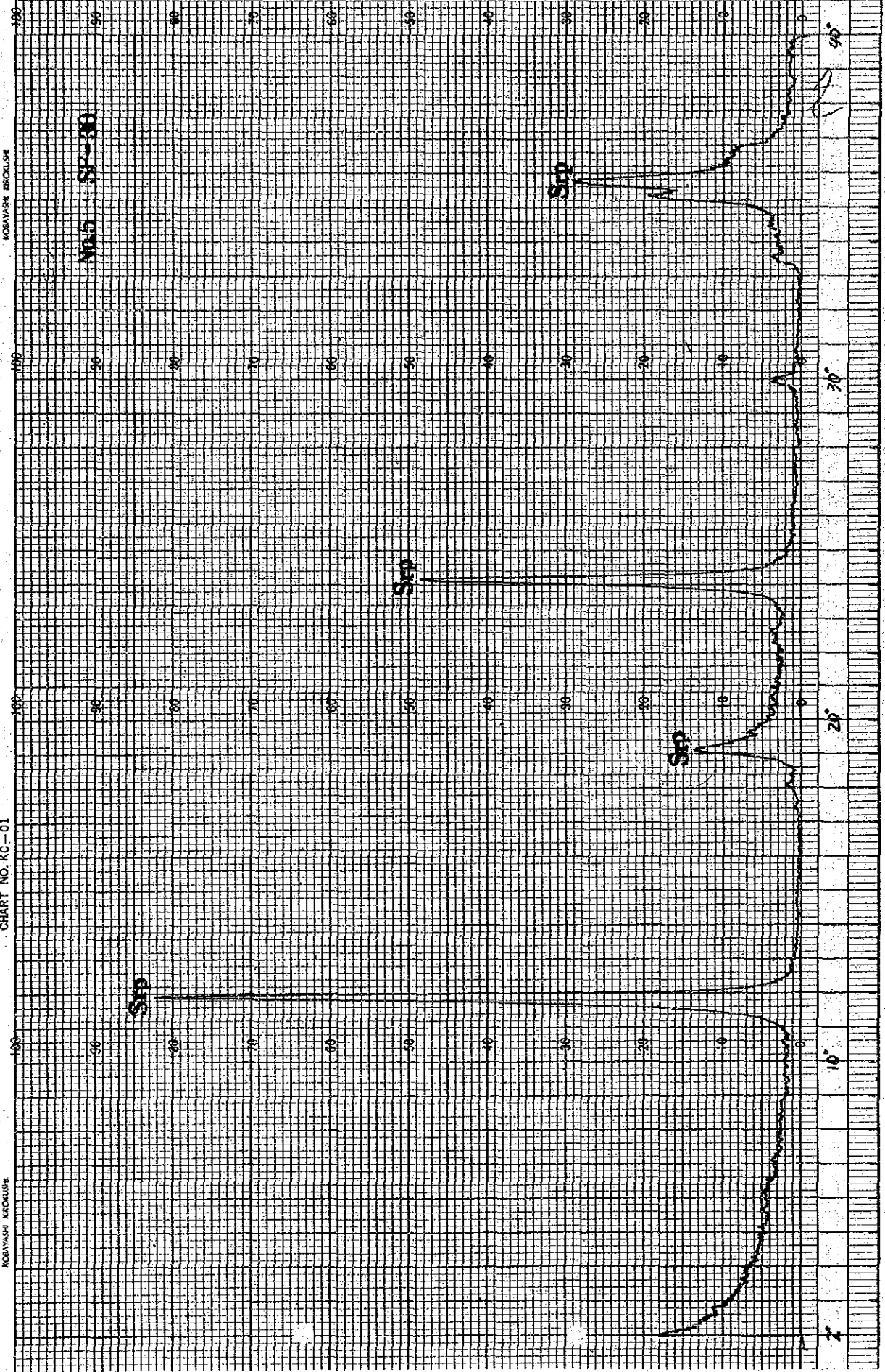
CHART NO. KC-01

CHART NO. KC-01

KONVANSK BEOBLUK

No. 1 SF-20





KOBAYASHI RECORDING

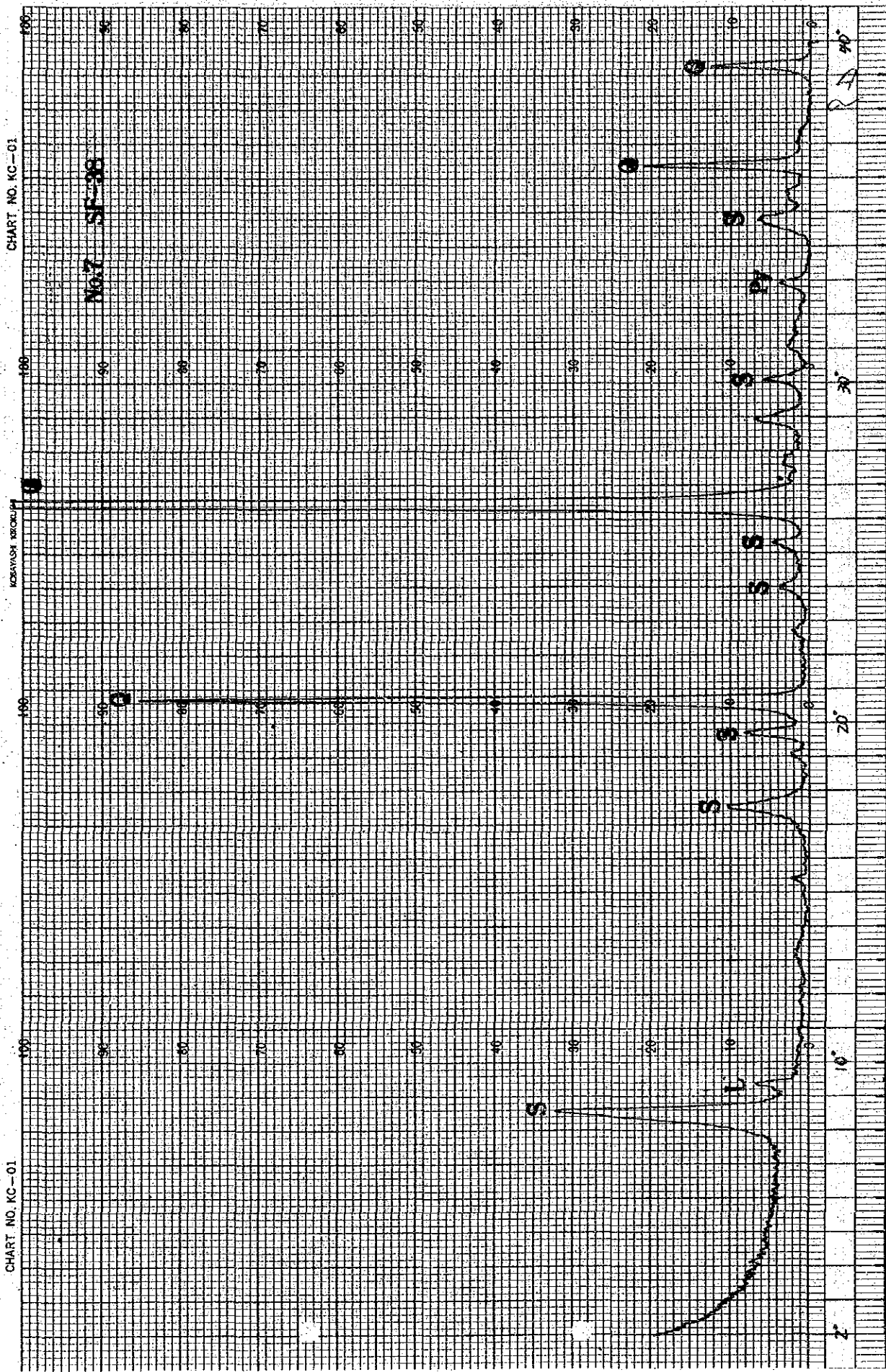
CHART NO. KC-01

KOBAYASHI RECORDING

NO. 5 SF-100

CHART NO. KC-01

CHART NO. KC-01



No. 7 SF-38

COUNTS PER SECOND

0

10°

20°

30°

40°

100

100

100

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80

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KODAYASHI KIKOSUKE

CHART NO. KC-01

KODAYASHI SEIKUJI

No. 8 S0-28

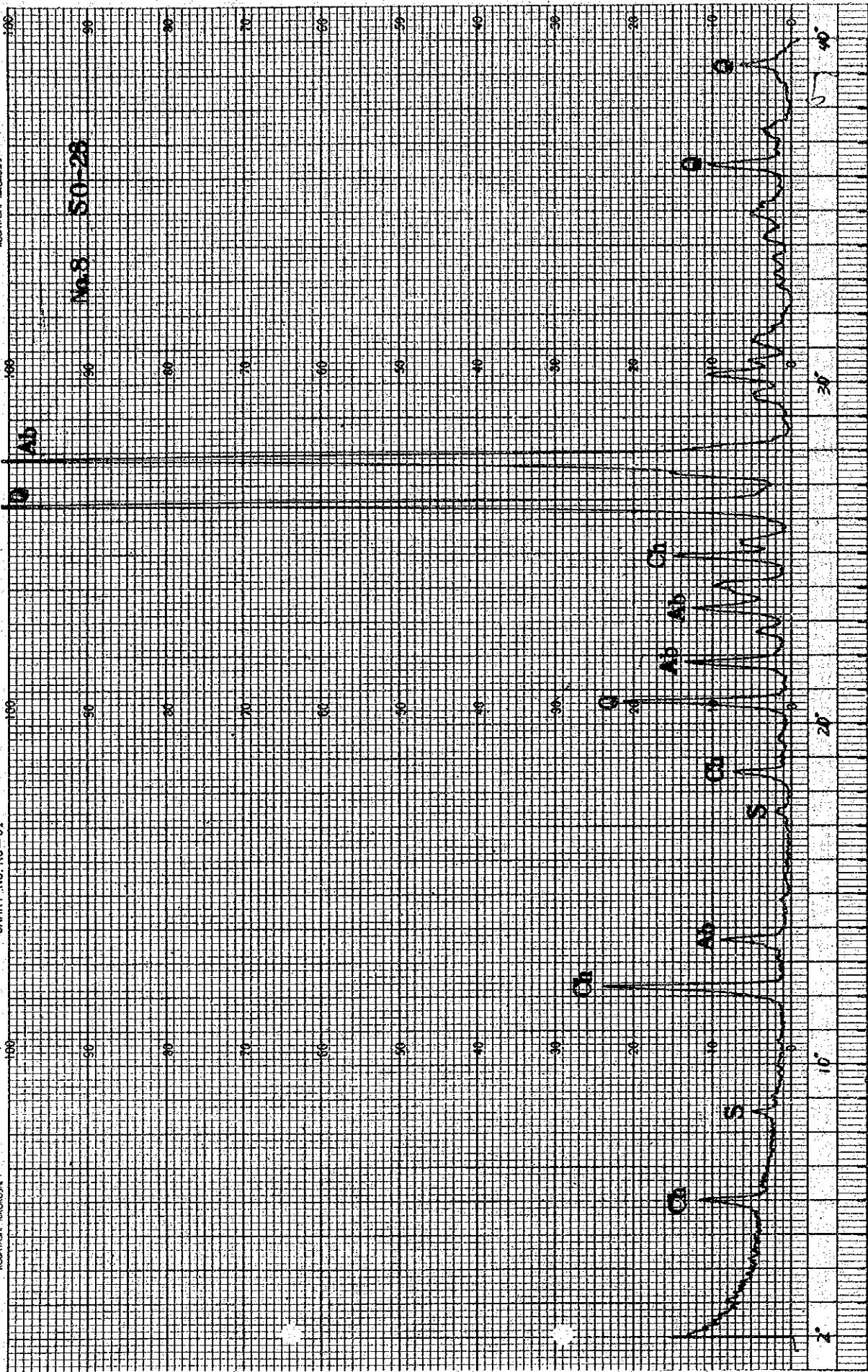


CHART NO. KC-01

KOBAYASHI, BEKULSHI

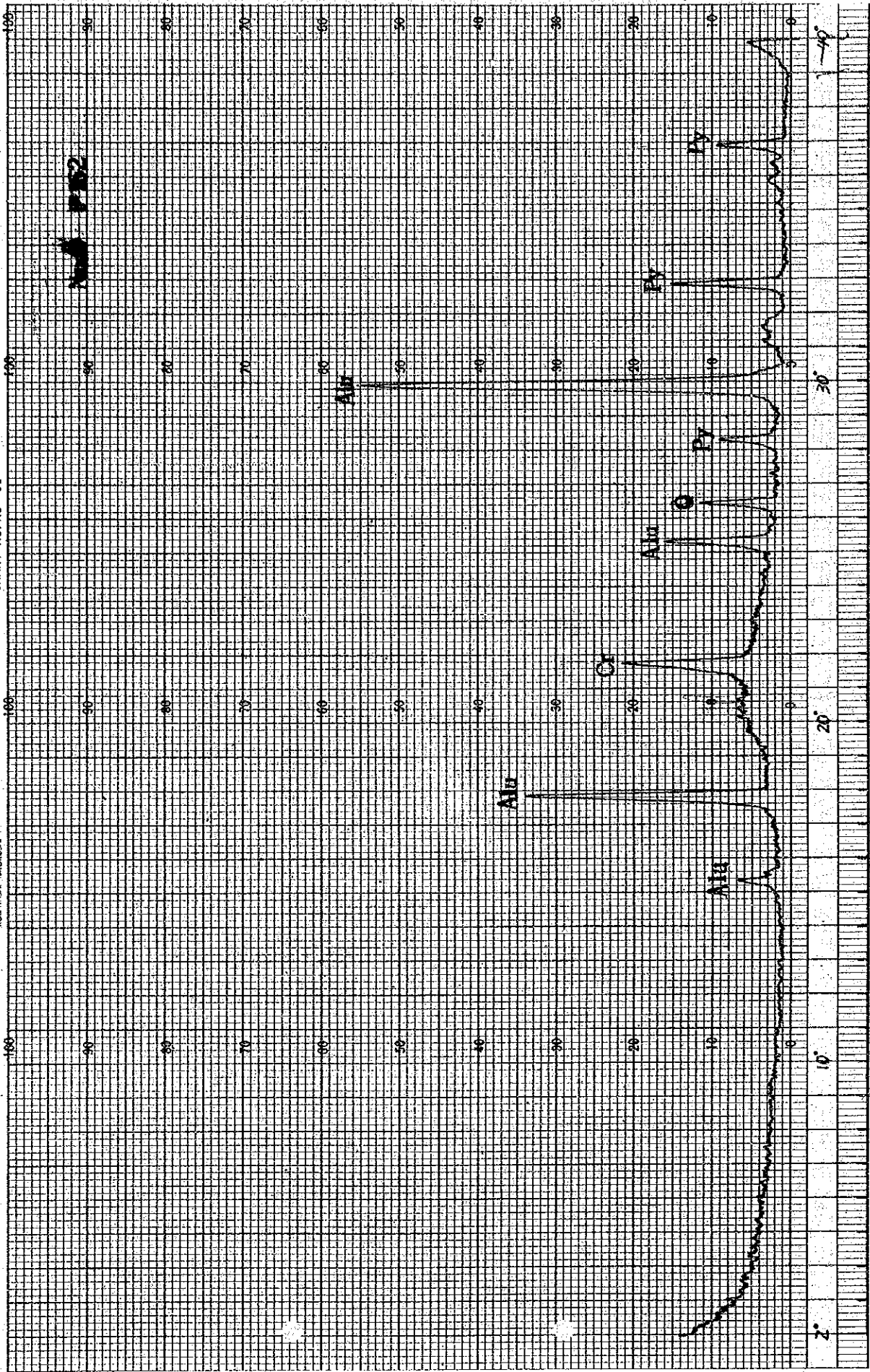
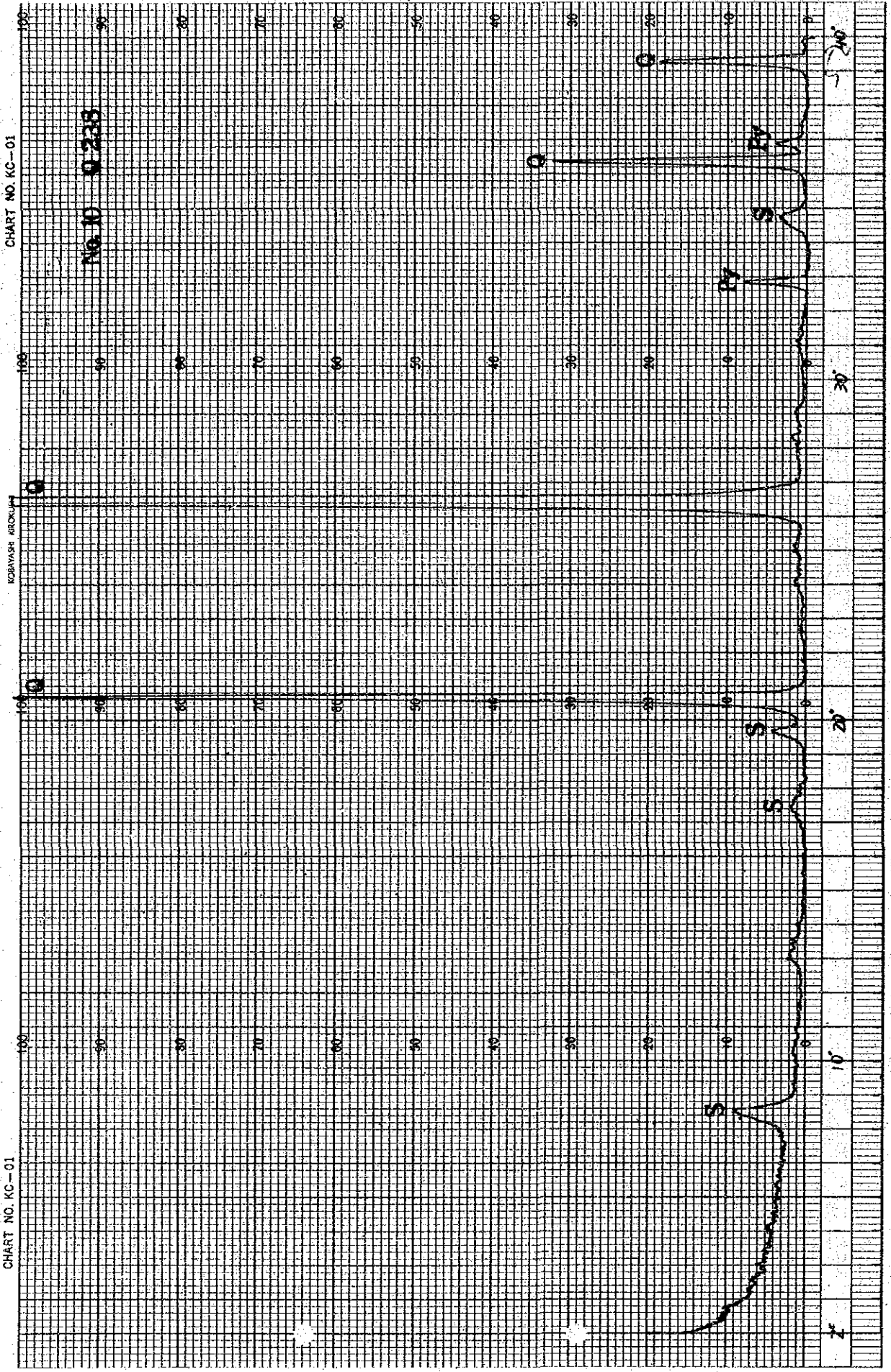


CHART NO. KC-01

CHART NO. KC-01

NO. 10 Q-228



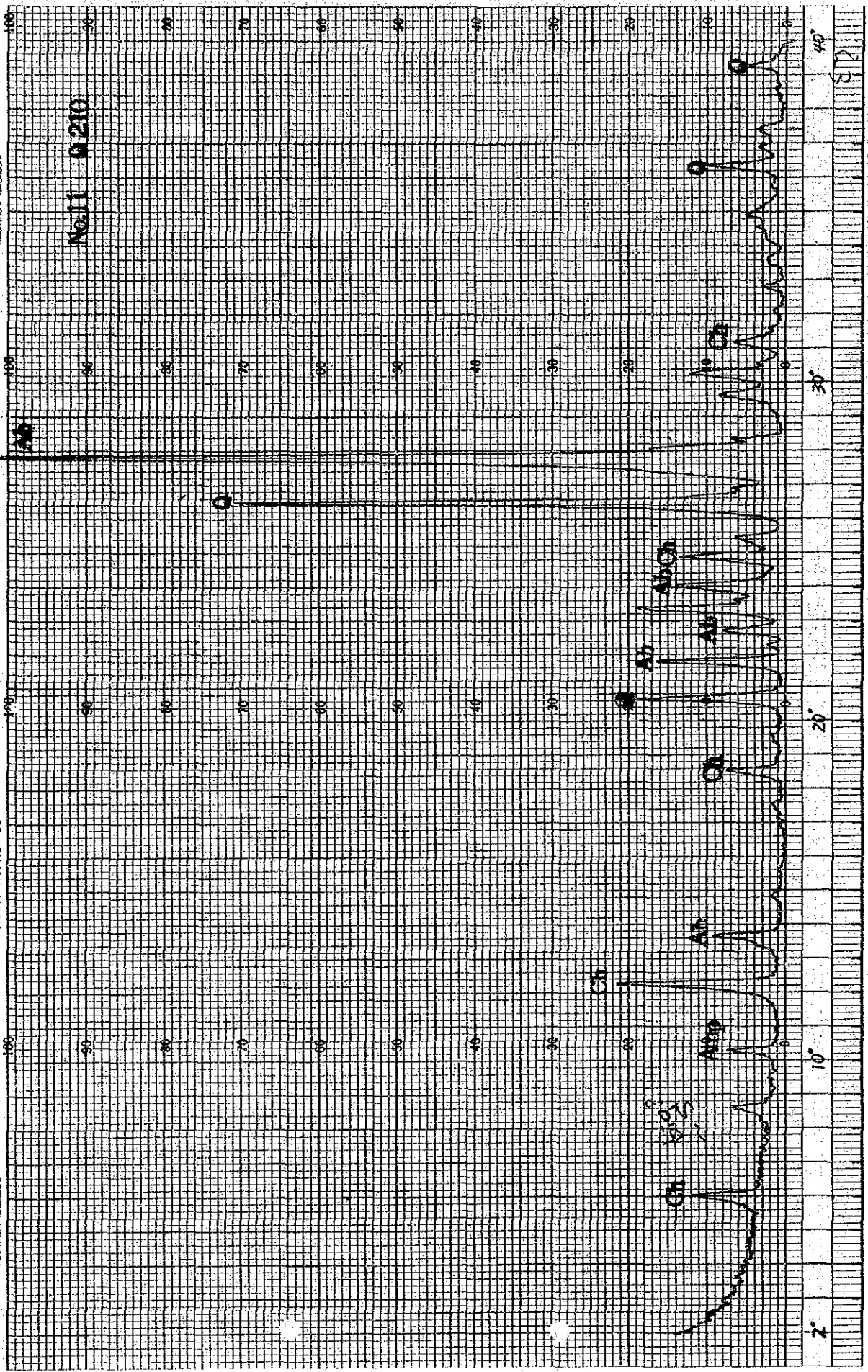
KOBAYASHI KIKOKU

KOBAYASHI MOKUSHI

CHART NO. KC-01

KOBAYASHI MOKUSHI

NO. 11 0.210



2

10'

20'

30'

40'

FR

CHART NO. KC-01

KODAVASE RECORDS

CHART NO. KC-01

No. 13 R-248

