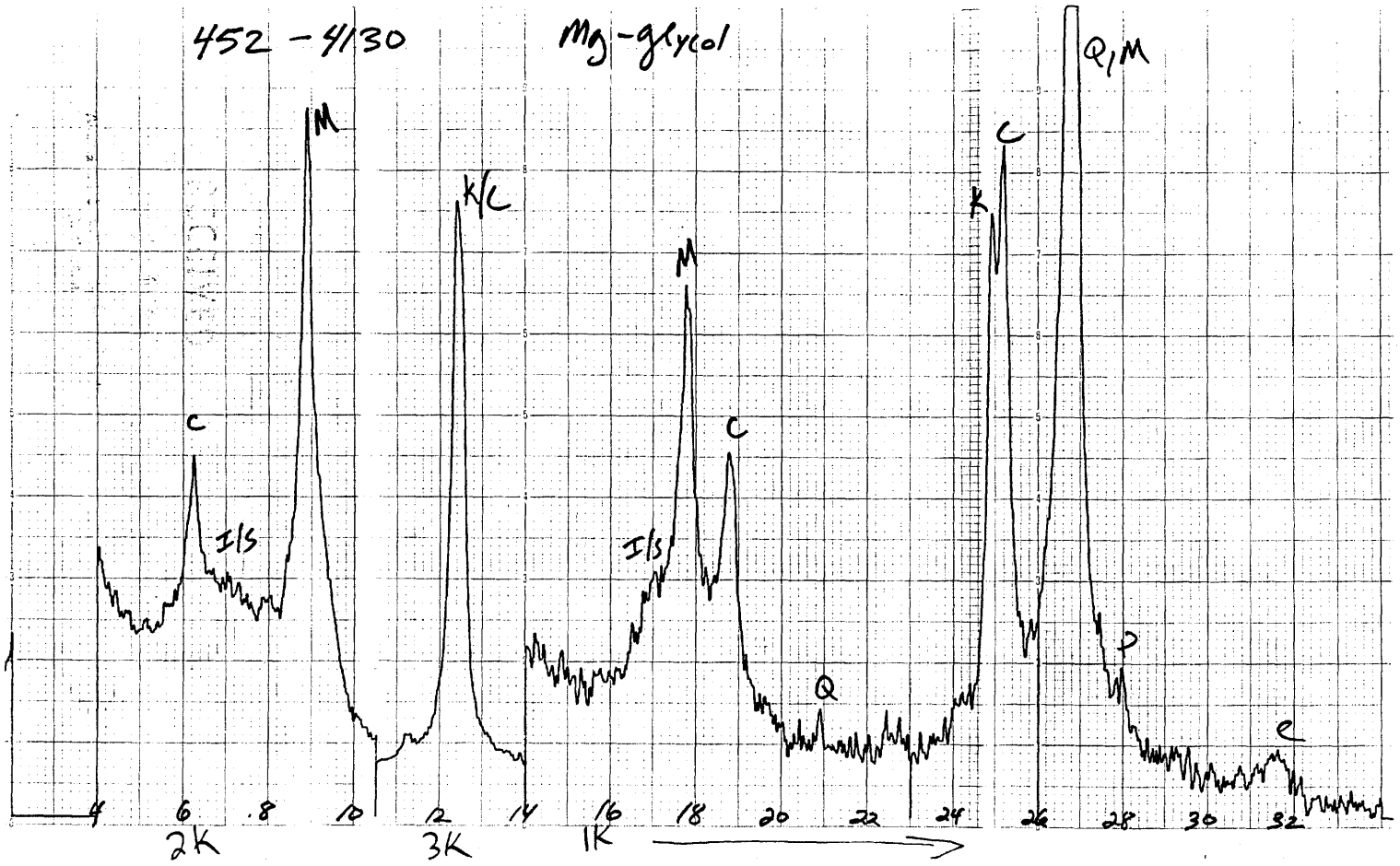
A

Drew Point No. 1 (St. No. 452)

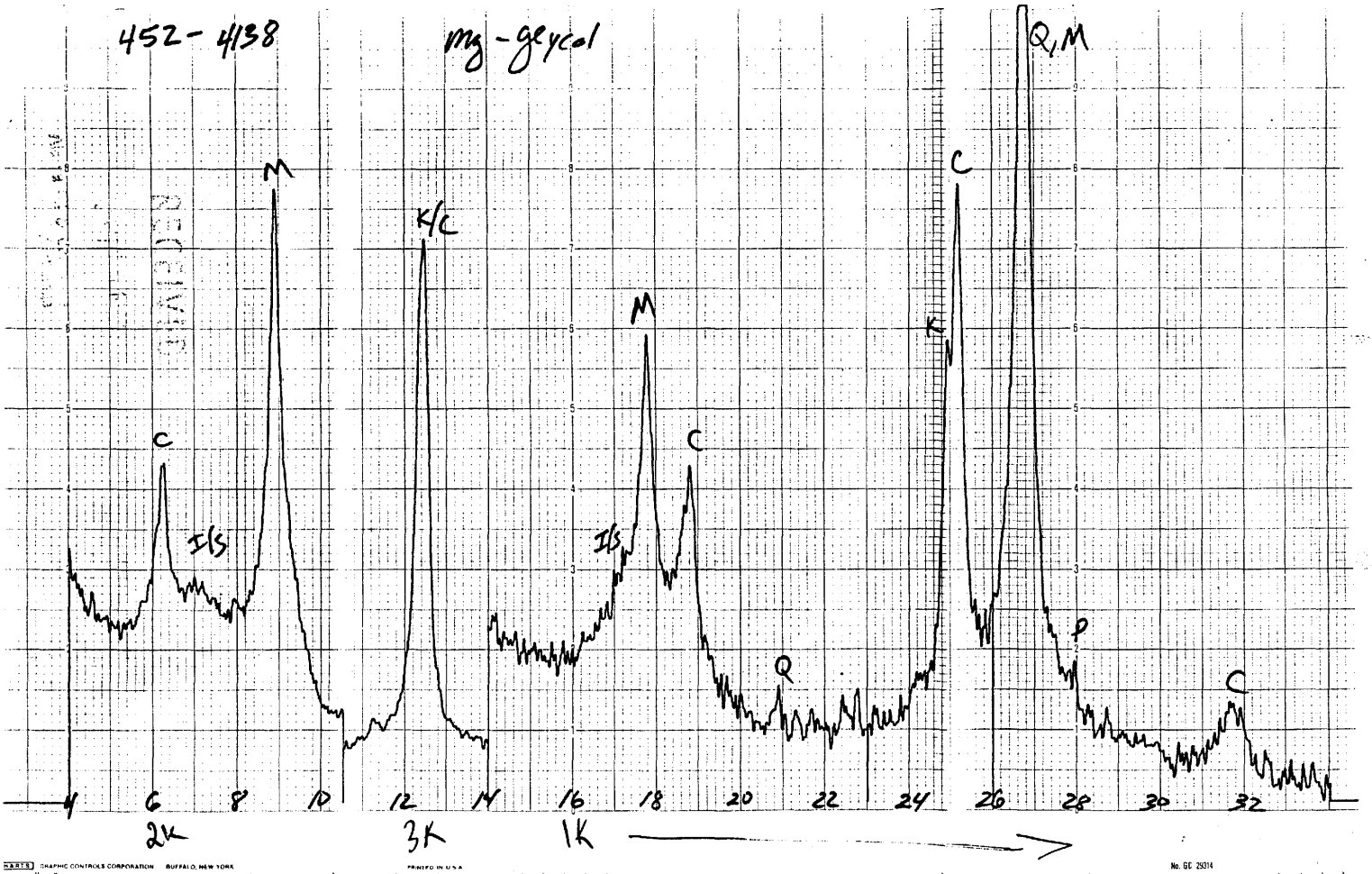
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
4130	-	MIN	MAJ	MAJ	MOD	Q,P
4138	-	MIN	MAJ	MAJ	MOD	Q,P
5530	-	MIN	MAJ	MAJ	MOD	Q,P
5531	-	MIN	MAJ	MAJ	MIN	Q,P
5900	-	MIN	MAJ	MAJ	MIN	Q,P
5909	-	MIN	MAJ	MAJ	MIN	Q,P
5917	-	MIN	MAJ	MAJ	MIN	Ql,Pl,D
6350-60	-	MIN	MAJ	MAJ	MIN	Q,P
6600-20	-	MIN	MAJ	MAJ	MIN	Q,P,CA
6710-20	-	MIN	MAJ	MOD	MOD	Q,P
6800-10	-	MIN	MAJ	MOD	MOD	Ql,P
6905	-	MIN	MAJ	MIN	MAJ	Ql
6920	-	MIN	MAJ	MIN	MAJ	Ql
6940	-	TR	MAJ	MIN	MAJ	Ql
7002	-	MIN	MOD	MAJ	-	Ql
7093	-	MOD	MOD	MOD	MOD	Q,CAl

Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, D = Dolomite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.
1 = weak, 2 = moderate, 3 = strong xrd peak

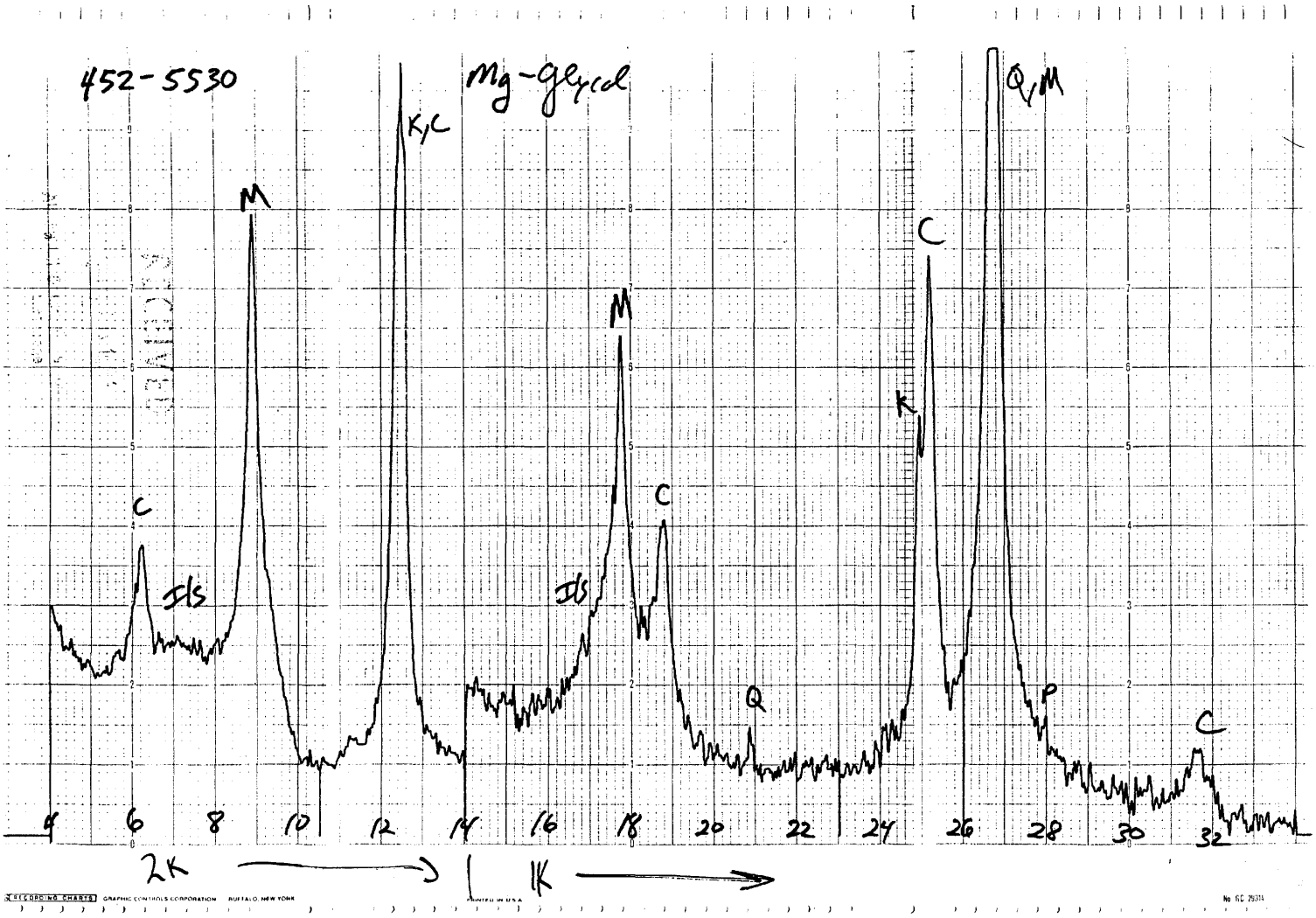
RECEIVED

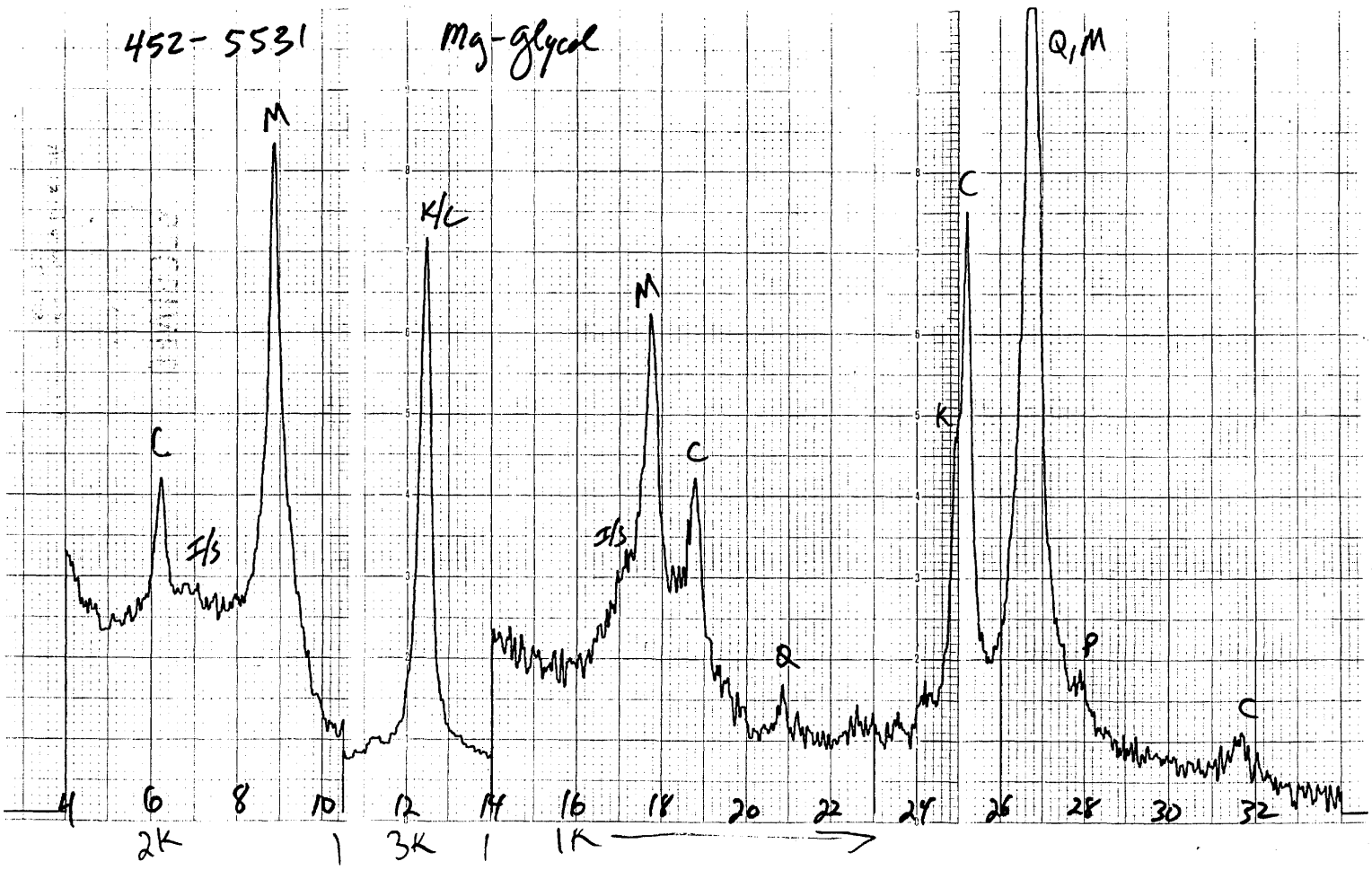


No. GC 29314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK
PRINTED IN U.S.A.

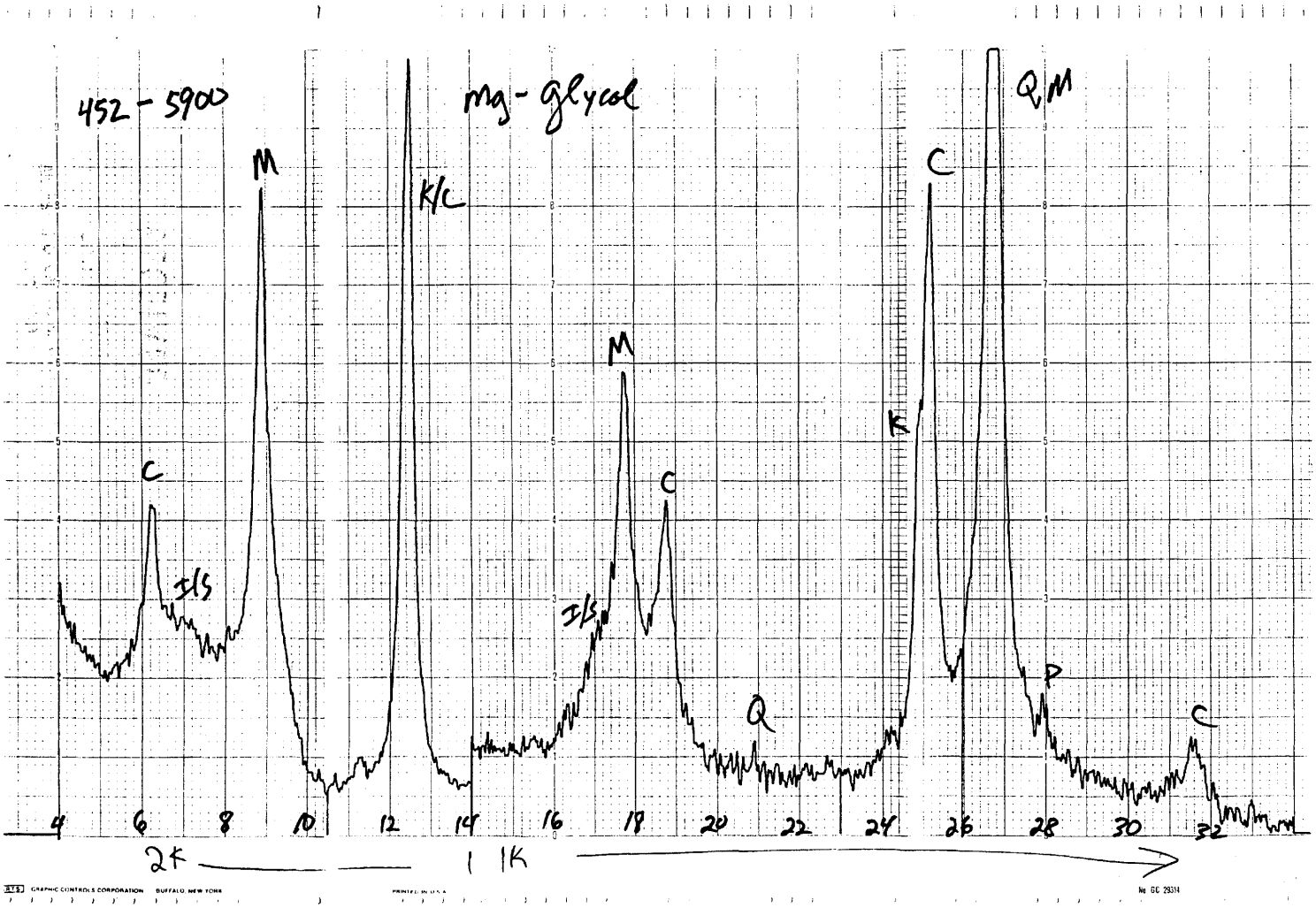


HARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A. No. GC 29314

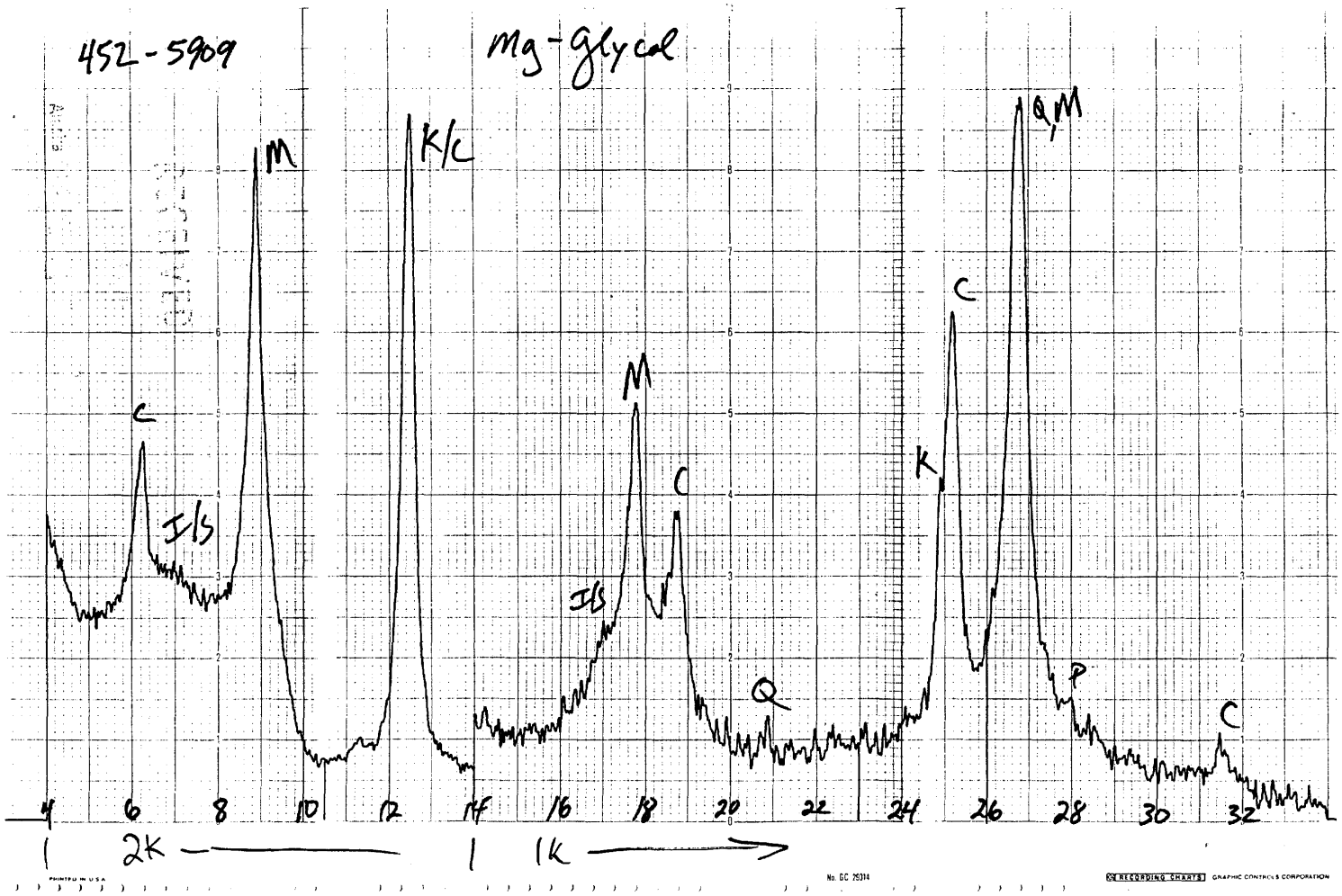

452-5530
Mg-glycol
M
K,C
M
C
K
C
Q,M
C
Ils
Ils
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.
No. GC 25314

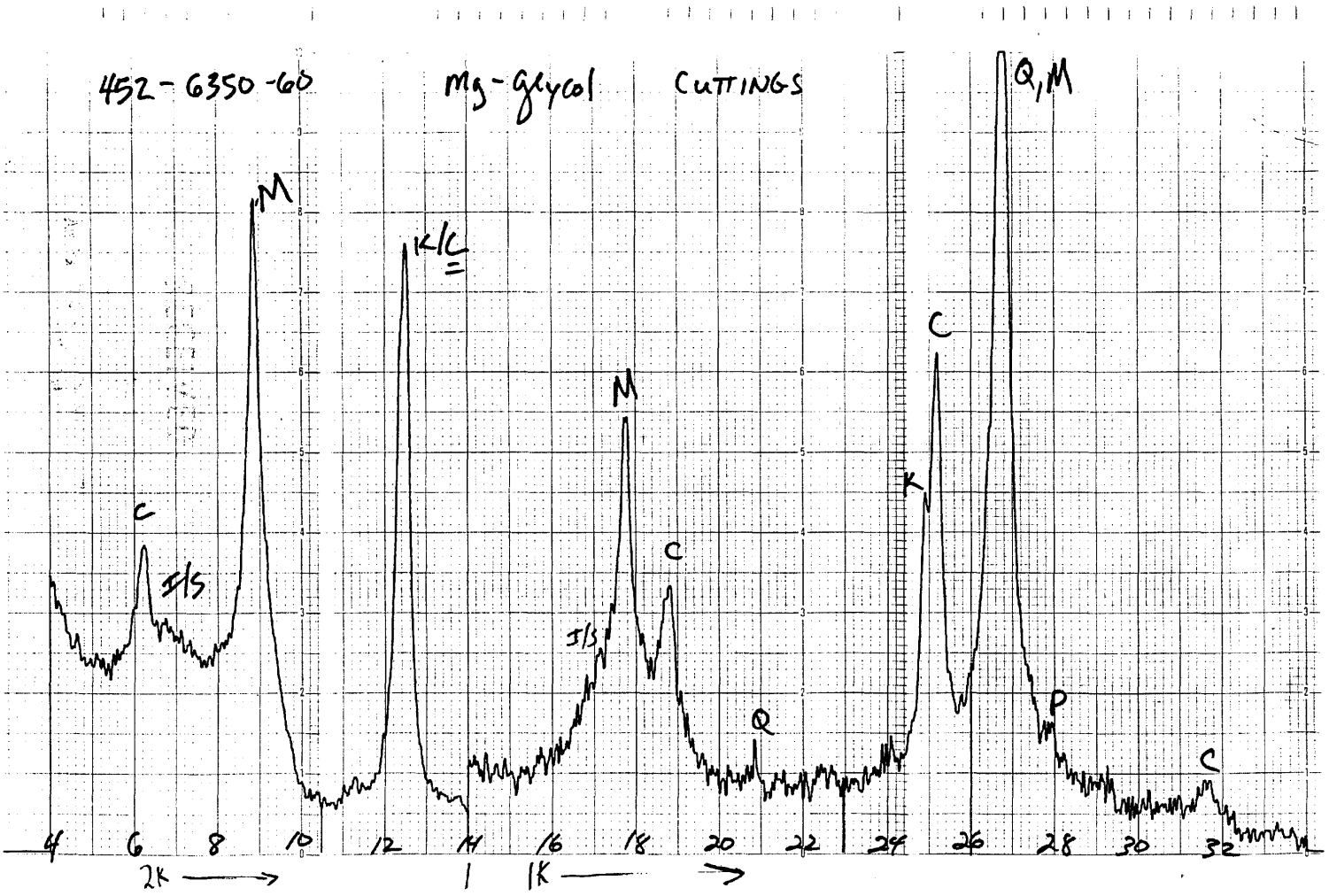


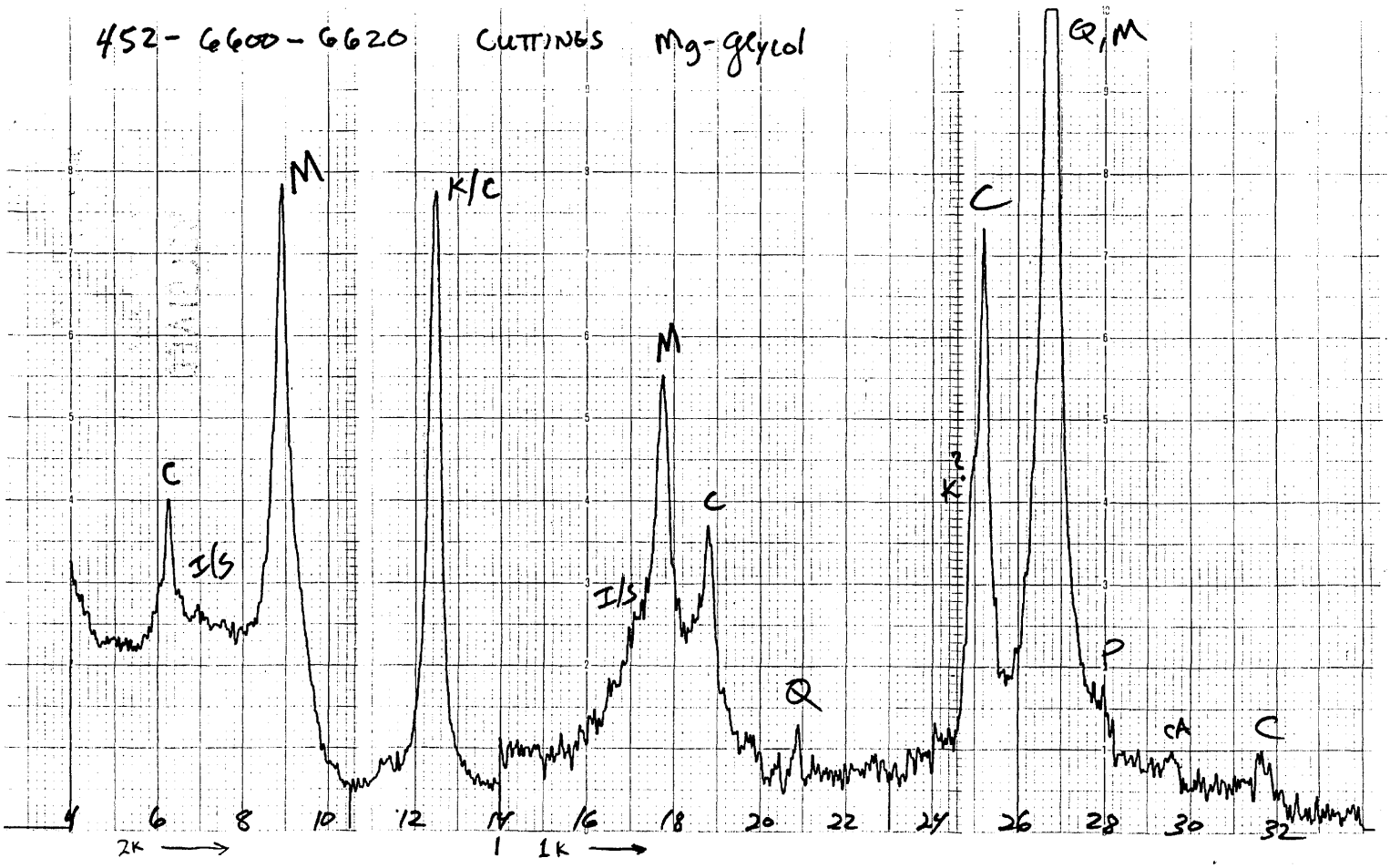
GC 29314 RECORDING CHART GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.



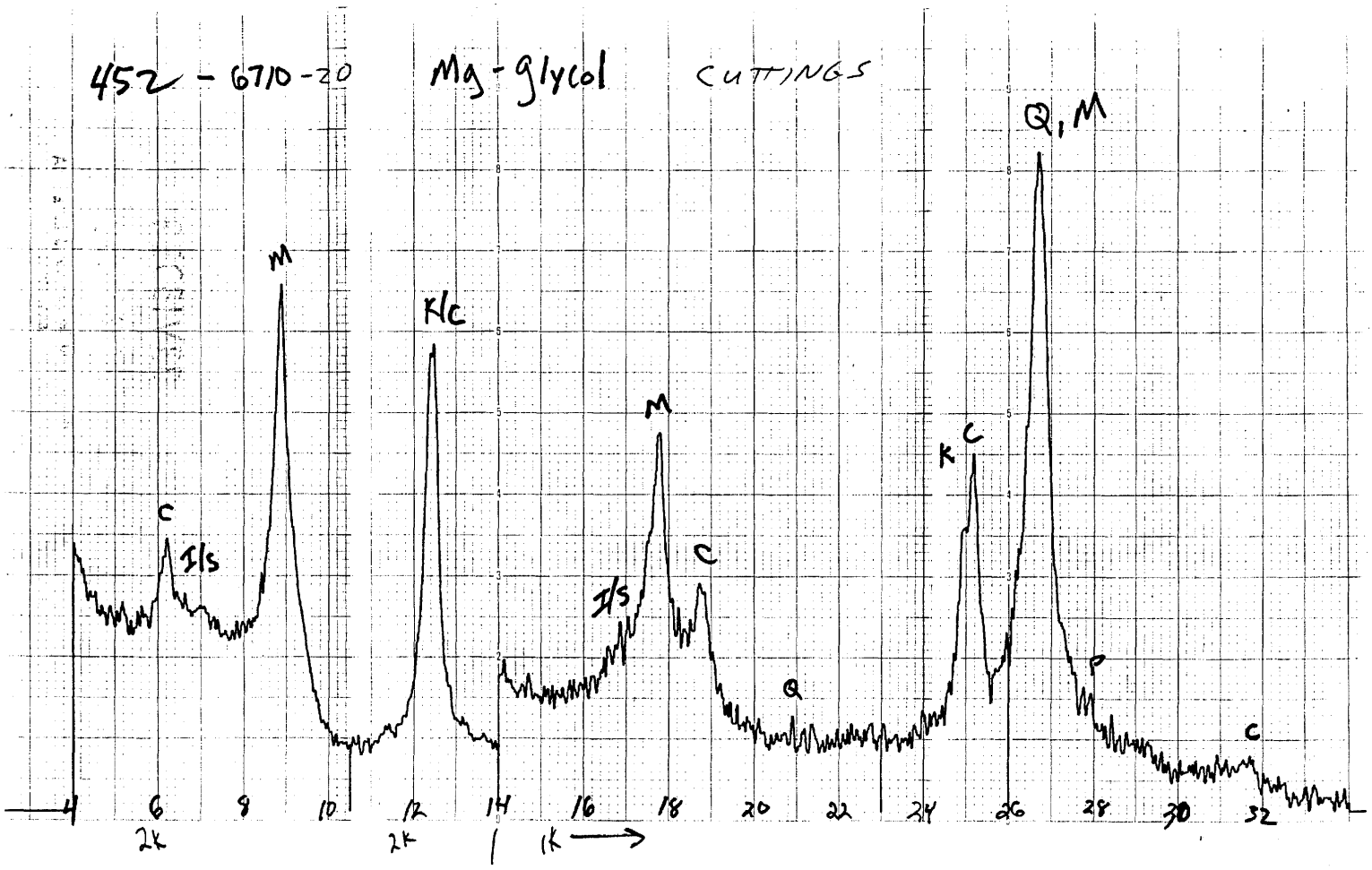
GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A. No. GC 29314

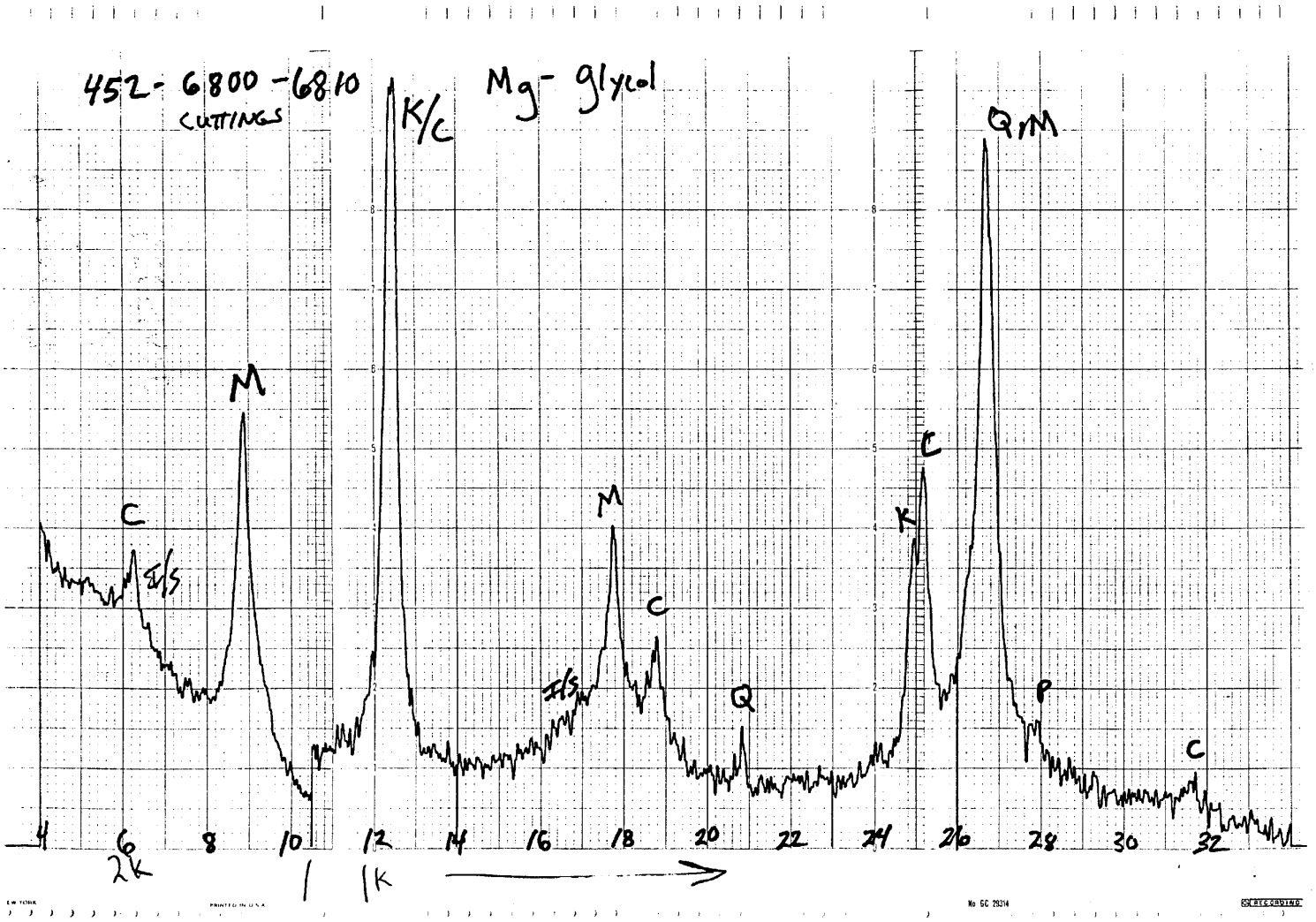

452-5909
Mg-glycol
C
I/S
M
K/C
M
I/S
C
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K
PRINTED IN U.S.A.
No. GC 25314
RECORDING CHARTS
GRAPHIC CONTROLS CORPORATION

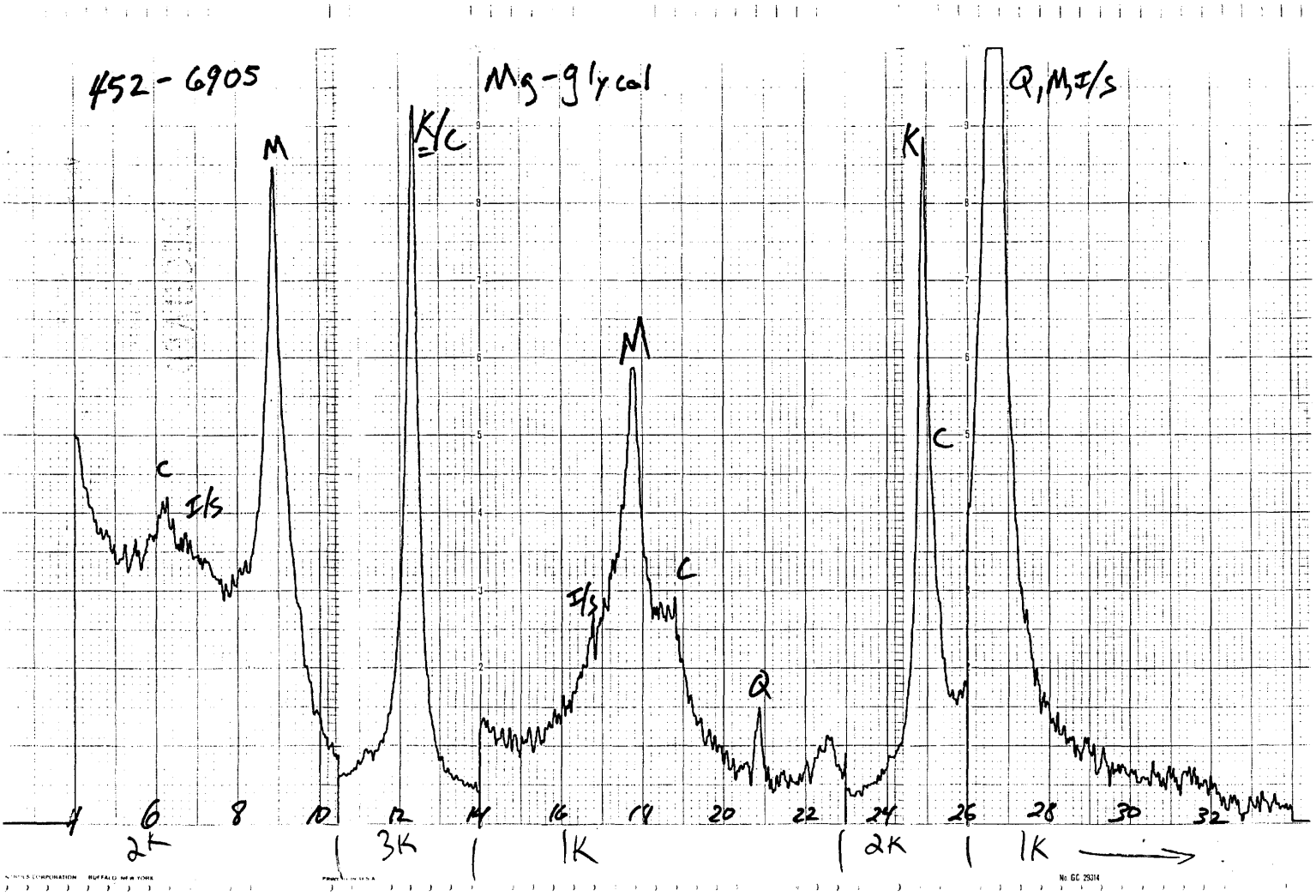

452-6350-60
Mg-glycol
CUTTINGS
M
K/C
M
C
K
Q,M
C
I/S
I/S
C
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

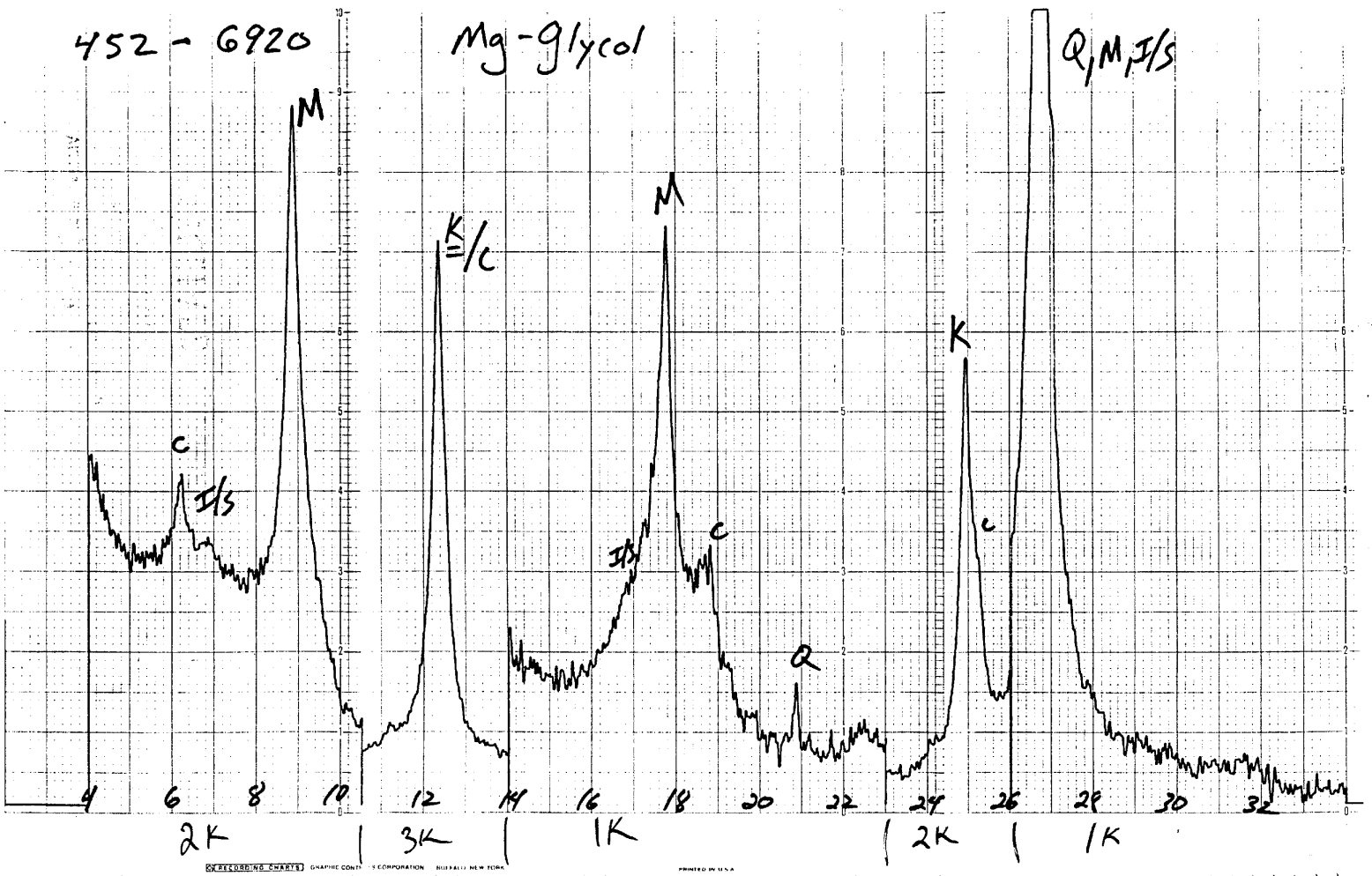


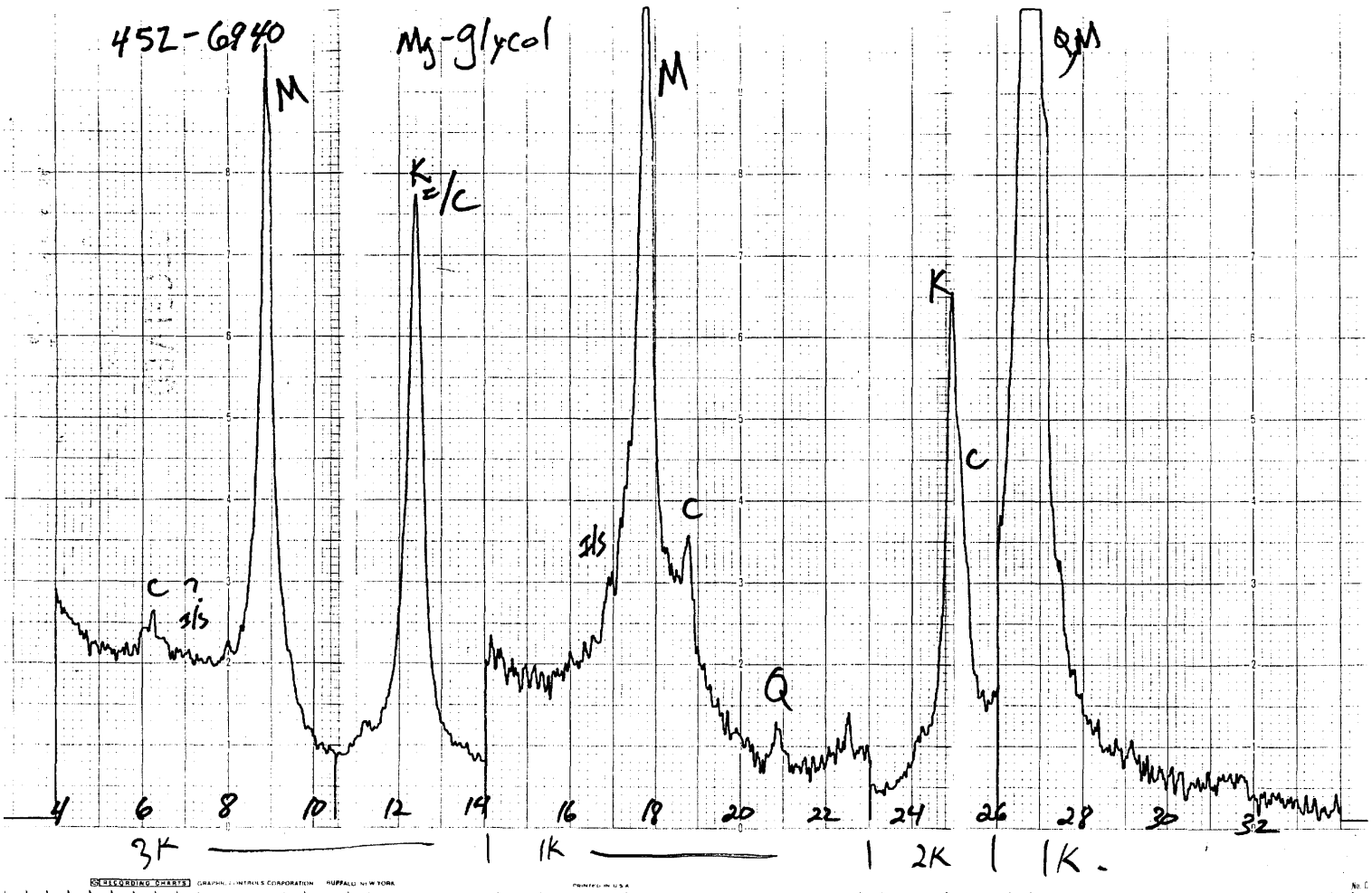
No GC 29214 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

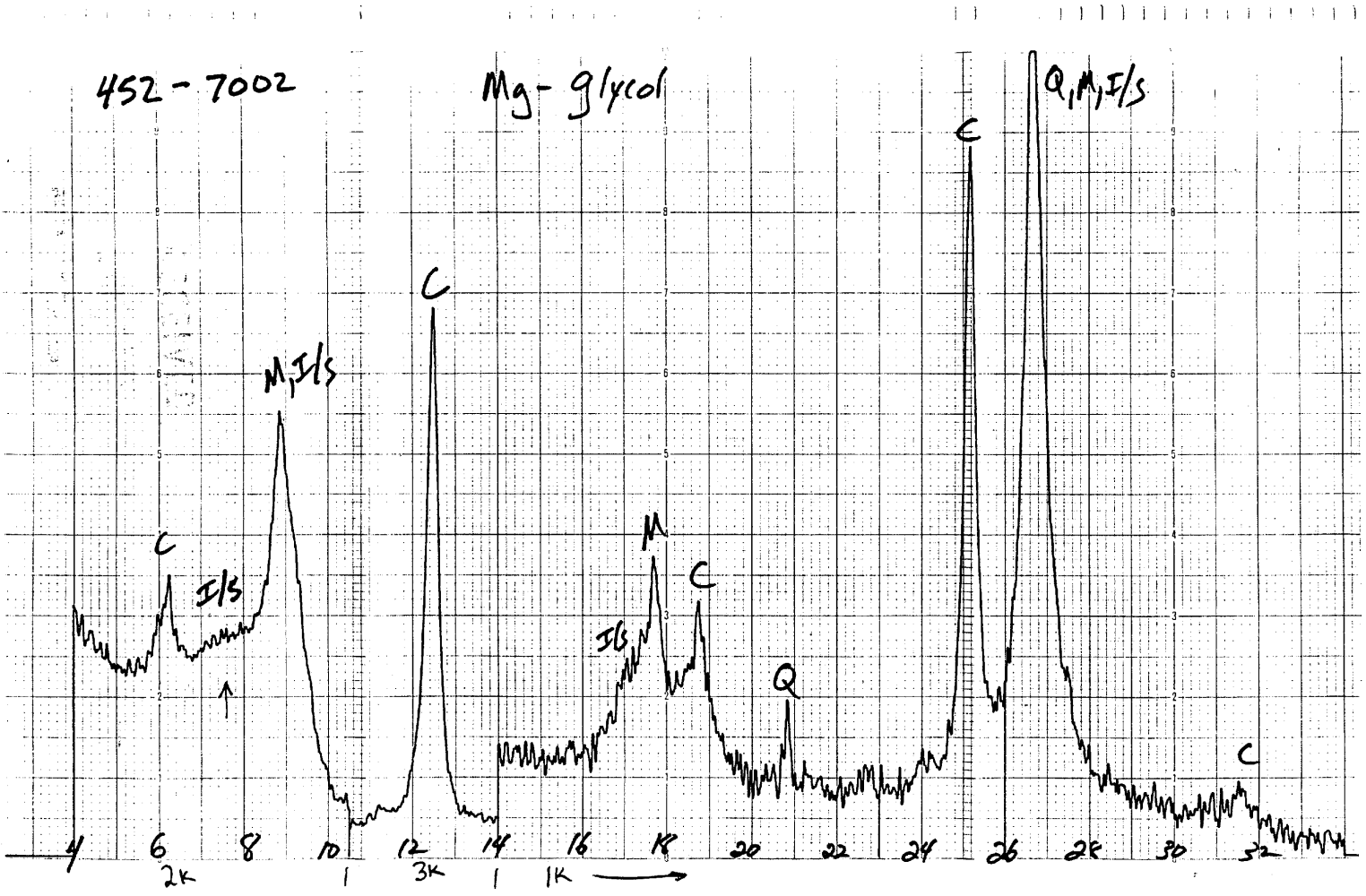

452 - 6710-20
Mg-glycol
CUTTINGS
M
K/C
M
C
I/S
I/S
C
Q
K
C
Q, M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
2K
1K


452-6800-6810
CUTTINGS
Mg-glycol
K/C
M
C
I/S
M
C
I/S
Q
K
C
QM
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

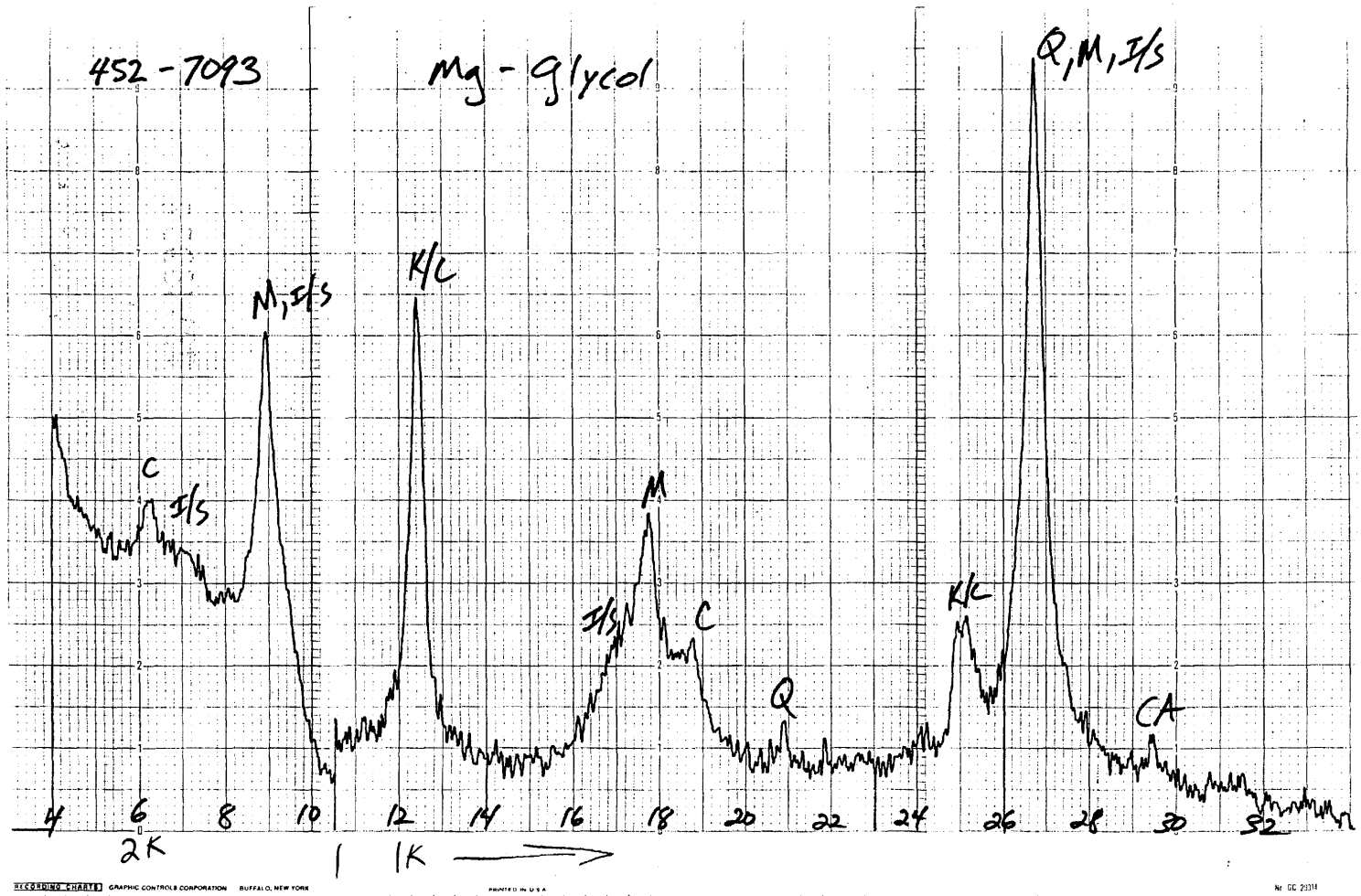

452-6905
Mg-glycol
Q, M, I/S
M
K/C
M
K
C
C
I/S
I/S
C
Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K
2K
1K


452 - 6920
Mg-glycol
Q,M,I/S
M
K/c
M
K
c
I/S
c
I/S
c
Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K
2K
1K


452-6940
Mg-glycol
M
K=/C
M
QM
K
C
C
I/S
C ?
I/S
Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
1K
2K
1K.



No. GC 29314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK



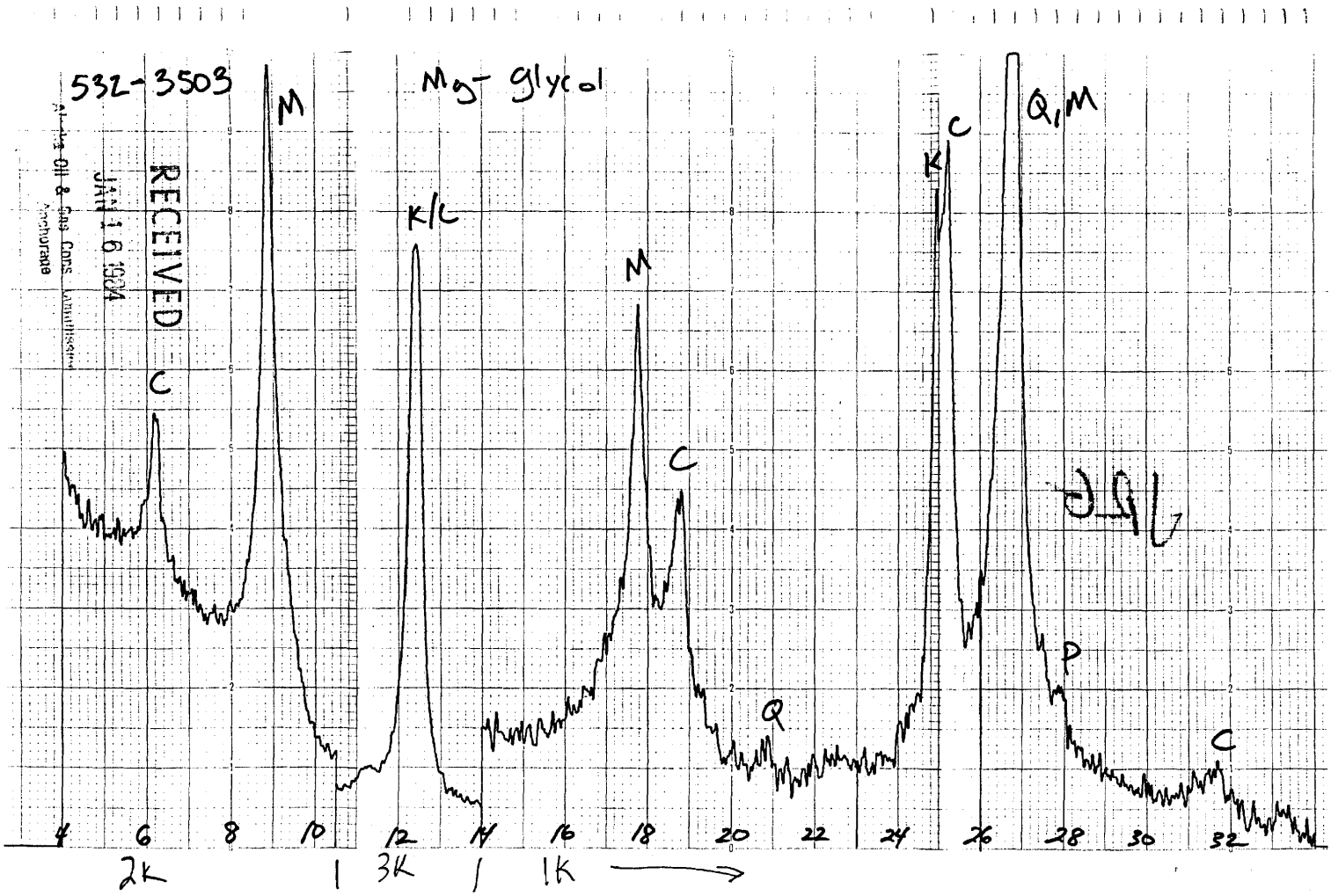
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A. No GC 23314

J. W. Dalton No. 1 (St. No. 532)

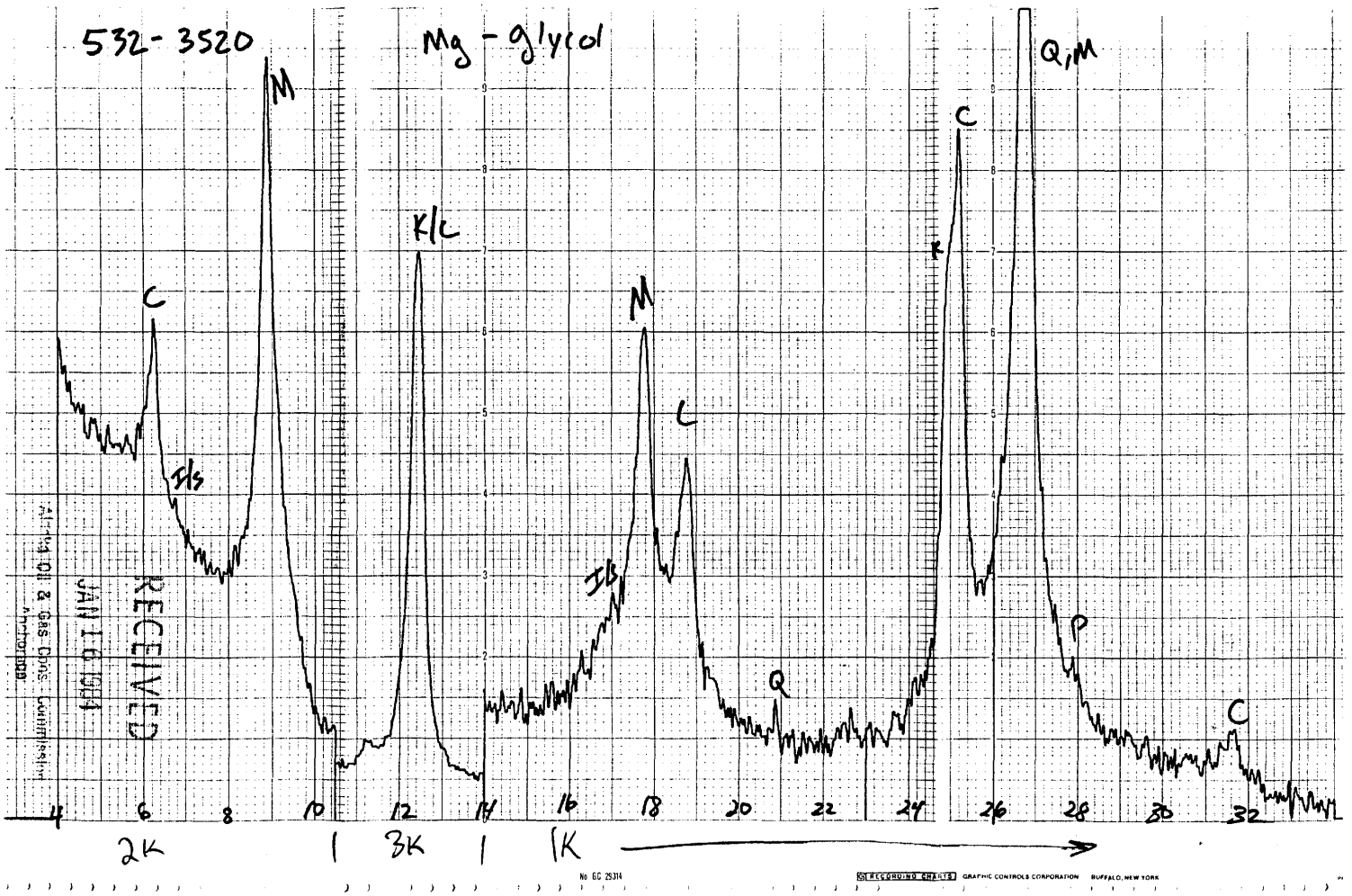
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
3503	-	TR	MAJ	MAJ	MOD	Q,P
3520	-	TR	MAJ	MAJ	MOD	Q1,P
4667	-	MIN	MAJ	MAJ	MOD	Q,P
4694	-	MIN	MAJ	MAJ	MOD	Q,P
5603	-	MIN	MAJ	MAJ	MIN	Q,P
5624	-	MIN	MAJ	MAJ	MIN	Q,P
6585	-	MIN	MAJ	MAJ	MIN	Q,P
7320-40	-	MIN	MAJ	MAJ	MIN	Q1,P
7430-50	-	MIN	MAJ	MAJ	MIN	Q,P
7490-7510	-	MIN	MAJ	MAJ	MOD	Q1,P
7524	-	MIN	MAJ	MOD	MOD	Q1,P1
7530	-	MIN	MAJ	MOD	MOD	Q,P
7580-7600	-	MIN	MAJ	MOD	MAJ	Q
7640-60	-	MIN	MAJ	MOD	MAJ	Q1
7750-70	-	MIN	MOD	MIN	MAJ	Q,CA1
7870-90	-	MIN	MOD	MIN	MAJ	Q,CA,AP
8015	-	-	MAJ	-	MAJ	Q
8022	-	-	MAJ	MIN	MAJ	Q
8044	-	-	MAJ	TR	MAJ	Q

Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJ = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, AP = Apatite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.
1 = weak, 2 = moderate, 3 = strong xrd peak

RECEIVED
JAN 1 6 1984
Alaska Oil & Gas Cons. Commission

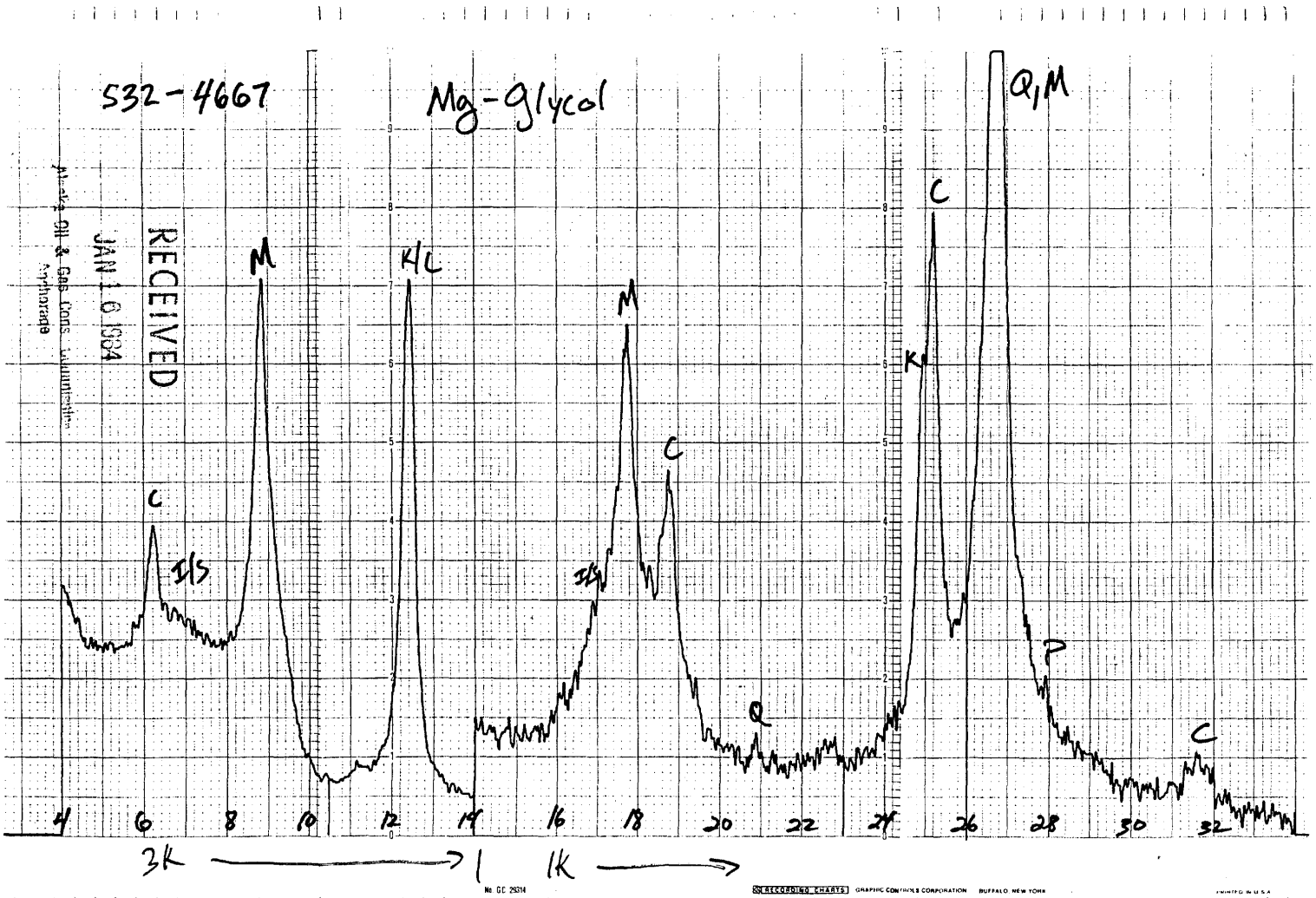


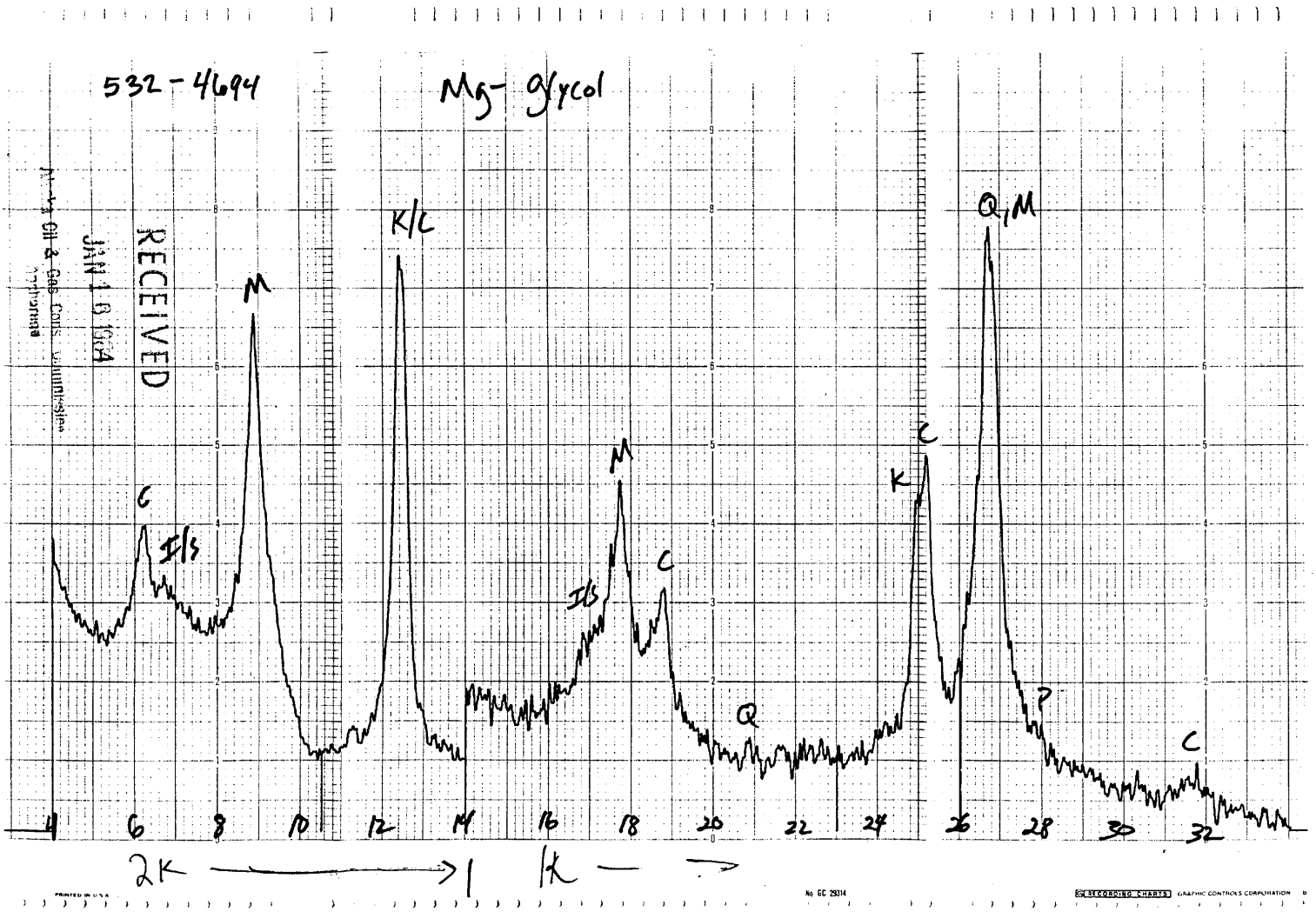
No. GC 29
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.



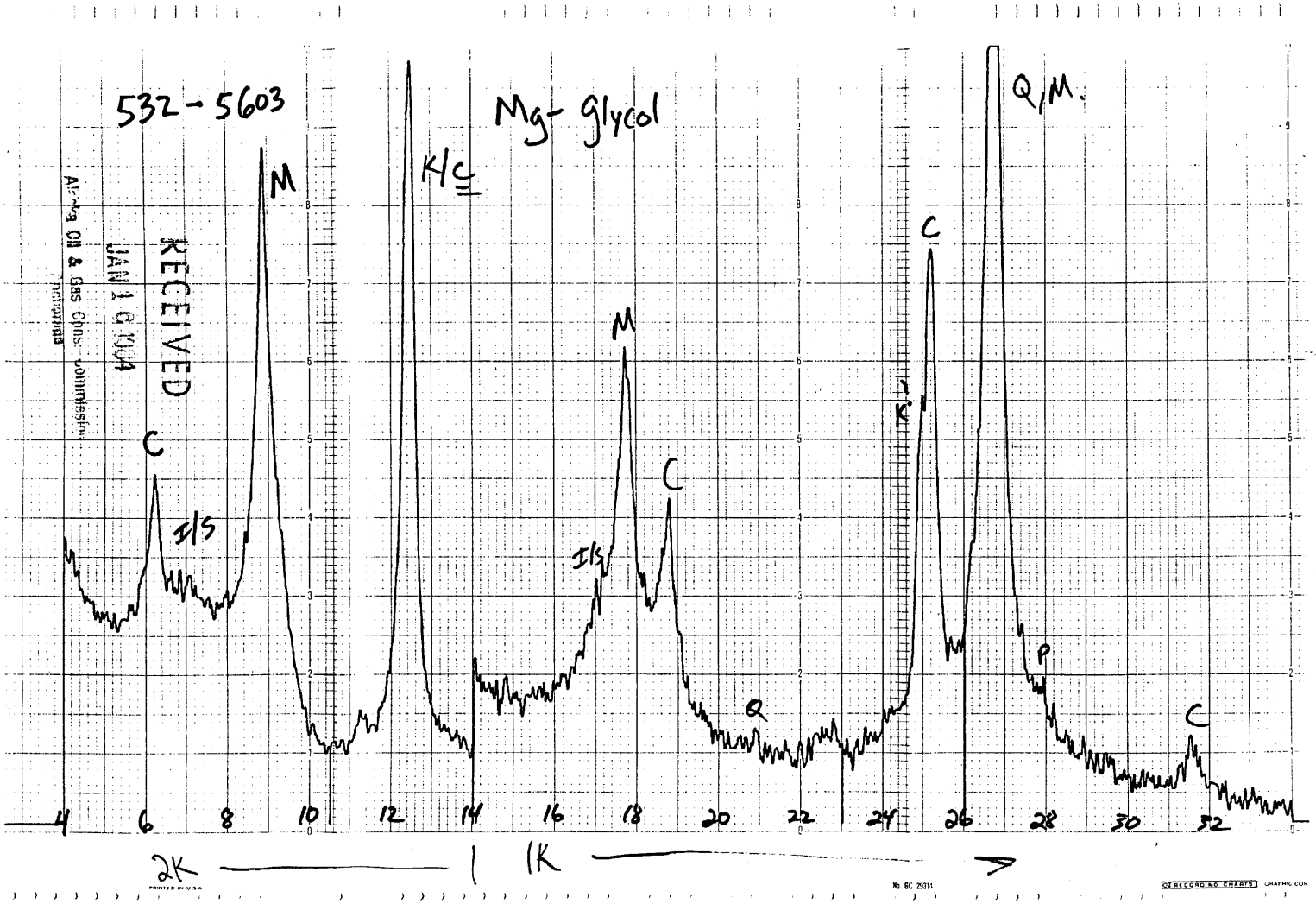
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage

No. GC 25314 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

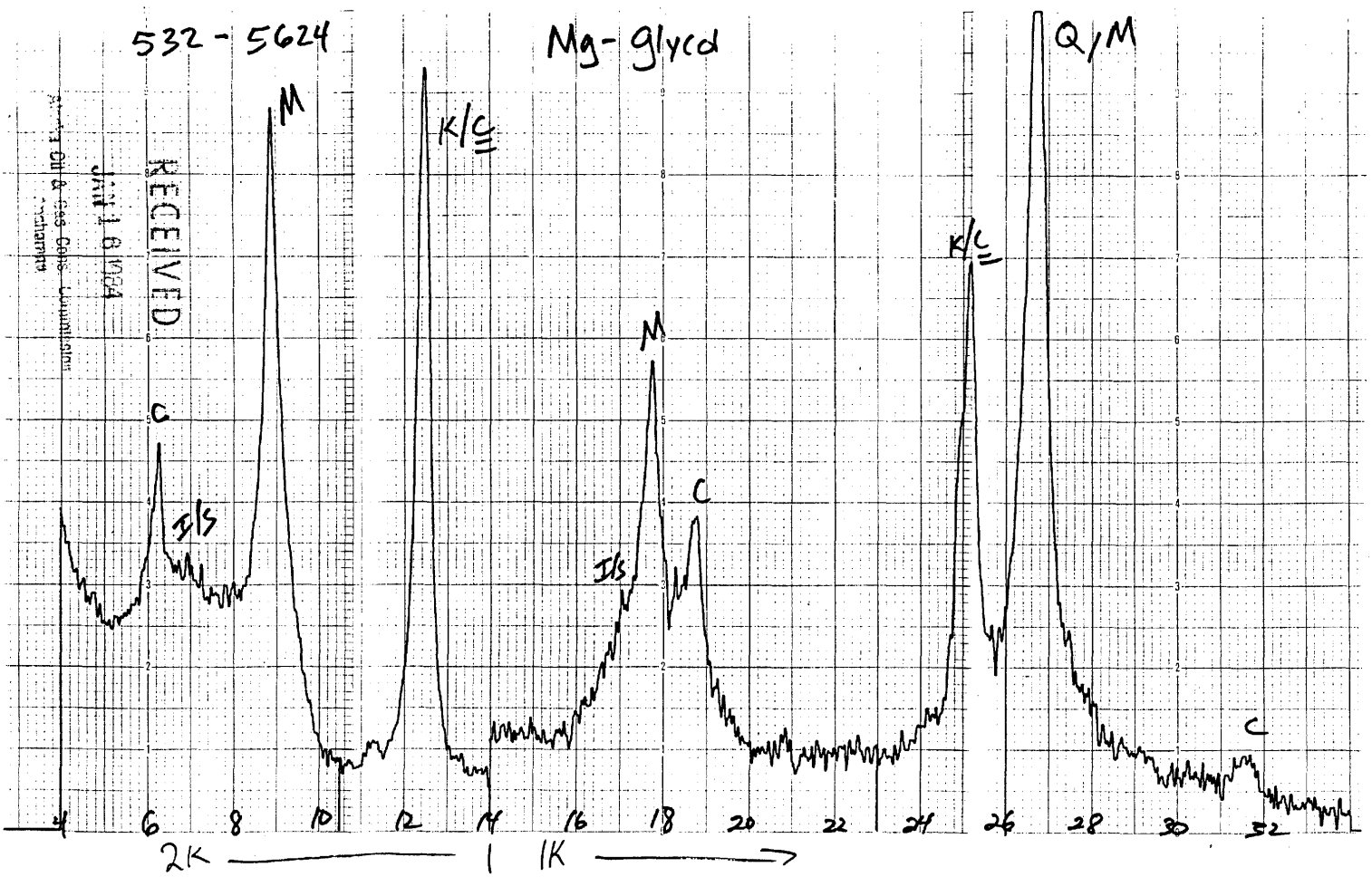

532-4667
Mg-glycol
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage
C
I/S
M
K/C
M
I/S
C
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
1K
No. GC 29314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.



PRINTED IN U.S.A.
No. GC 29014
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION

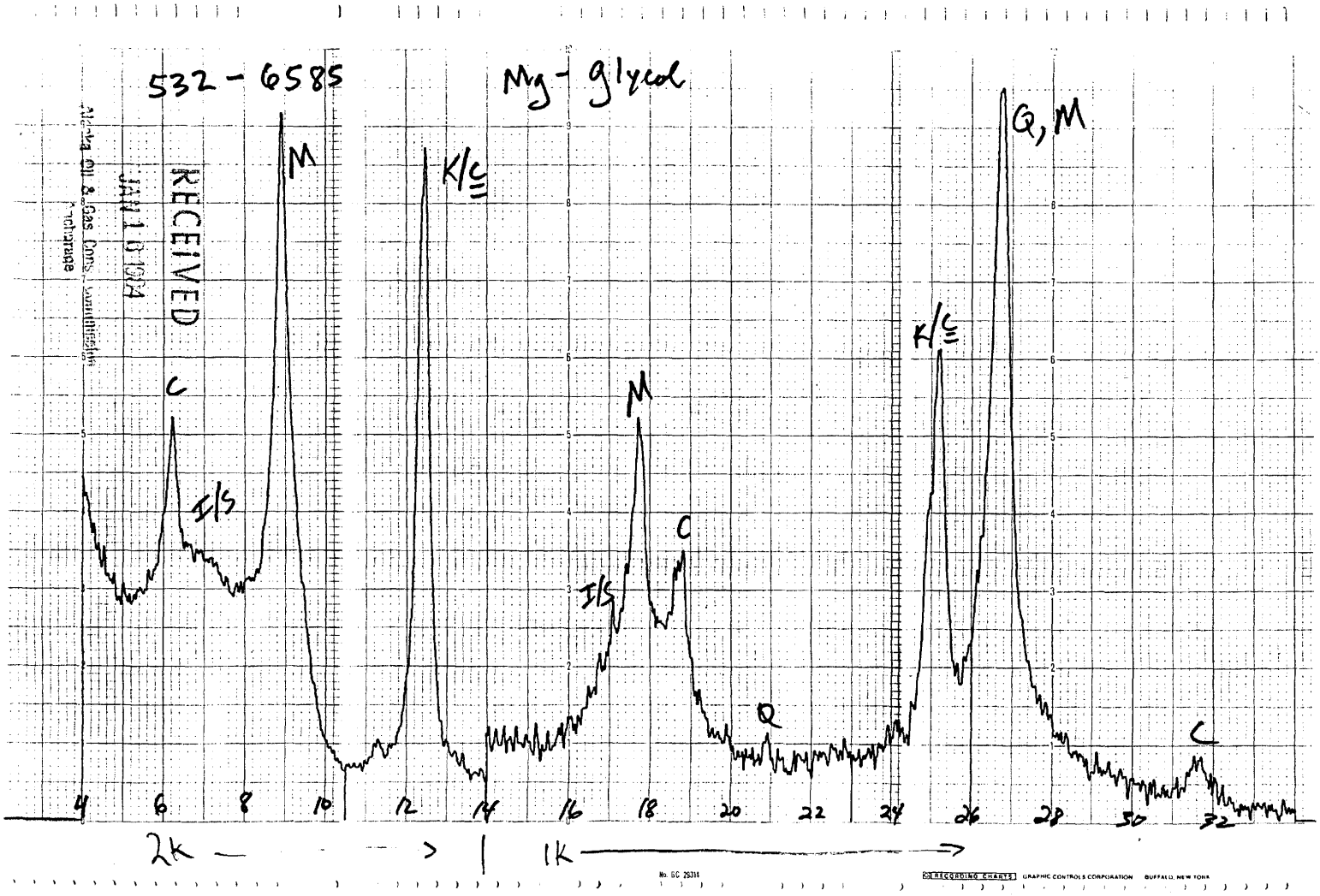


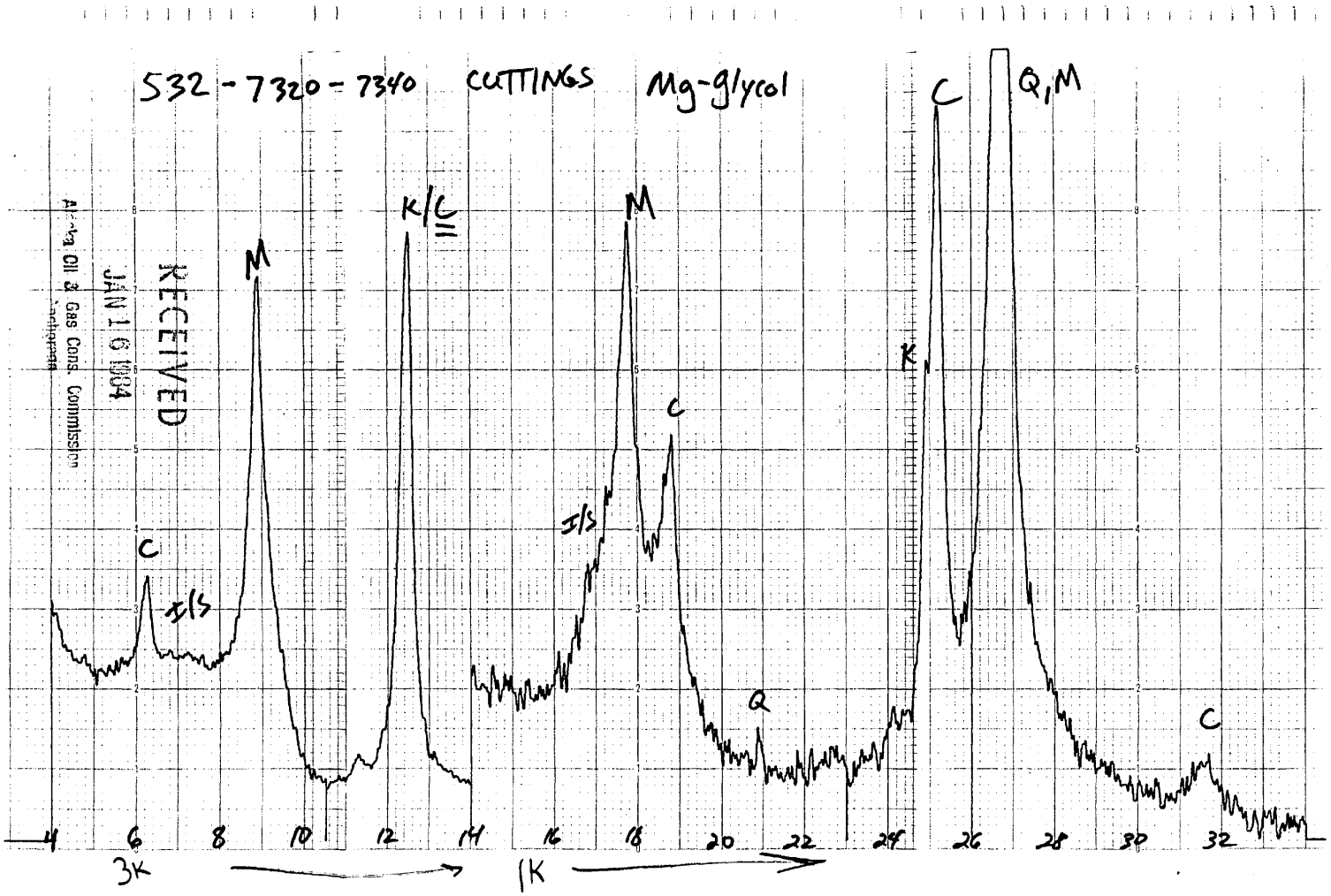
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage



RECEIVED
JAN 1 8 1984
State Oil & Gas Cons. Commission
Anchorage

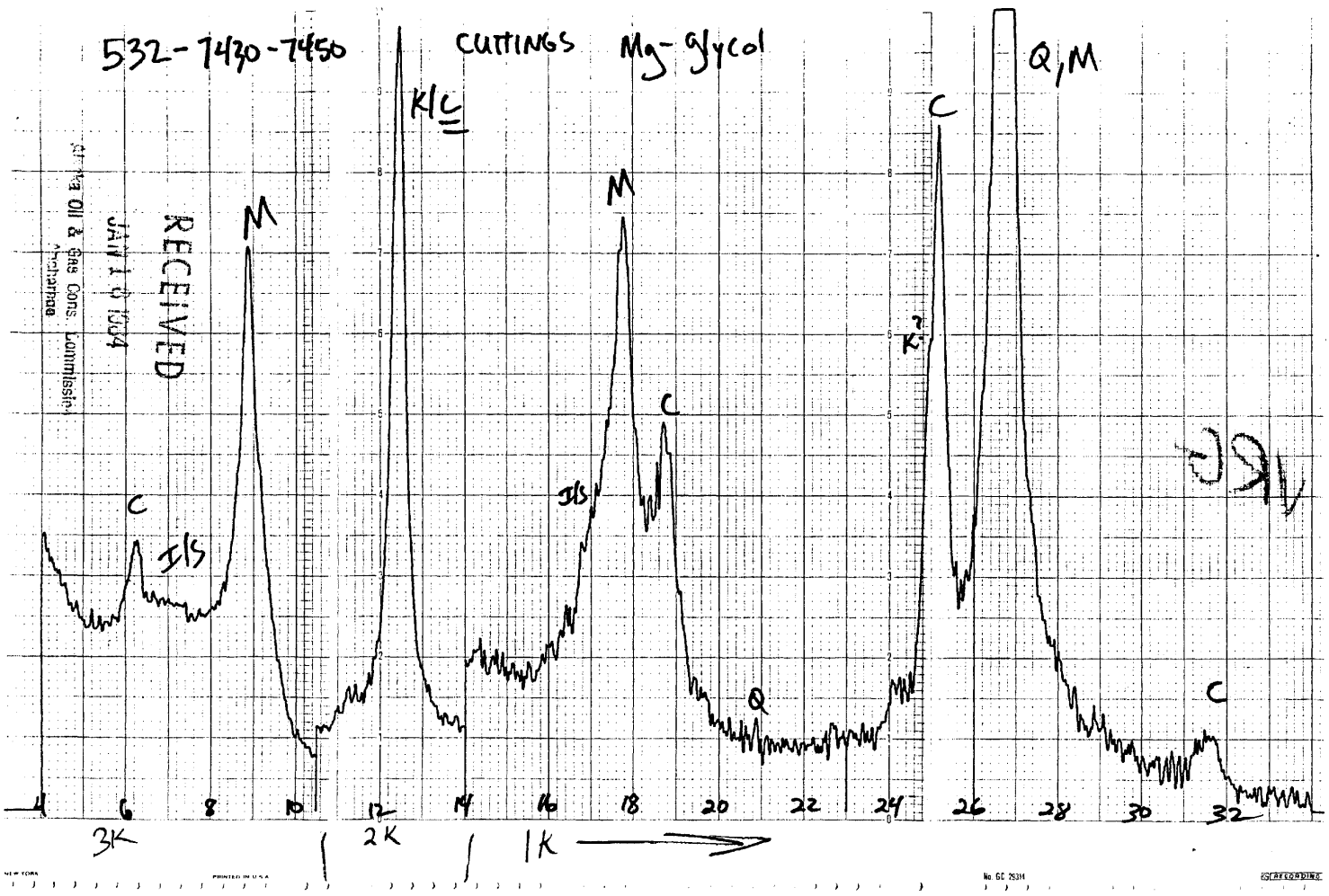
No GC 2934
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK


532 - 6585
Mg - glycol
M
K/S
C
I/S
M
C
I/S
Q
K/S
Q, M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2k
1k
RECEIVED
JAN 10 1984
Michigan Oil & Gas Cons. Commission
Indianapolis

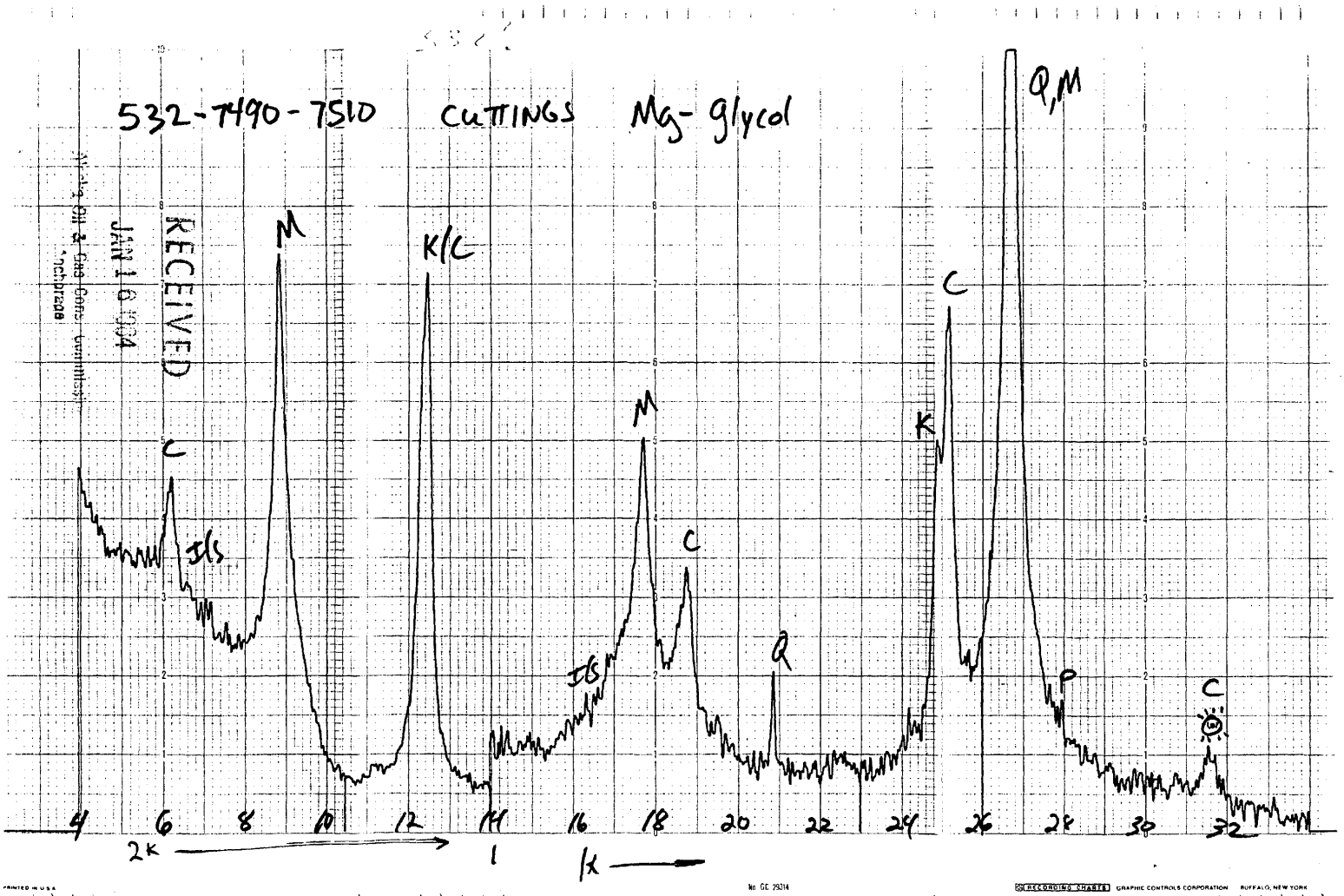


RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage

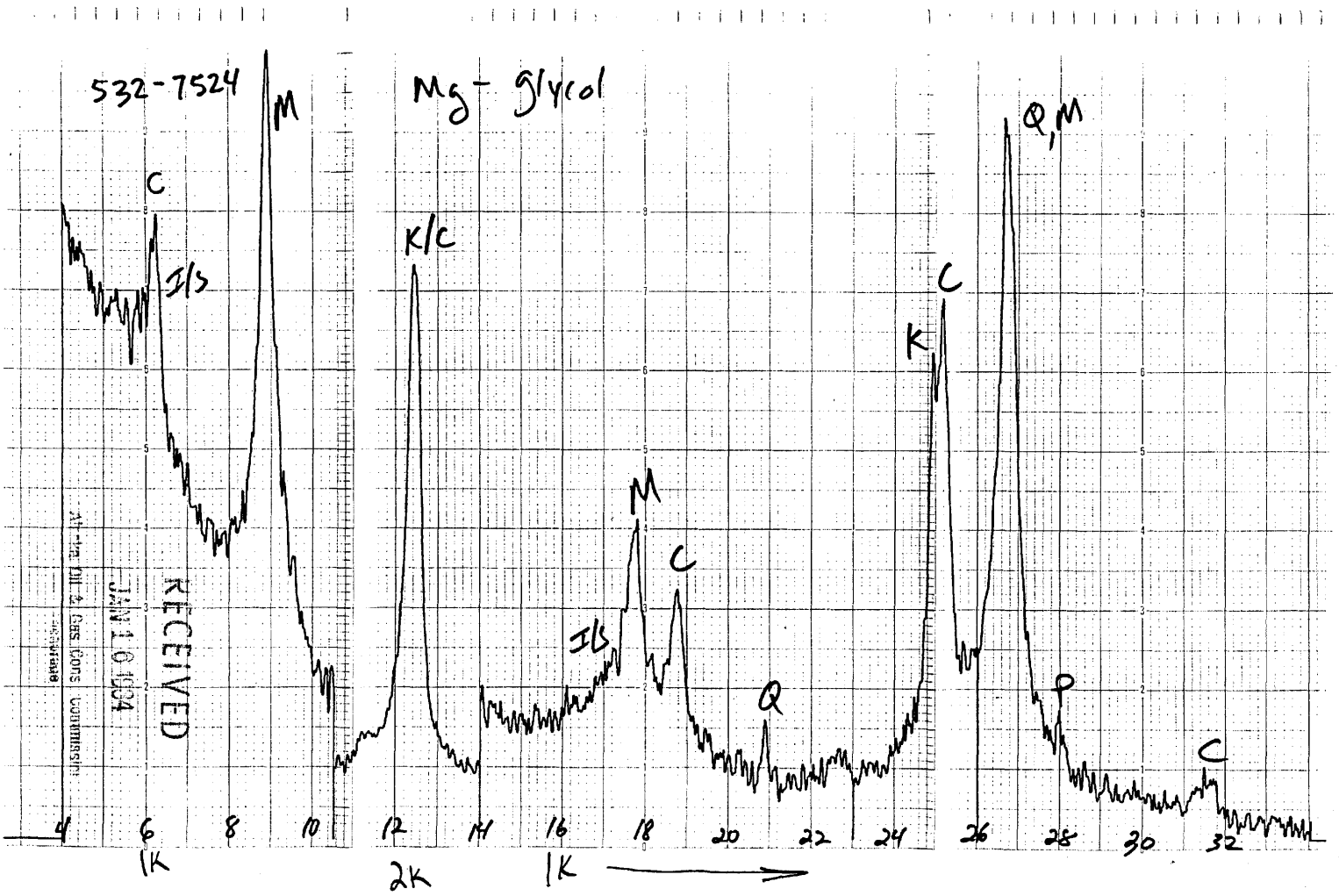
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK PRINTED IN U.S.A. No. GC 29014



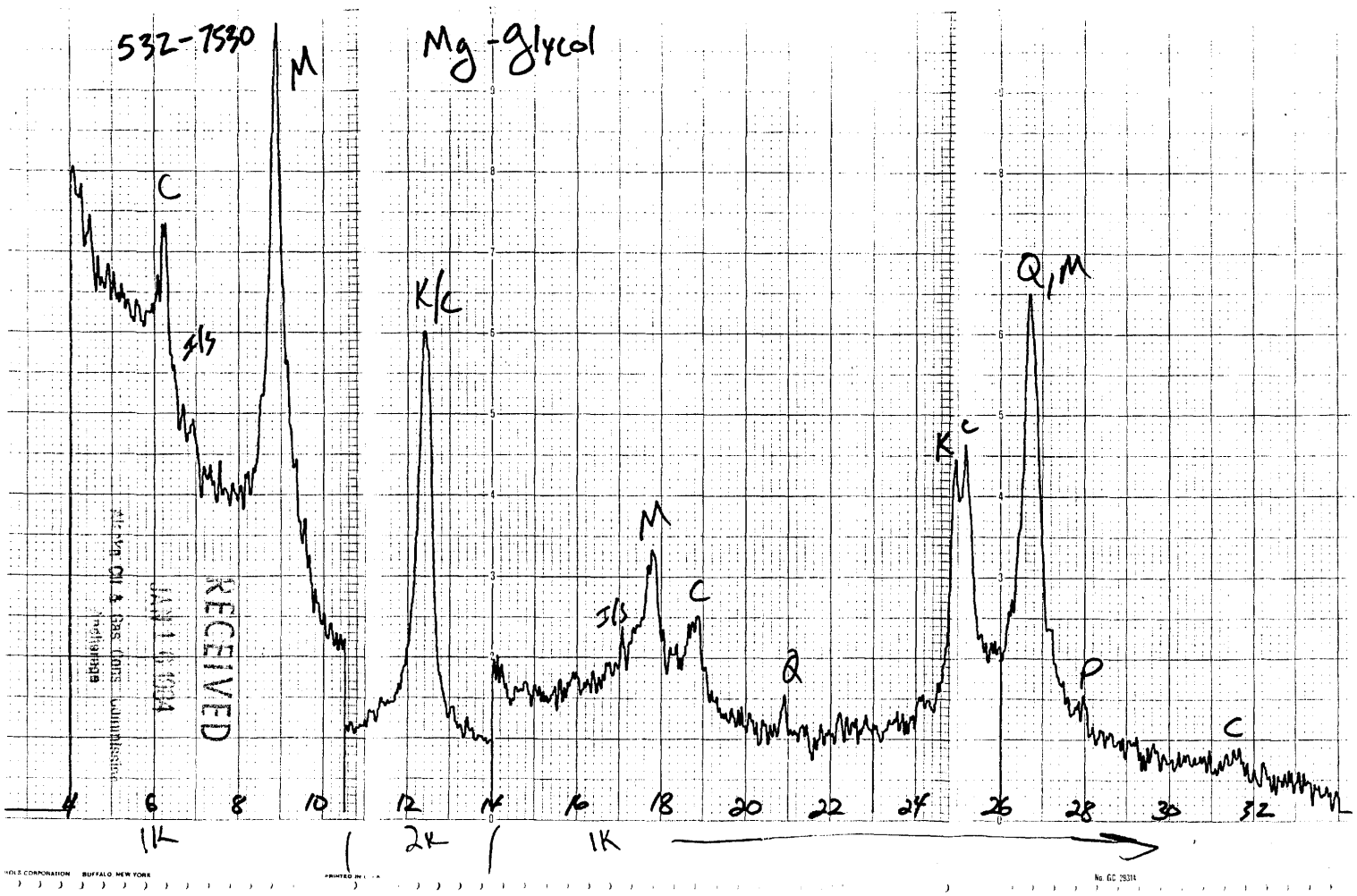
RECEIVED
JAN 1 0 1994
Alaska Oil & Gas Cons. Commission
Anchorage



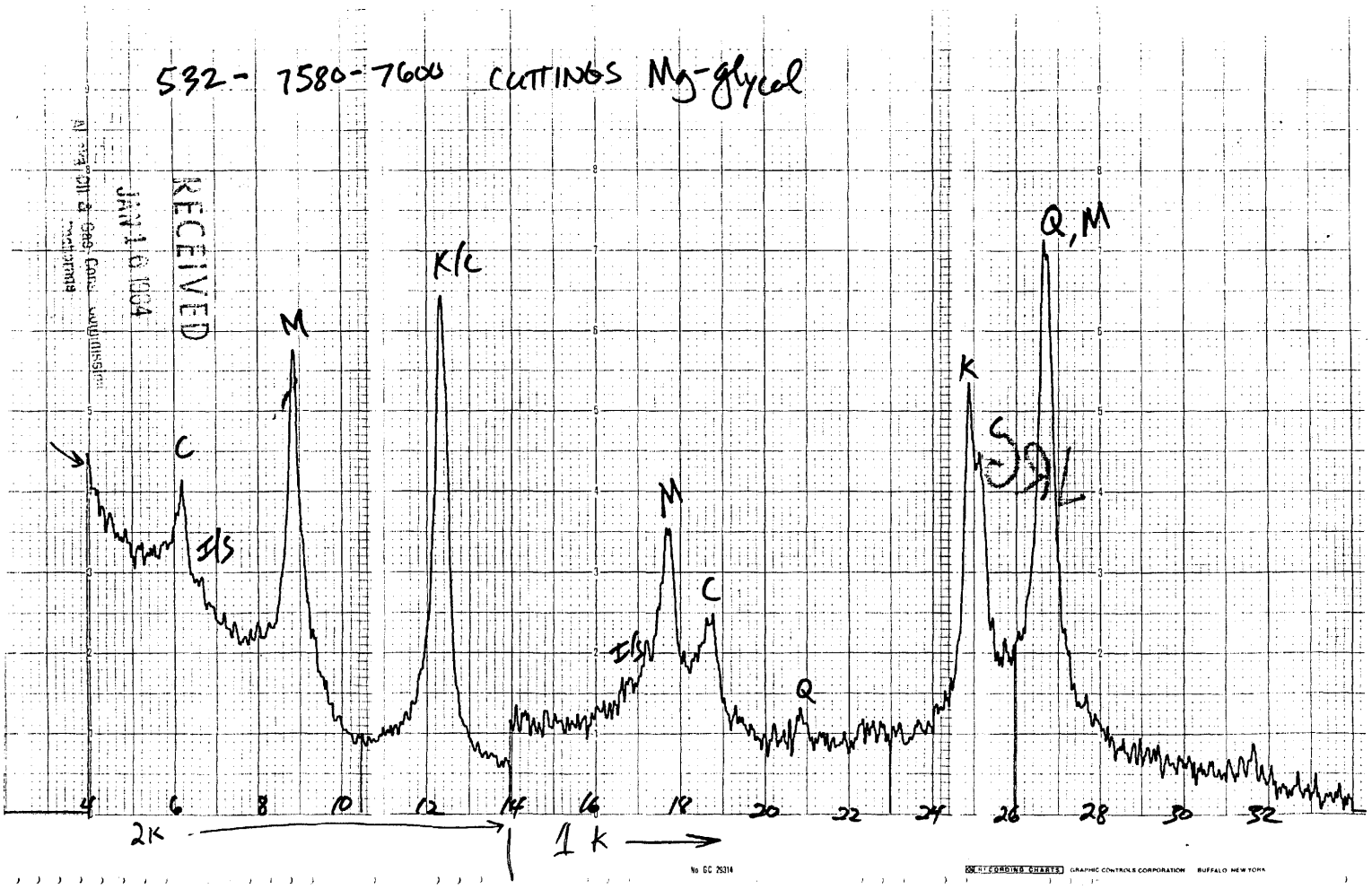
PRINTED IN U.S.A. No. GC 29314 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

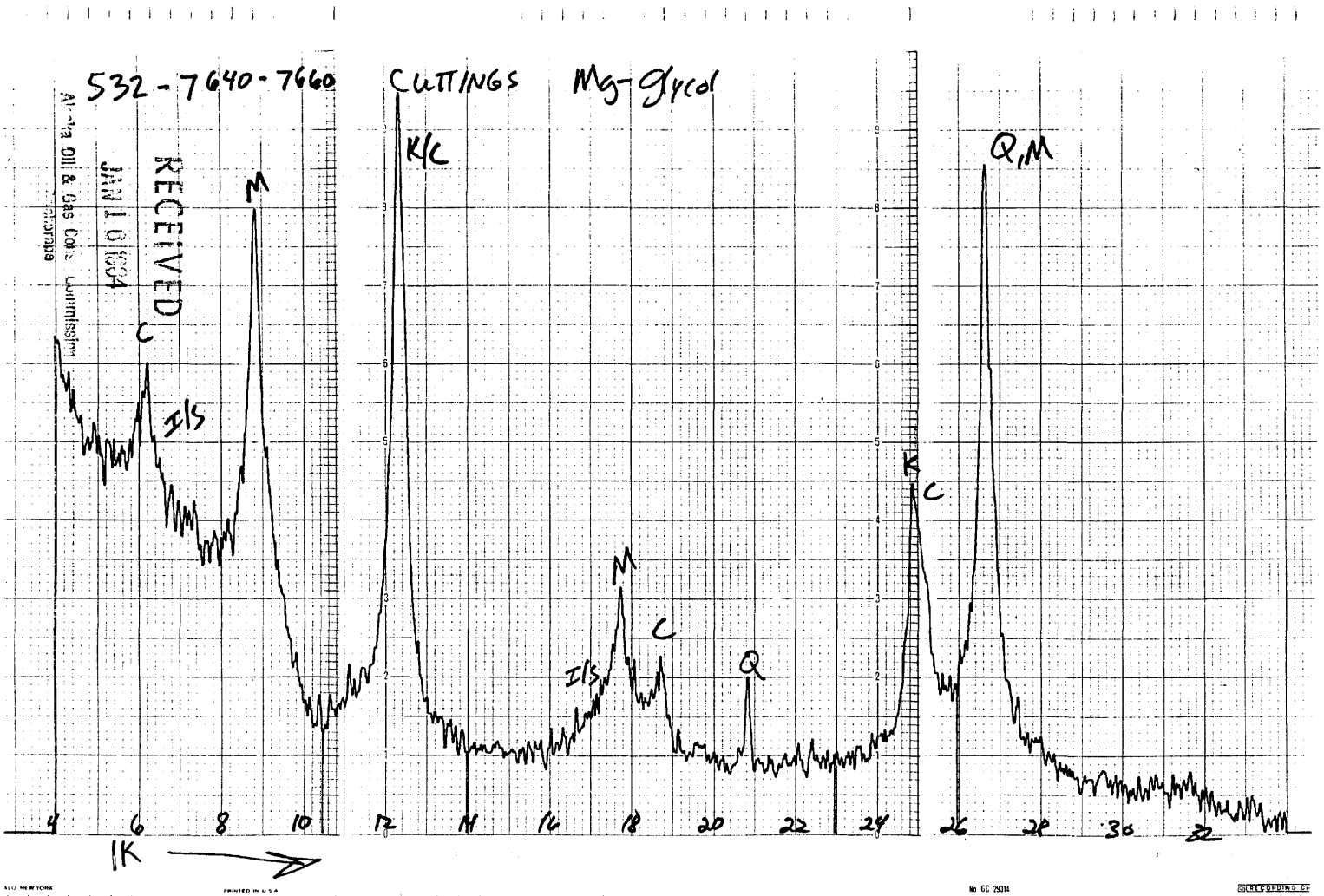


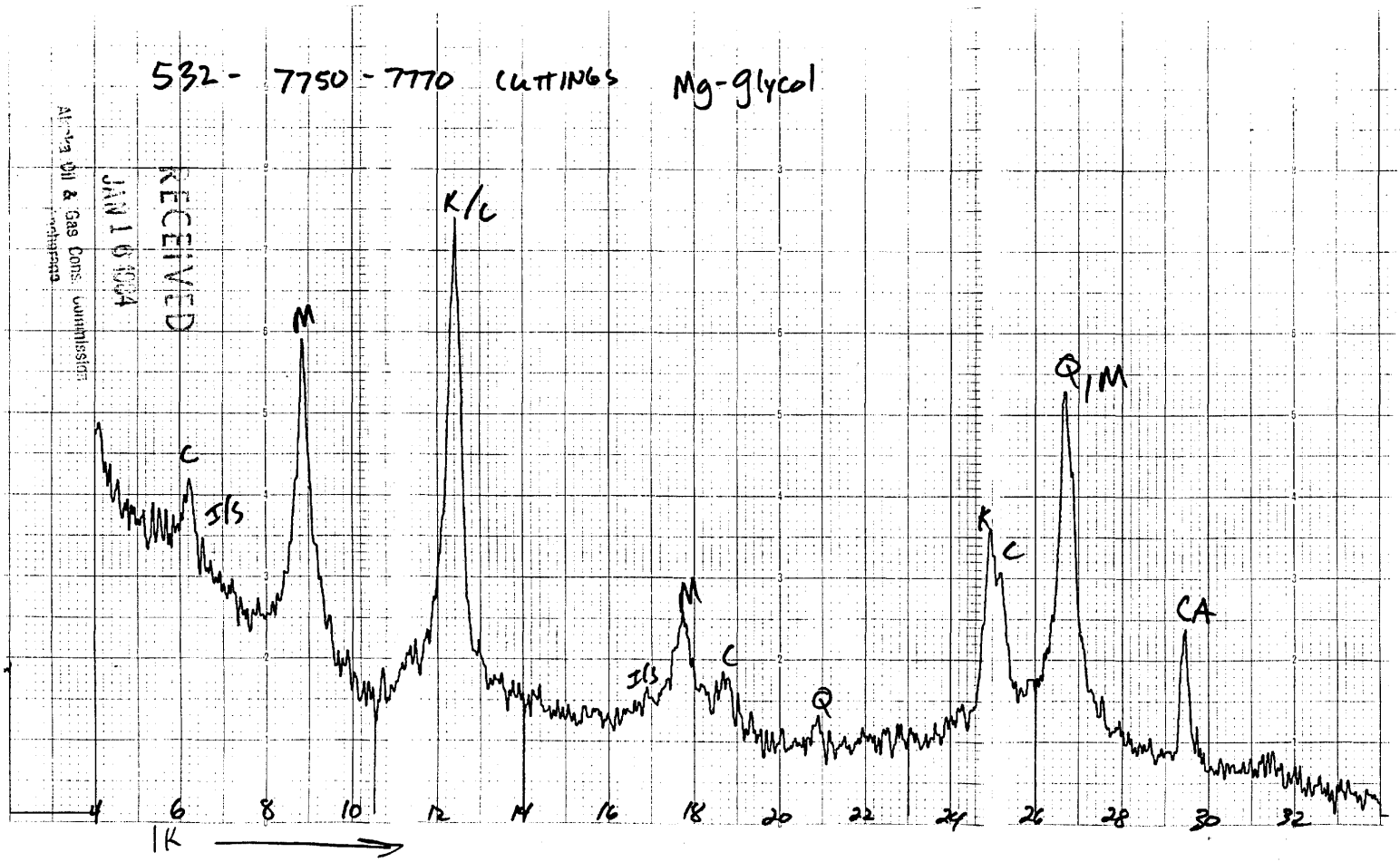
RECEIVED
JAN 10 1984
Alaska Oil & Gas Cons. Commission
Anchorage

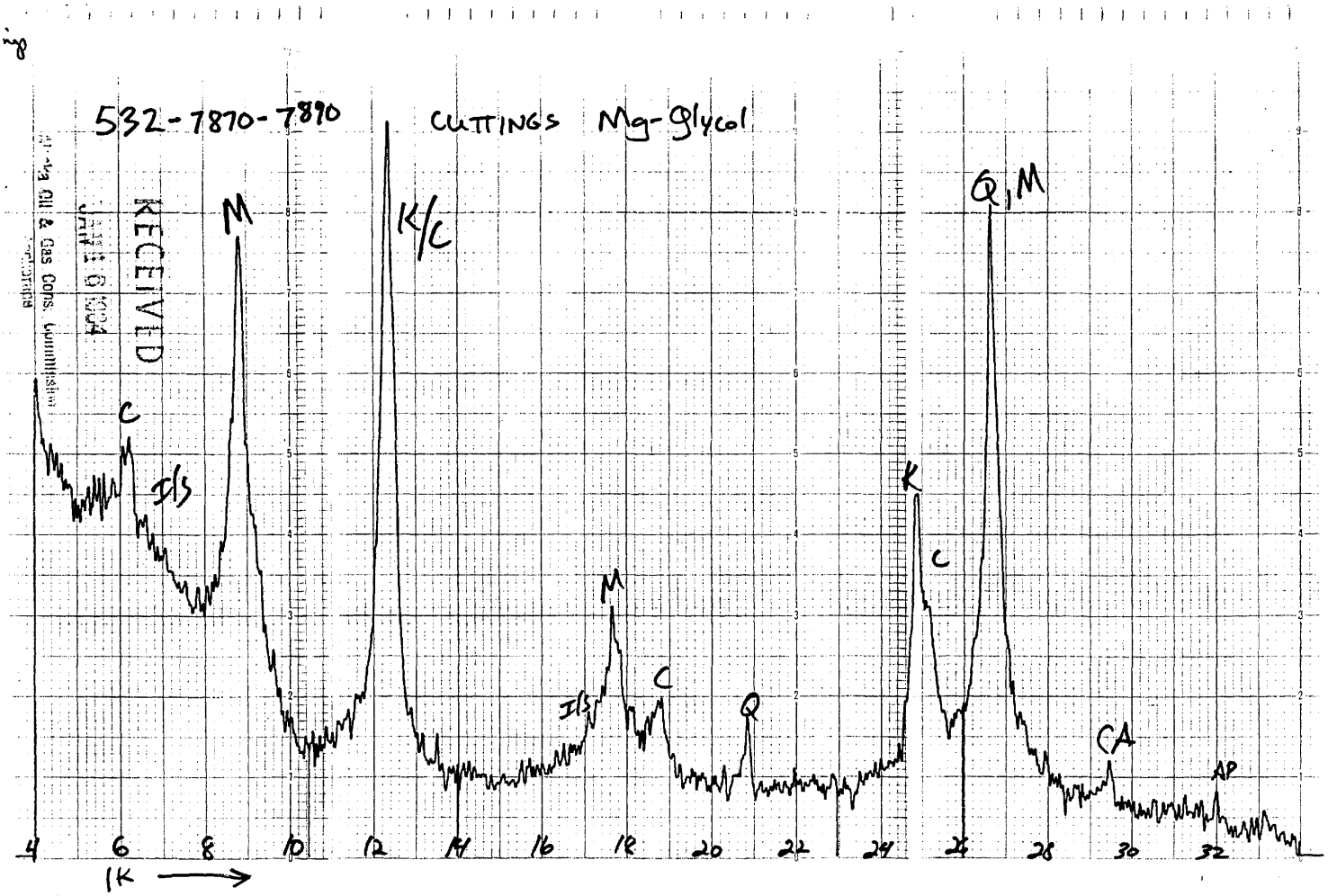


RECEIVED
JAN 1 0 1994
Alaska Oil & Gas Cons. Commission
Anchorage

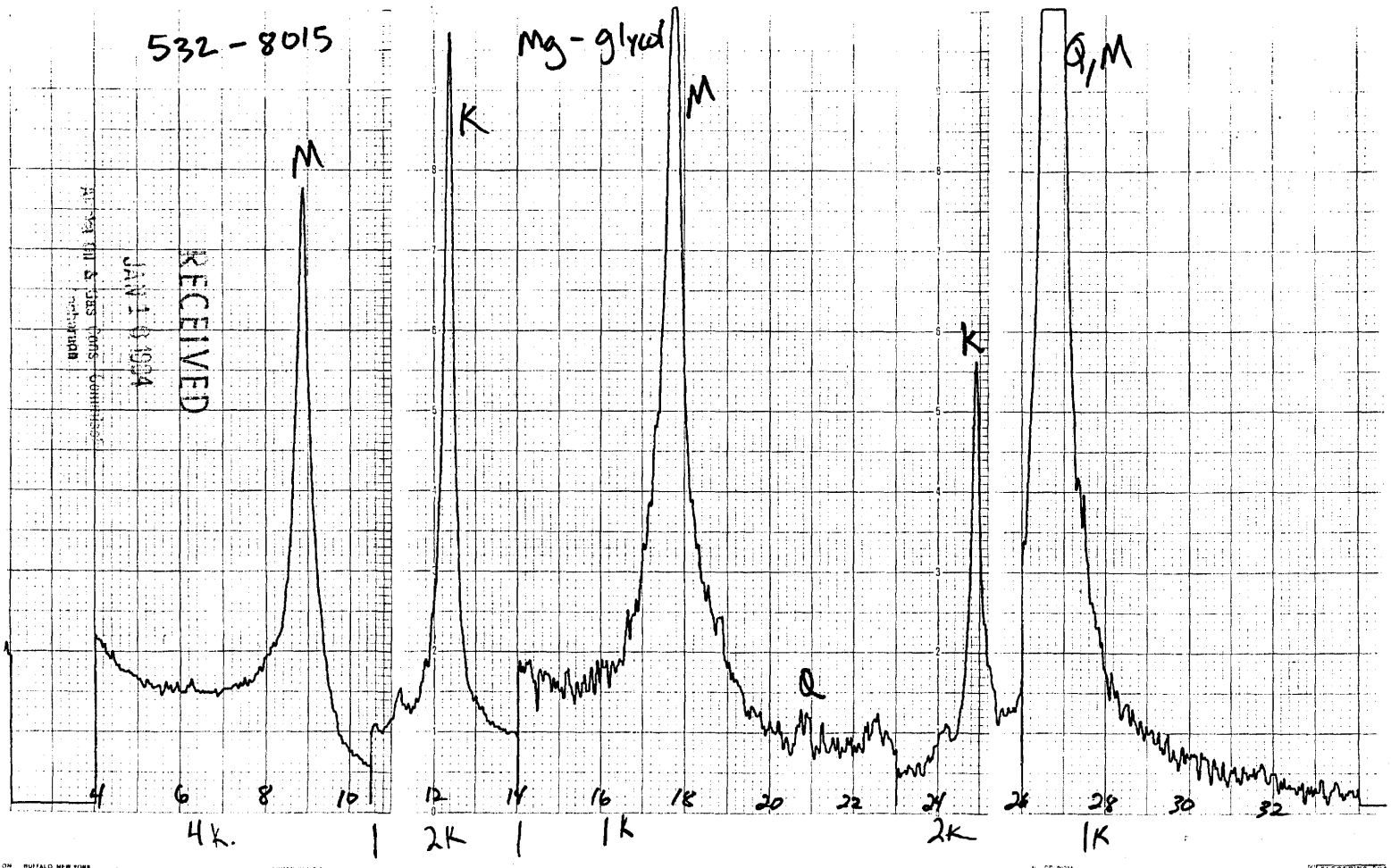

532- 7580-7600 CUTTINGS Mg-glycol
RECEIVED
JAN 16 1984
C
I/S
M
K/C
M
I/S
C
Q
K
S
Q,M
2K
1 K
No GC 29314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK


532-7640-7660
CUTTINGS
Mg-Glycol
RECEIVED
JAN 10 1984
Alaska Oil & Gas Cons. Commission
Anchorage
C
I/S
M
K/C
M
C
I/S
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K

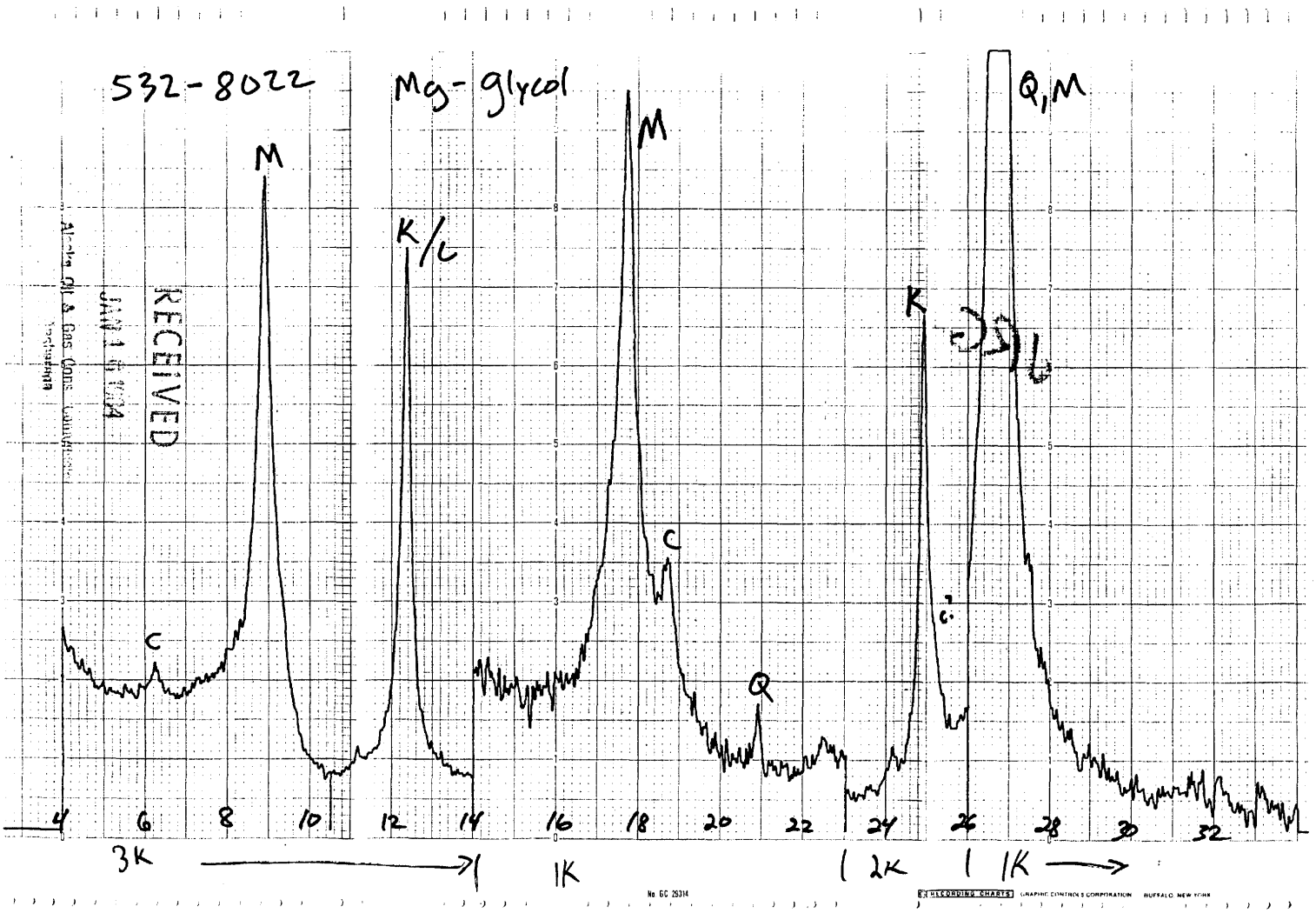

532- 7750 - 7770 CUTTINGS Mg-glycol
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage
K/C
M
C
I/S
M
I/S
C
Q
K
C
Q/M
CA
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.



RECEIVED
JUN 6 1994
Alaska Oil & Gas Cons. Commission
Anchorage

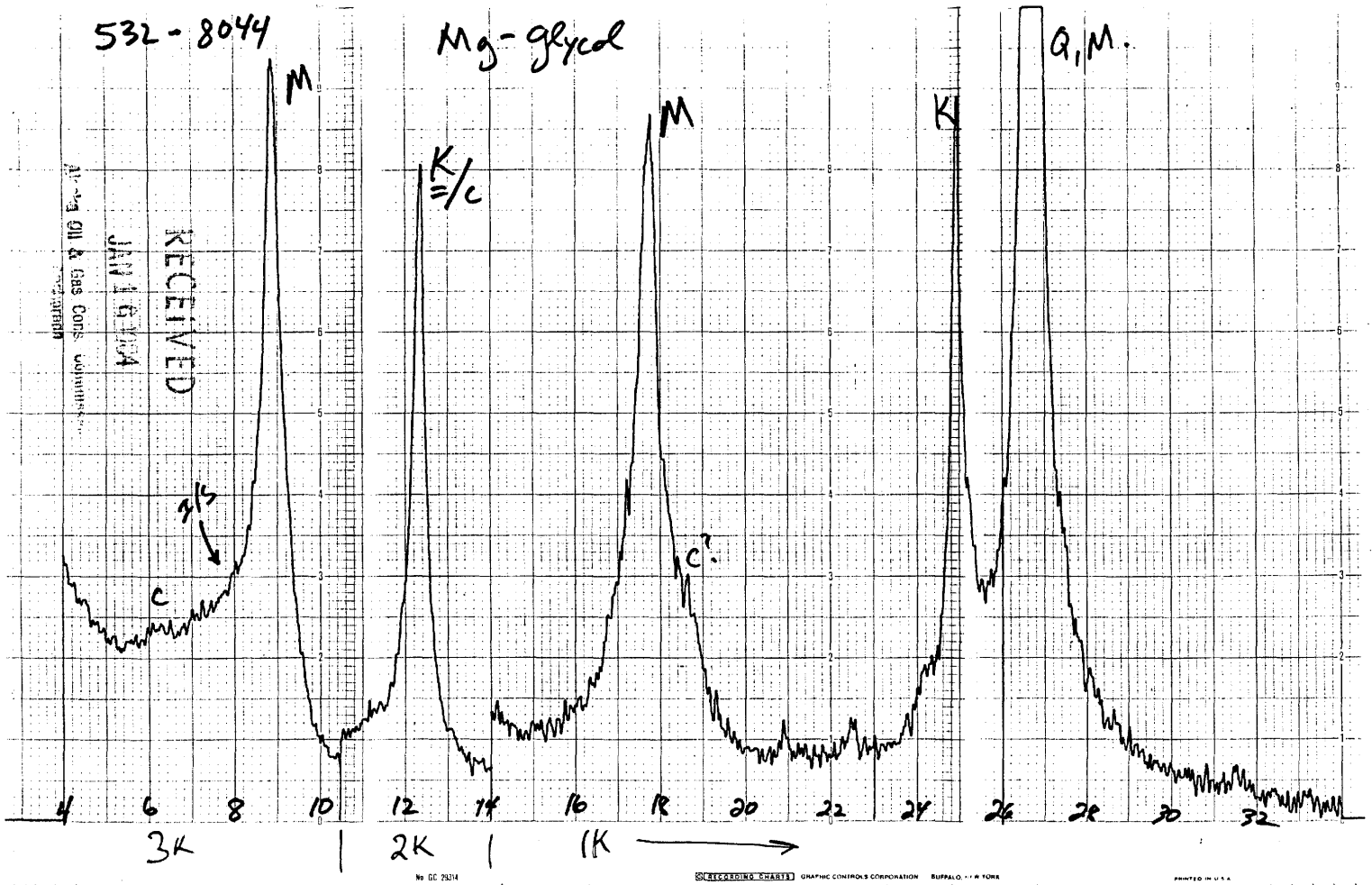


RECEIVED
JAN 1 0 1984
Atlas Div. U.S. Gas Pipe Company



RECEIVED
JAN 1 0 1984
Alaska Oil & Gas Cons. Commission
Anchorage

No. GC 29314 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK



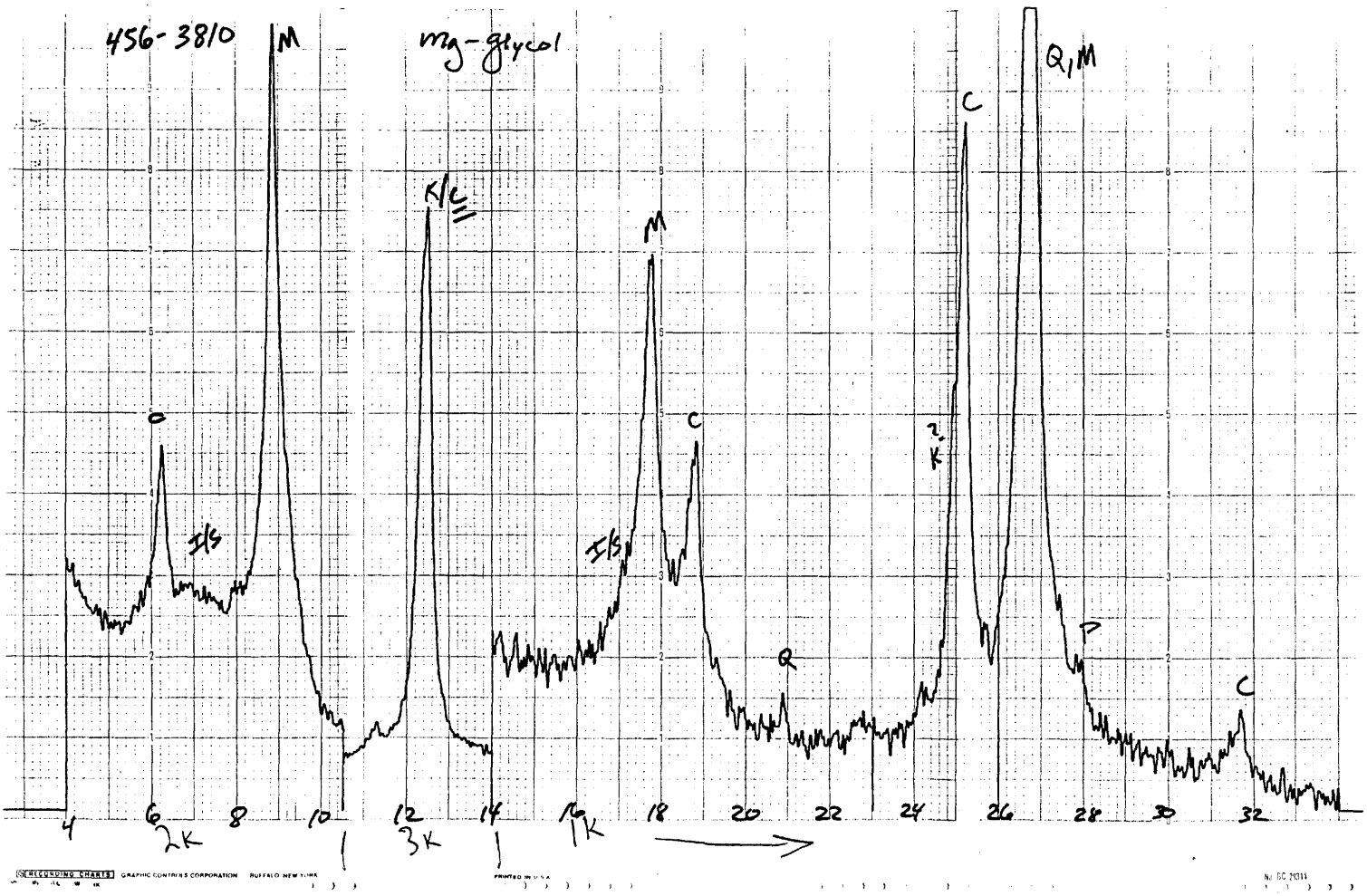
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission

No GC 29314 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, N.Y. PRINTED IN U.S.A.

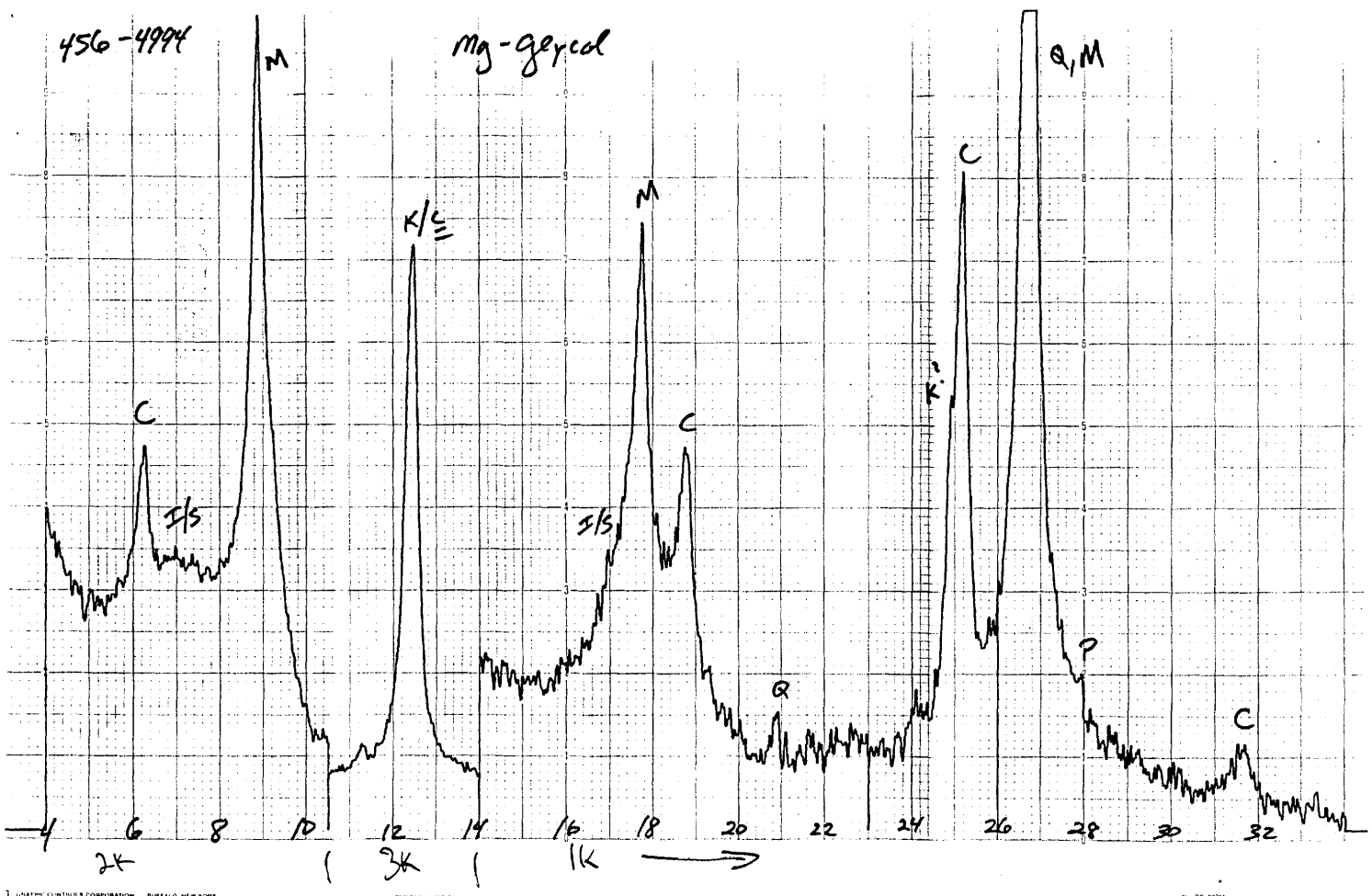
North Kalikpik No.1 (St. No. 456)

DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
3810	-	MIN	MAJ	MAJ	MIN/TR	Q1,P
4994	-	MIN	MAJ	MAJ	MIN/TR	Q1,P
5871	-	MIN	MAJ	MAJ	MIN	Q1,P
6698	-	MIN	MAJ	MAJ	TR	Q1,P
6992	-	MIN	MAJ	MOD	MOD	Q1
7001	-	MOD	MOD	MOD	MOD	Q1,P1
7025	-	MOD	MOD	MOD	MAJ	Q1,P,D
7035	-	MOD	MOD	MIN	MAJ	Q1,P
7055	-	MOD	MOD	MIN	MAJ	Q1,P
7075	-	MOD	MOD	MIN	MAJ	Q1
7100	-	MOD	MOD	MIN	MAJ	Q
7120	-	MOD	MOD	MIN/TR	MOD	Q1,P
7144	-	MOD	MOD	TR	MAJ	Q1
7154	-	MOD	MOD/MIN	TR	MAJ	Q1
7190-7200	-	MOD	MOD	MOD	MOD	Q1,P1
7375-80	-	MOD	MOD	MIN	MAJ	Q1,P1

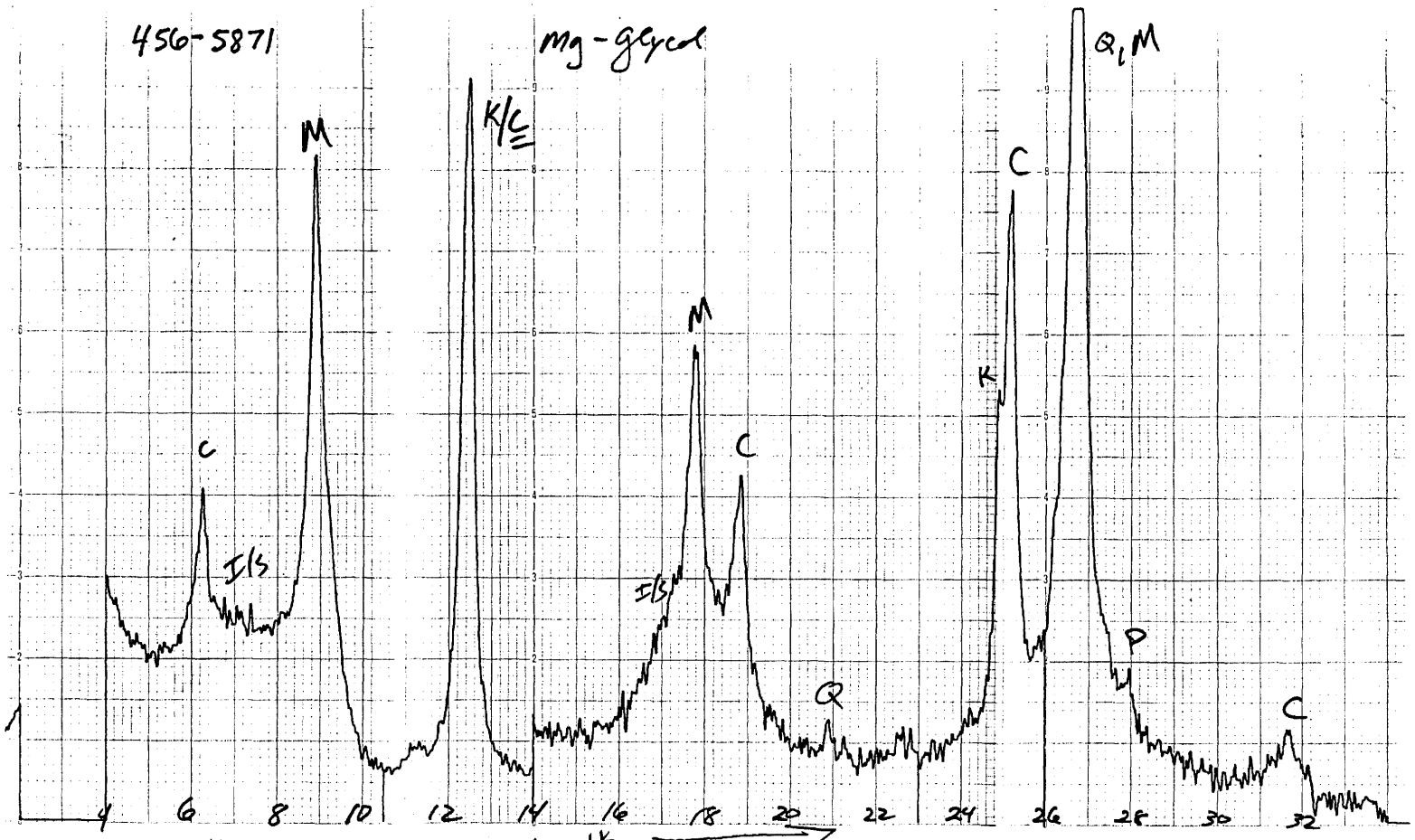
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, D = Dolomite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.
1 = weak, 2 = moderate, 3 = strong xrd peak

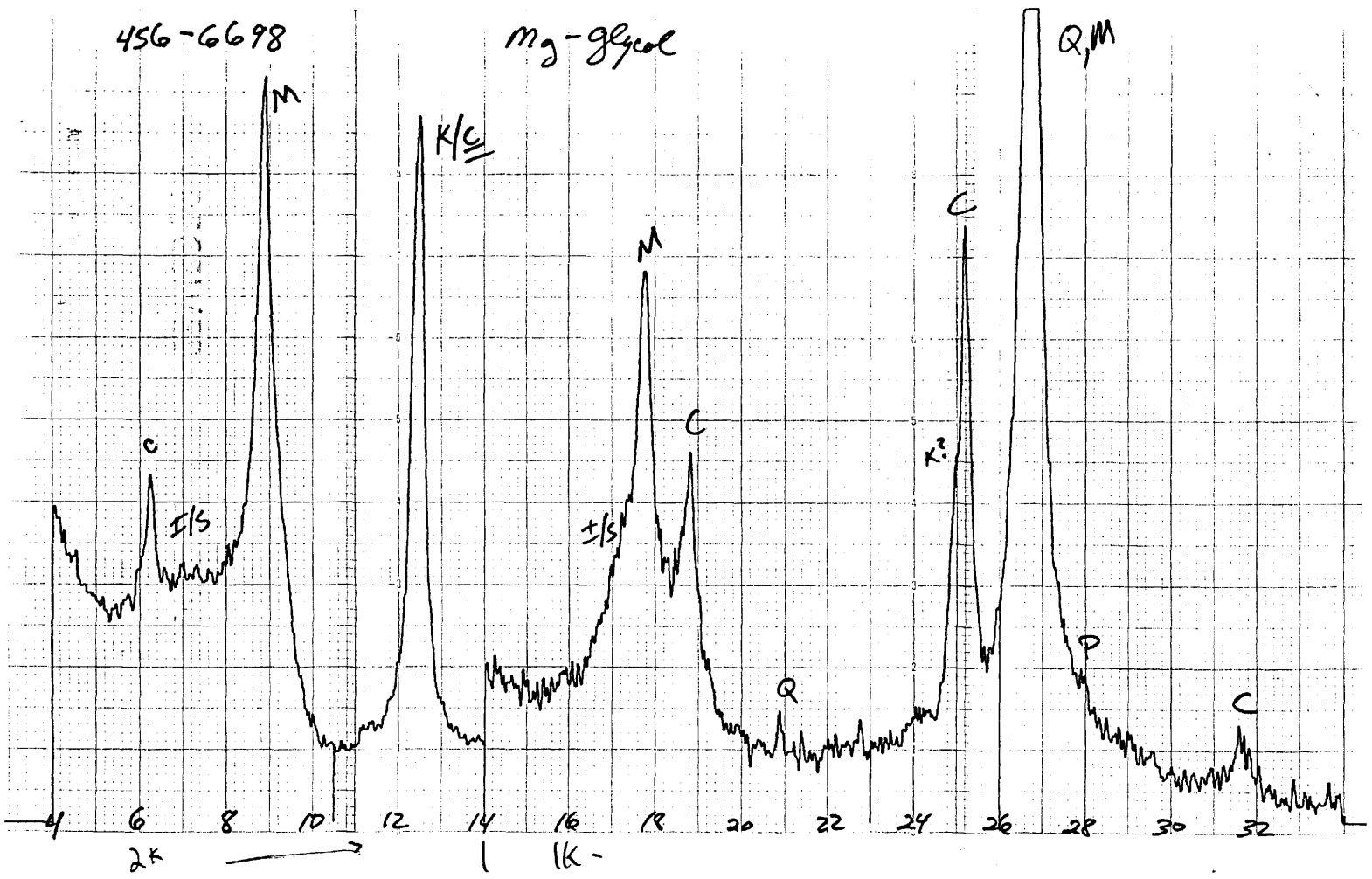


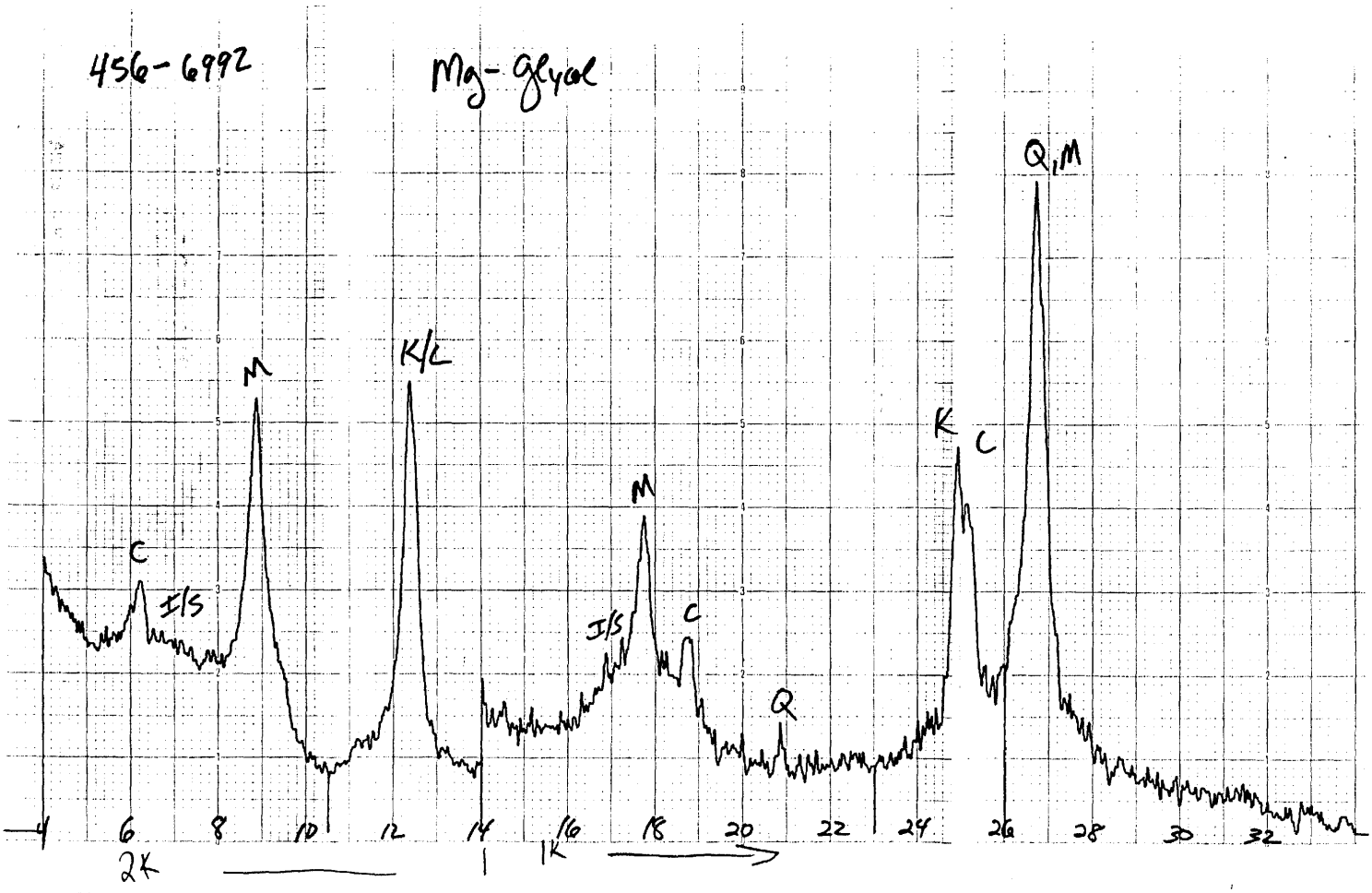
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK PRINTED IN U.S.A. No. GC 29314



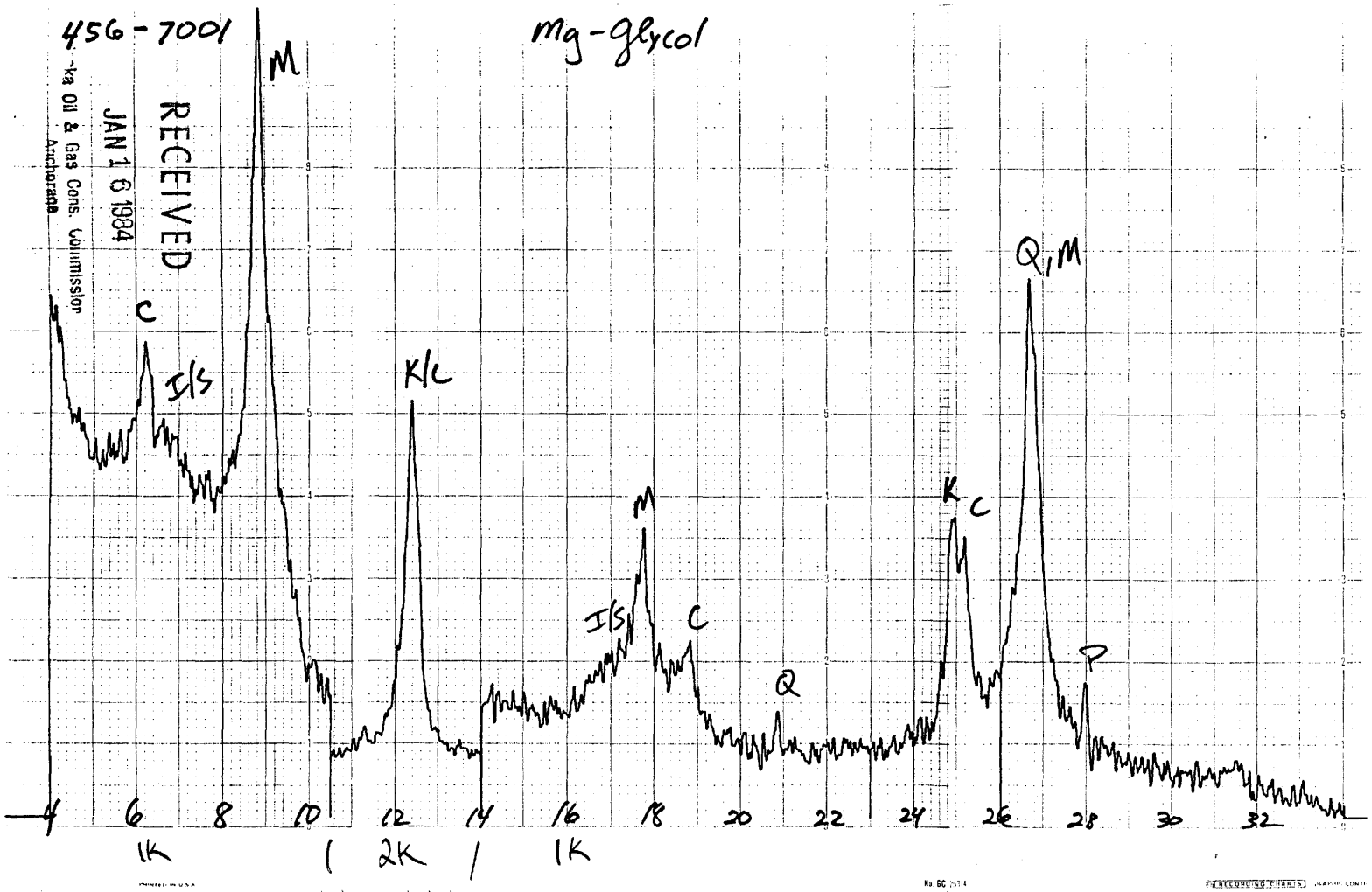
GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A. No. GC 29314


456-5871
mg-glycol
M
K/C
C
I/S
M
C
I/S
Q
K
C
Q, M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1
1K

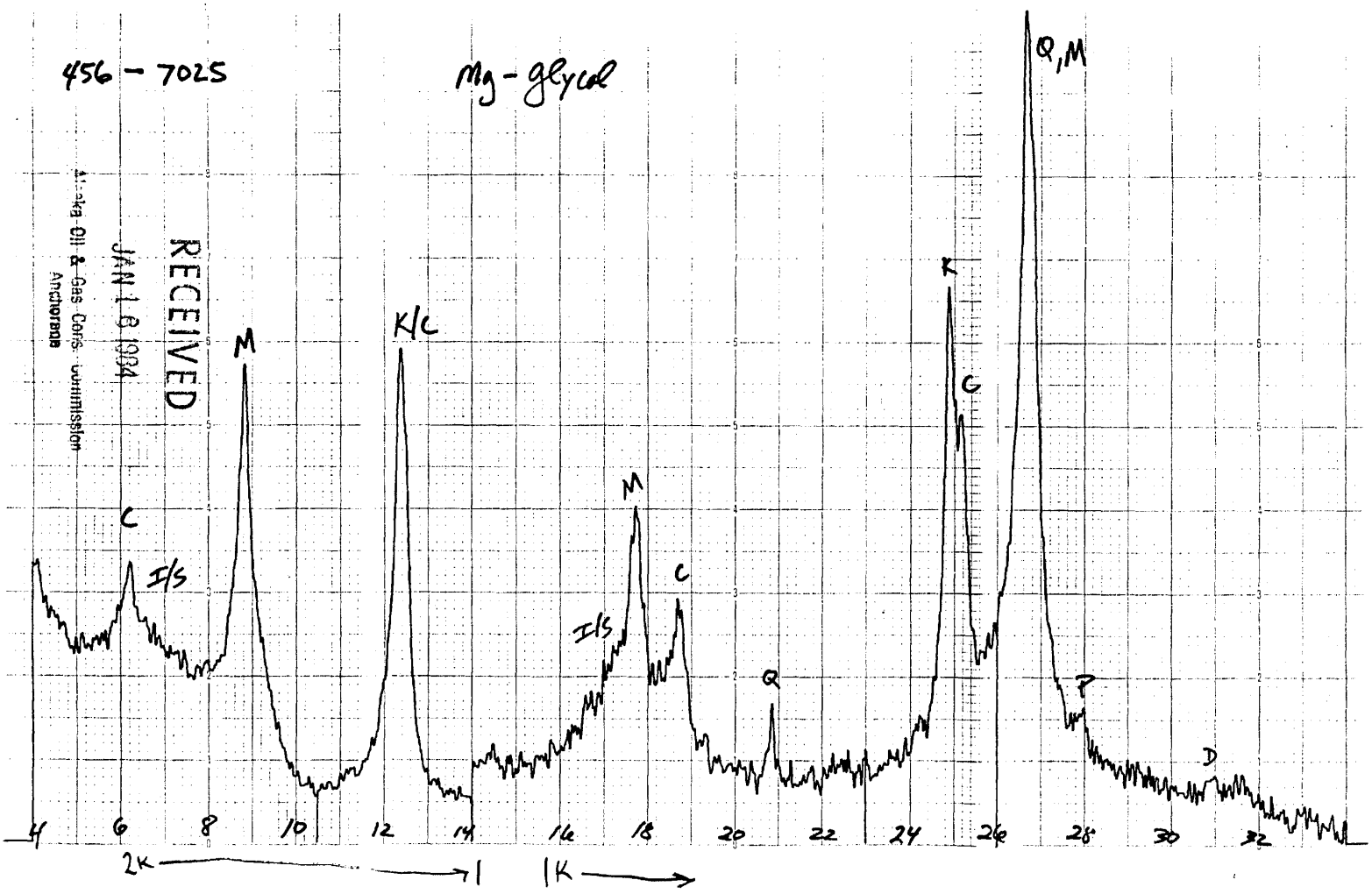

456-6698
mg-glycol
M
K/C
C
I/S
M
±/S
C
Q
C
K?
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

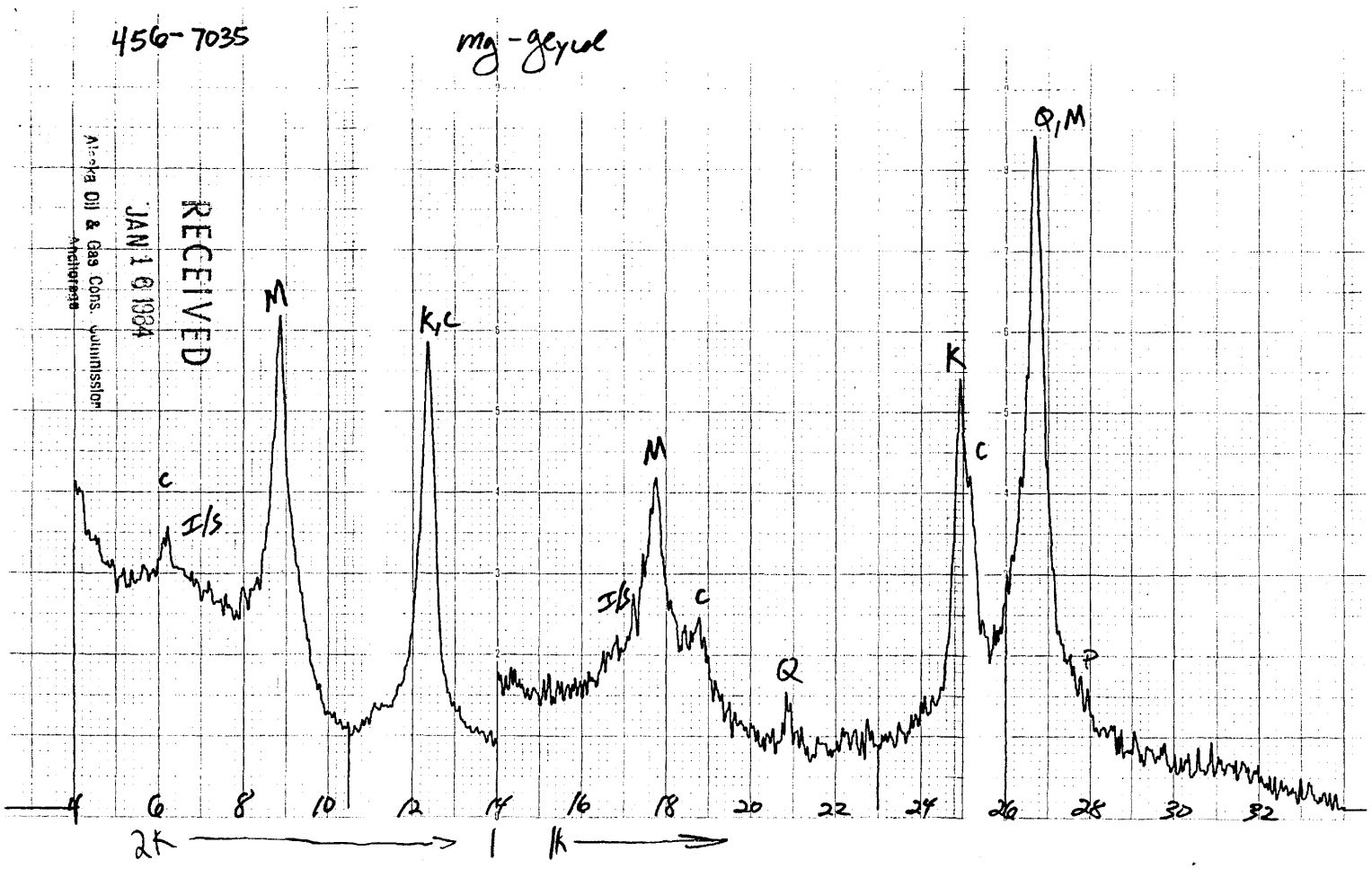


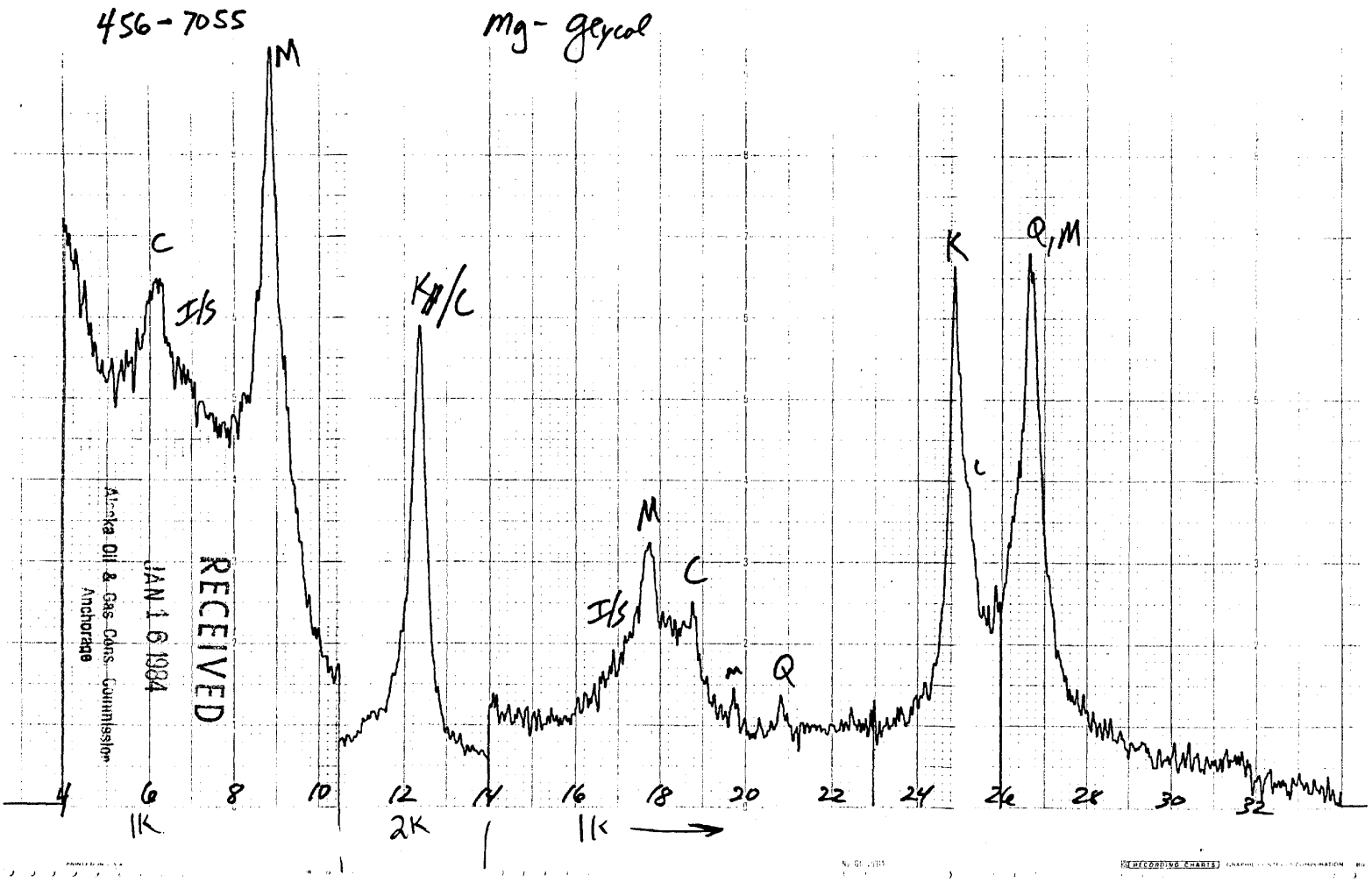
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK PRINTED IN U.S.A.



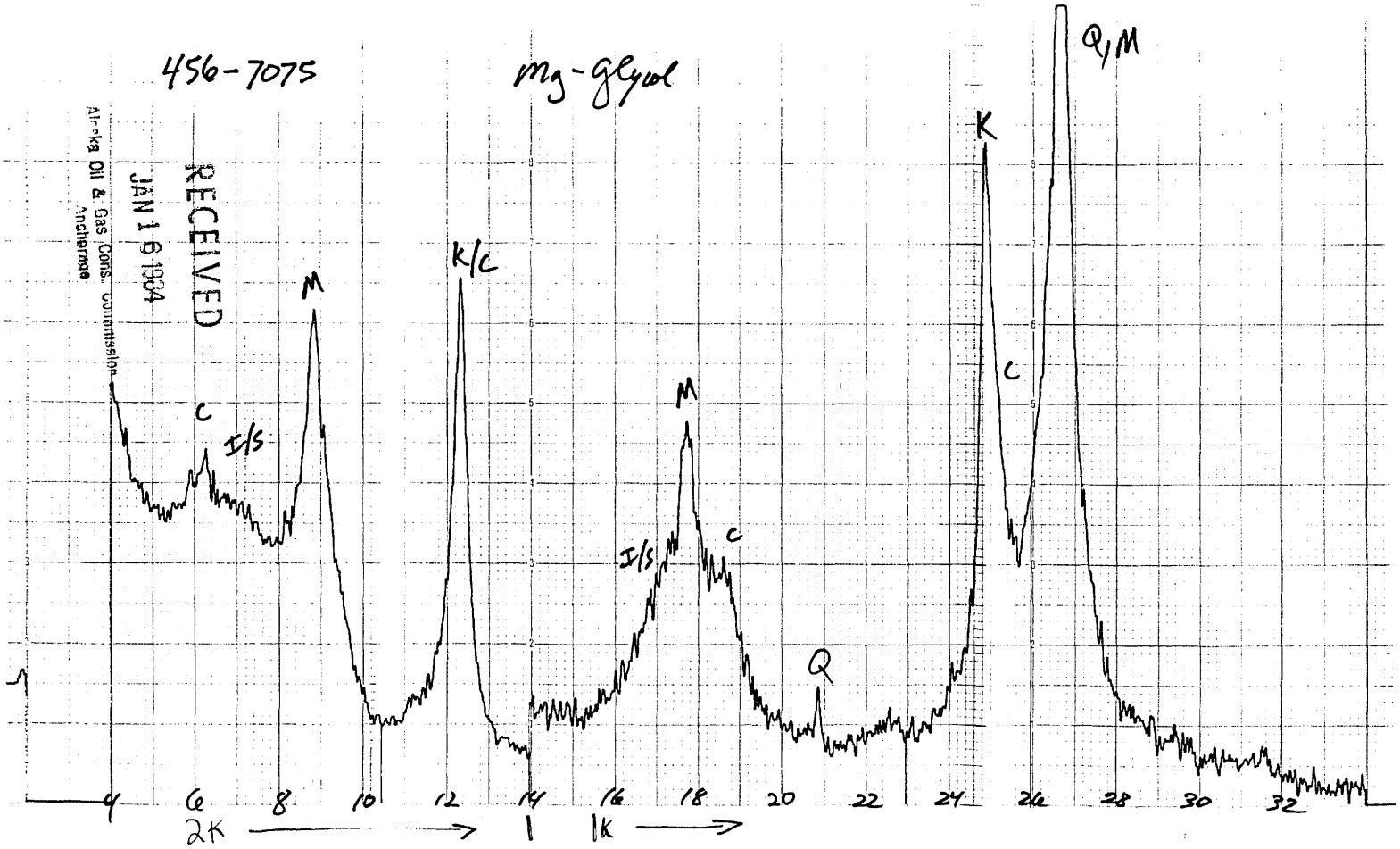
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage

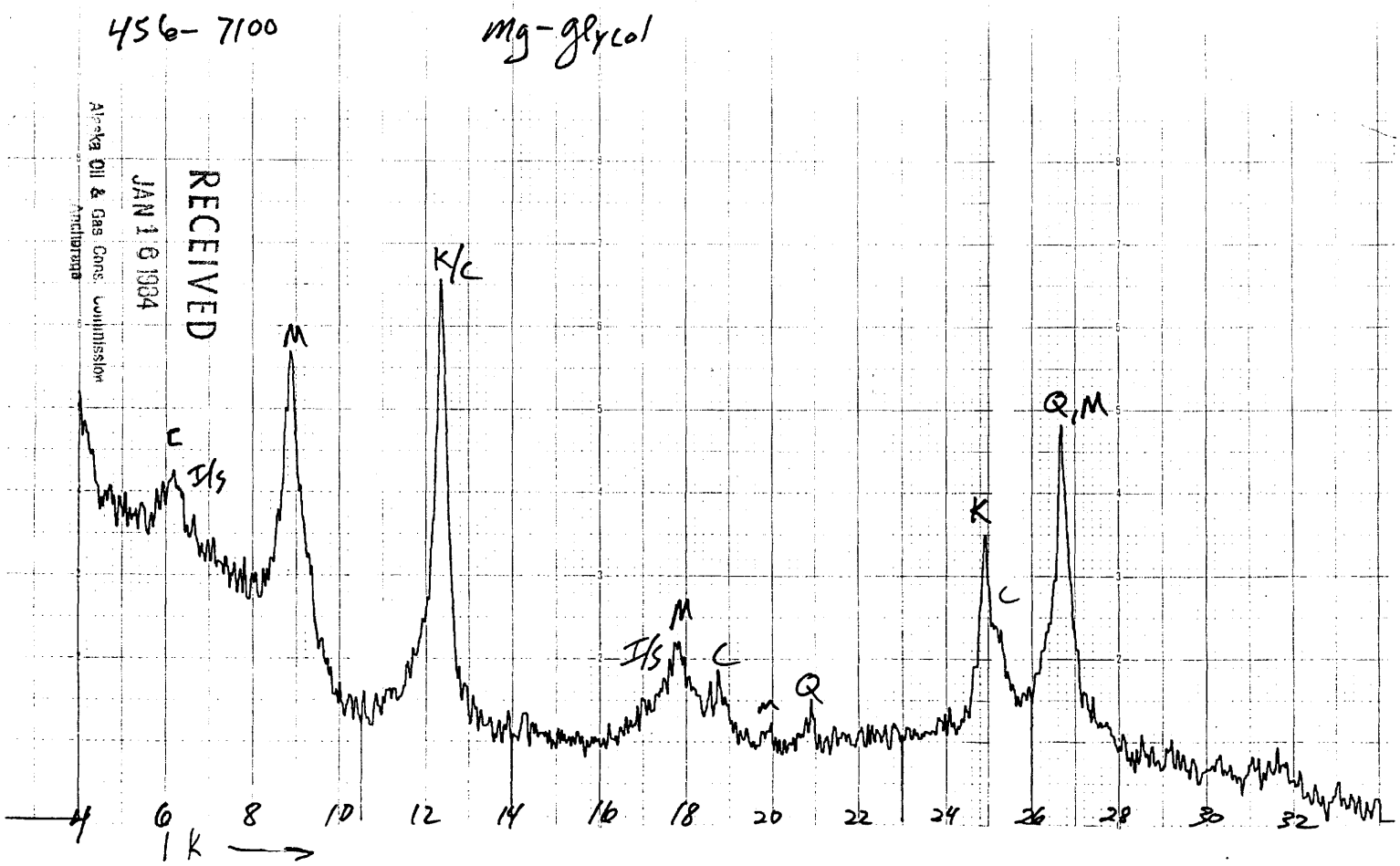

456 - 7025
Mg - glycol
RECEIVED
JAN 1 0 1994
Alaska Oil & Gas Cons. Commission
Anchorage
C
I/S
M
K/C
M
I/S
C
Q
K
G
Q,M
P
D
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


456-7035
mg-geyel
RECEIVED
JAN 1 0 1984
Alaska Oil & Gas Cons. Commission
Anchorage
M
K,C
M
K
Q,M
C
I/S
I/S
C
Q
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2k
1
1k



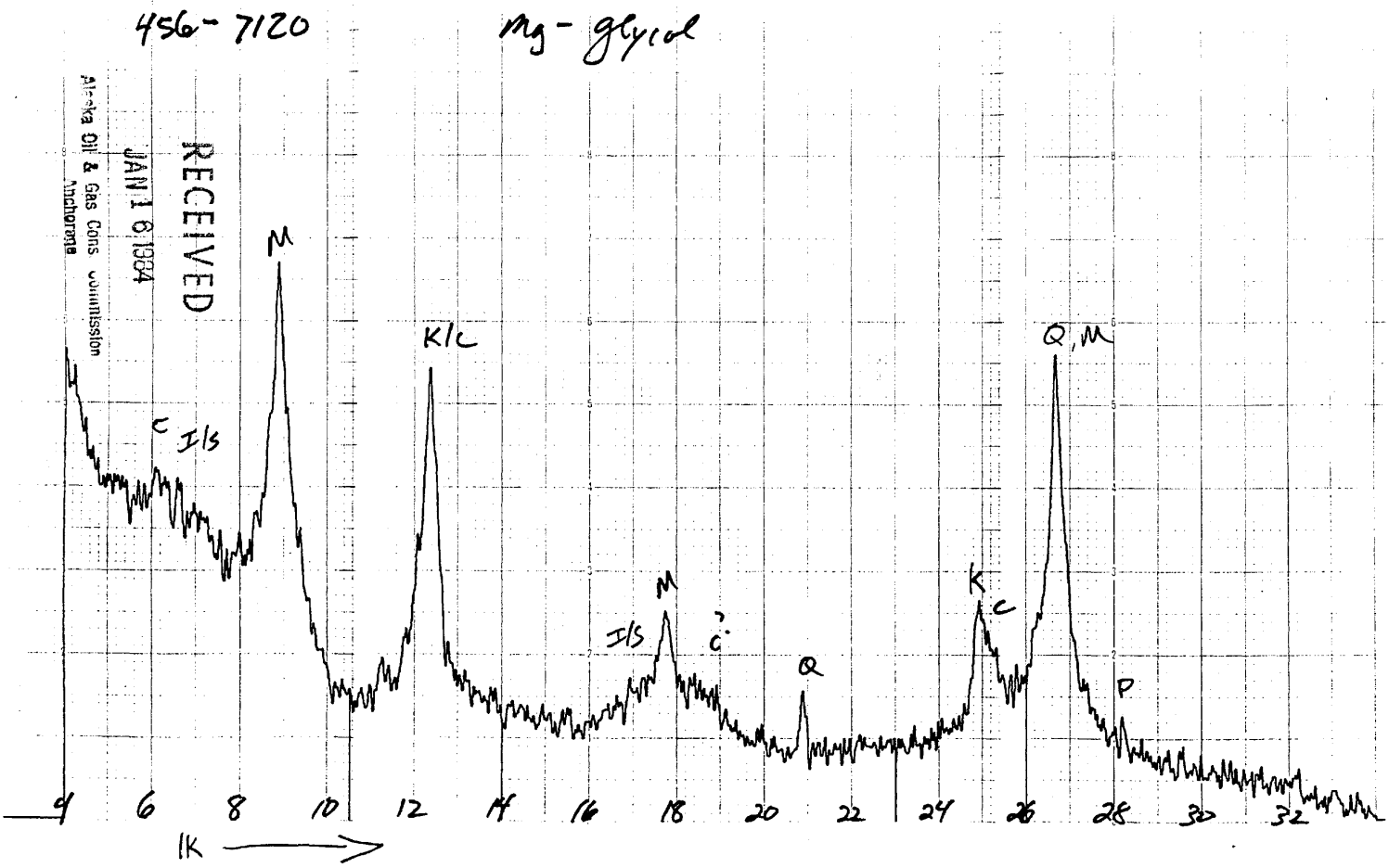
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage

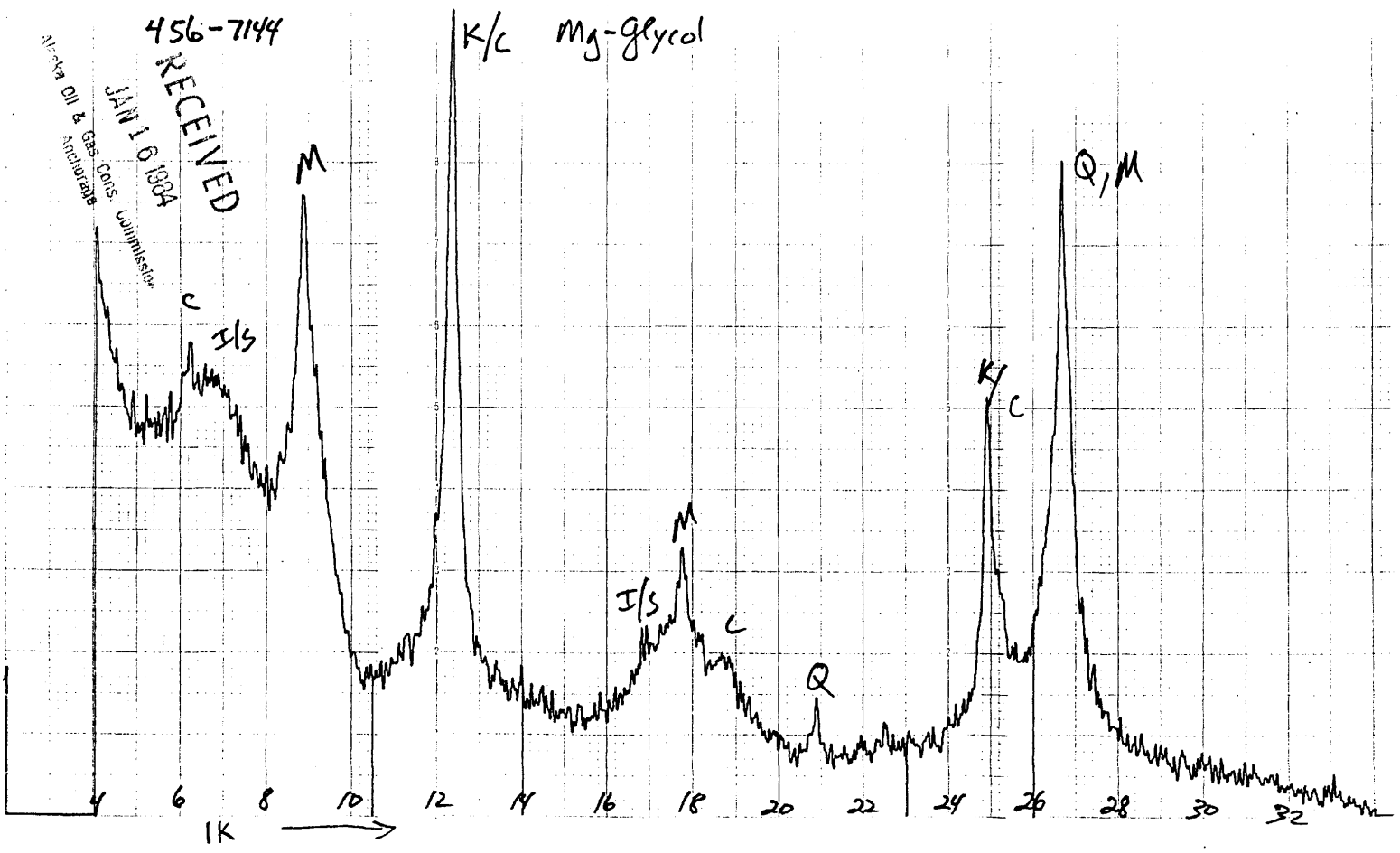

456-7075
mg-glycol
RECEIVED
JAN 19 1994
Alaska Oil & Gas Cons. Commission
Anchorage
M
K/C
M
K
Q,M
C
I/S
I/S
C
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


456- 7100
mg-glycol
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage
M
K/C
C
I/S
M
I/S
C
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K

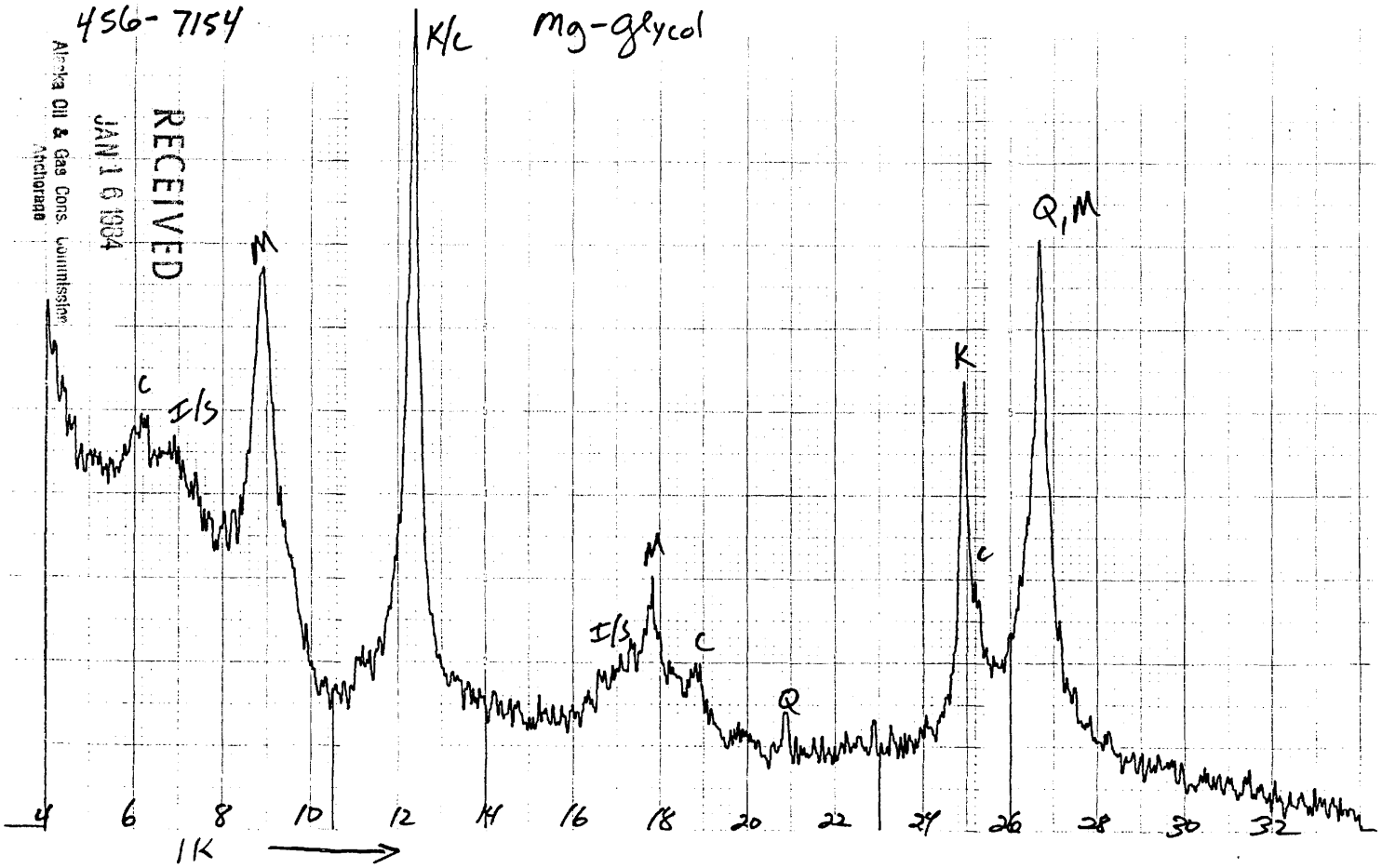
456-7120 mg-glycol

RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage

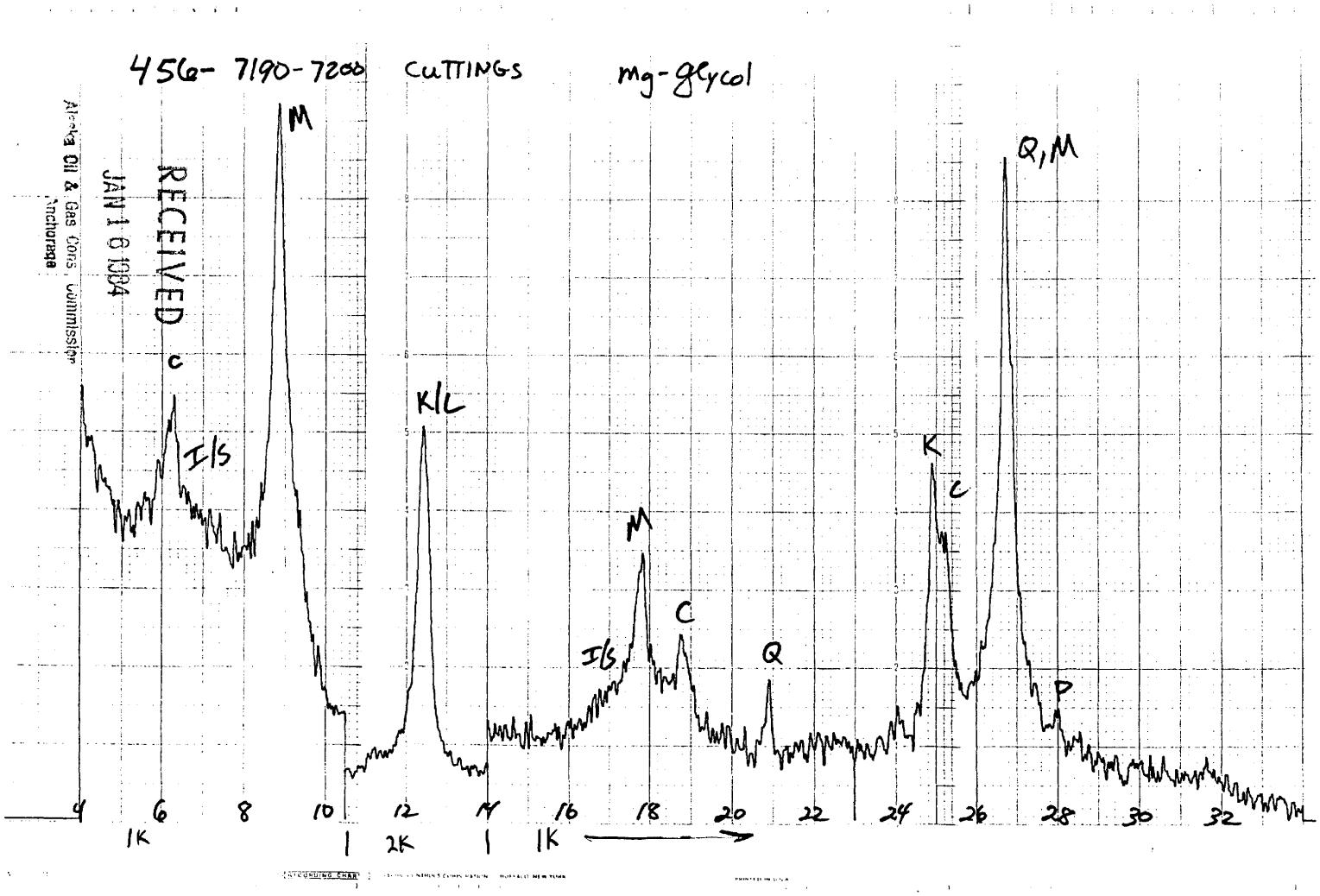




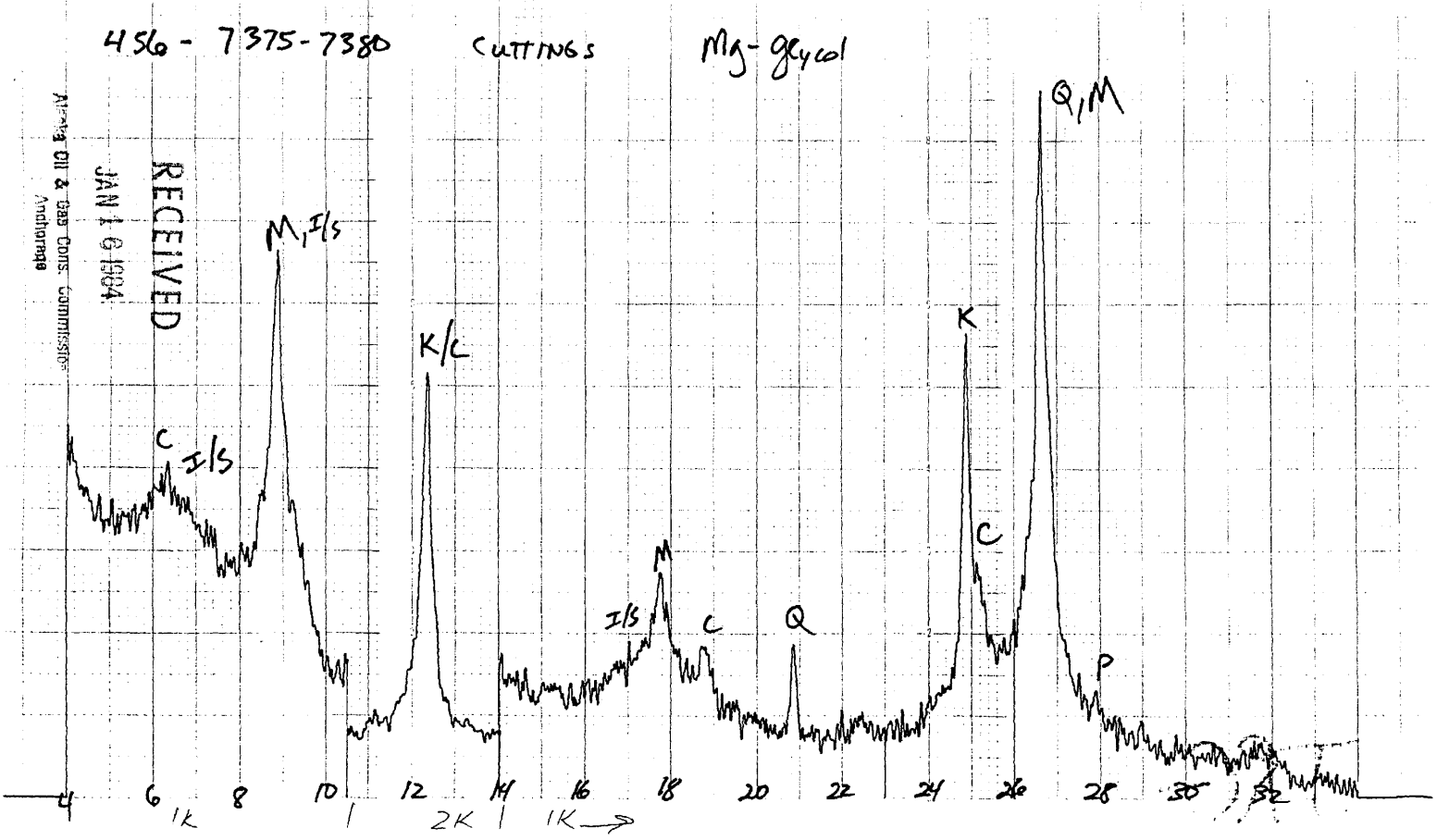
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage



RECEIVED
JAN 16 1994
Alaska Oil & Gas Cons. Commission
Anchorage



RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage


4560 - 7375-7380 CUTTINGS Mg-glycol
RECEIVED
JAN 16 1984
Alaska Oil & Gas Cons. Commission
Anchorage
M, I/S
K/C
C
I/S
I/S
M
C
Q
K
C
Q, M
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K

D

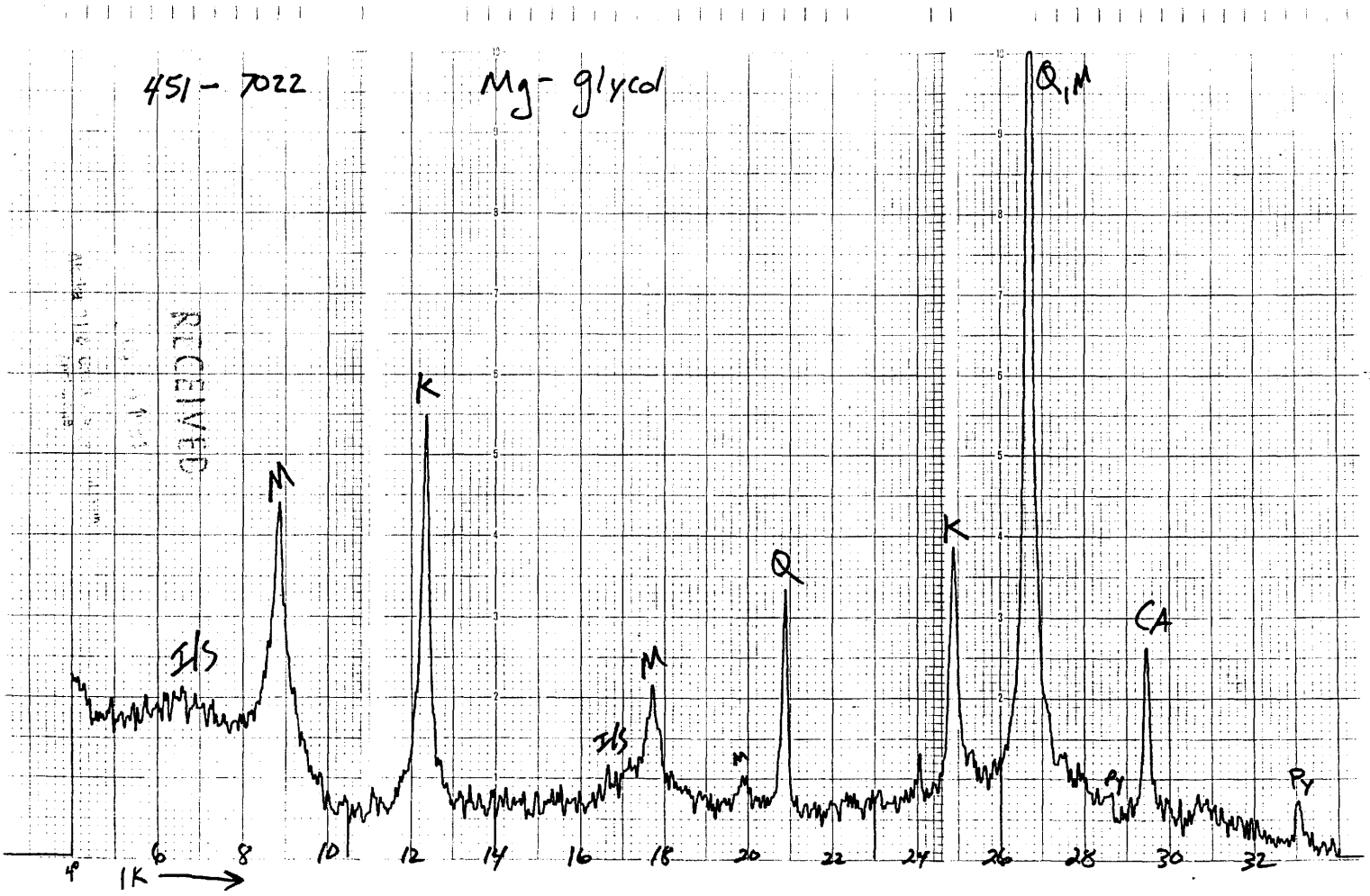
Clay Mineralogy of Conventional Core and Cuttings
Samples From Five N.P.R.A.Wells Boardering
The Beaufort Sea, North Slope, Alaska

South Harrison Bay State No. 1 (St. No. 451)

DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
7022	-	MIN	MOD	-	MAJ	Q3,CA1,Py
7026	-	-	MOD	MAJ	MIN	Q3,P2
7032	-	MOD	MAJ	MAJ	MOD	Q1,P
7035	-	MOD	MAJ	MAJ	MOD	Q1,P
10626	-	-	-	-	-	Q,CA3

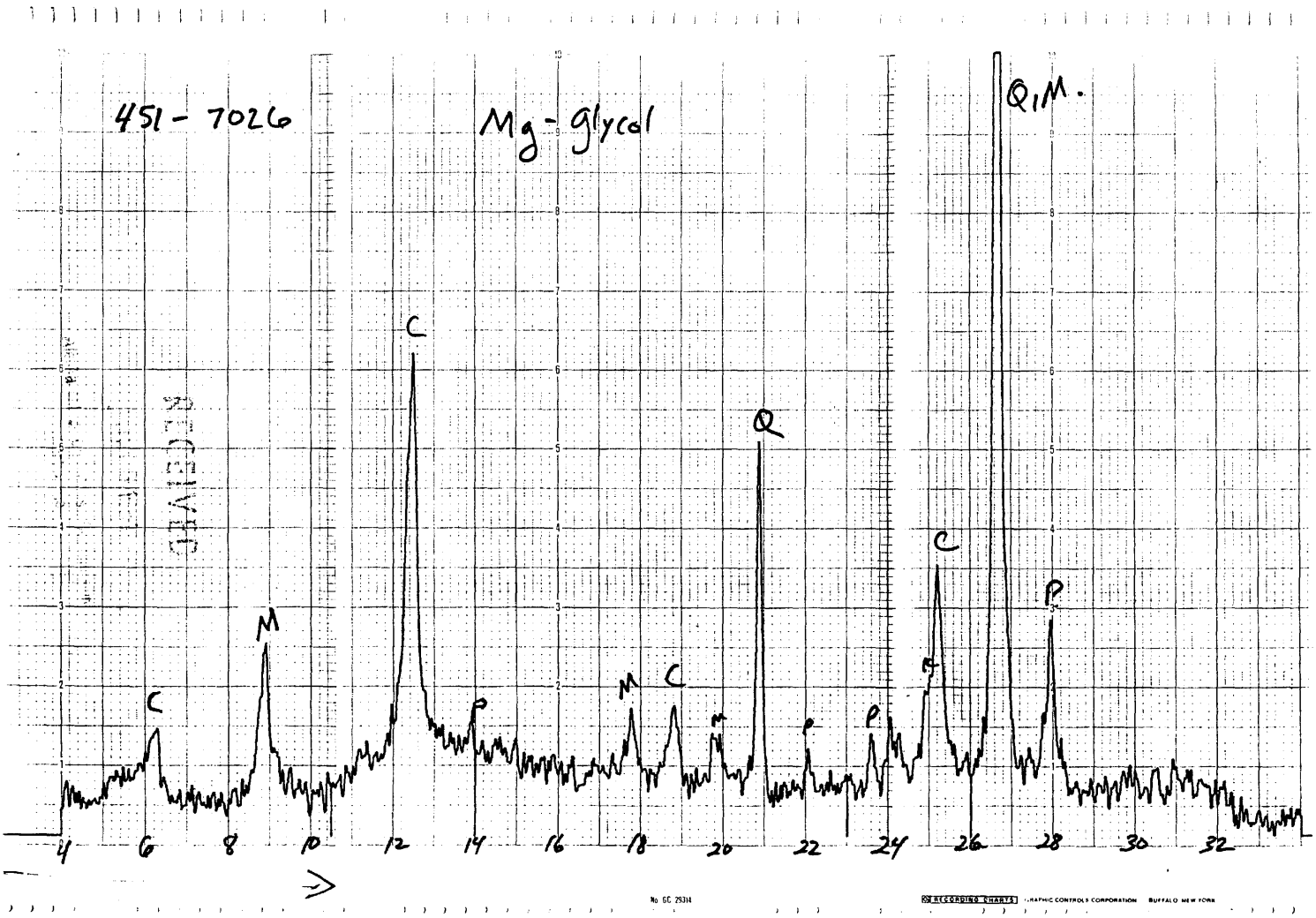
Definitions: TRACE = <3%, MIN = 3 - 12%, Mod = 13 - 35%, Major = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, AN = Analcime, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.
1 = weak, 2 = moderate, 3 = strong xrd peak

RECEIVED



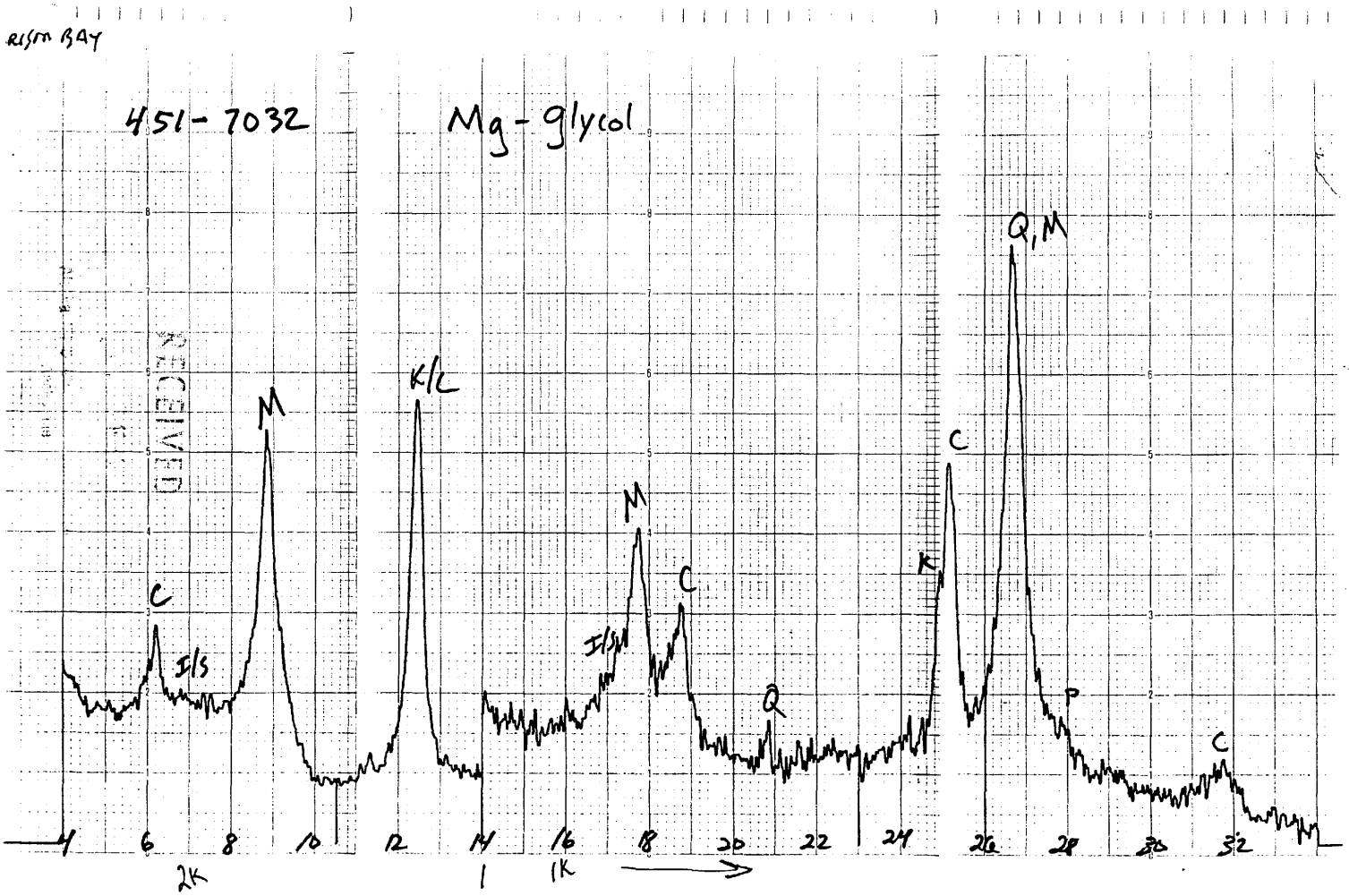
RECEIVED

No. GC 29314 GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK



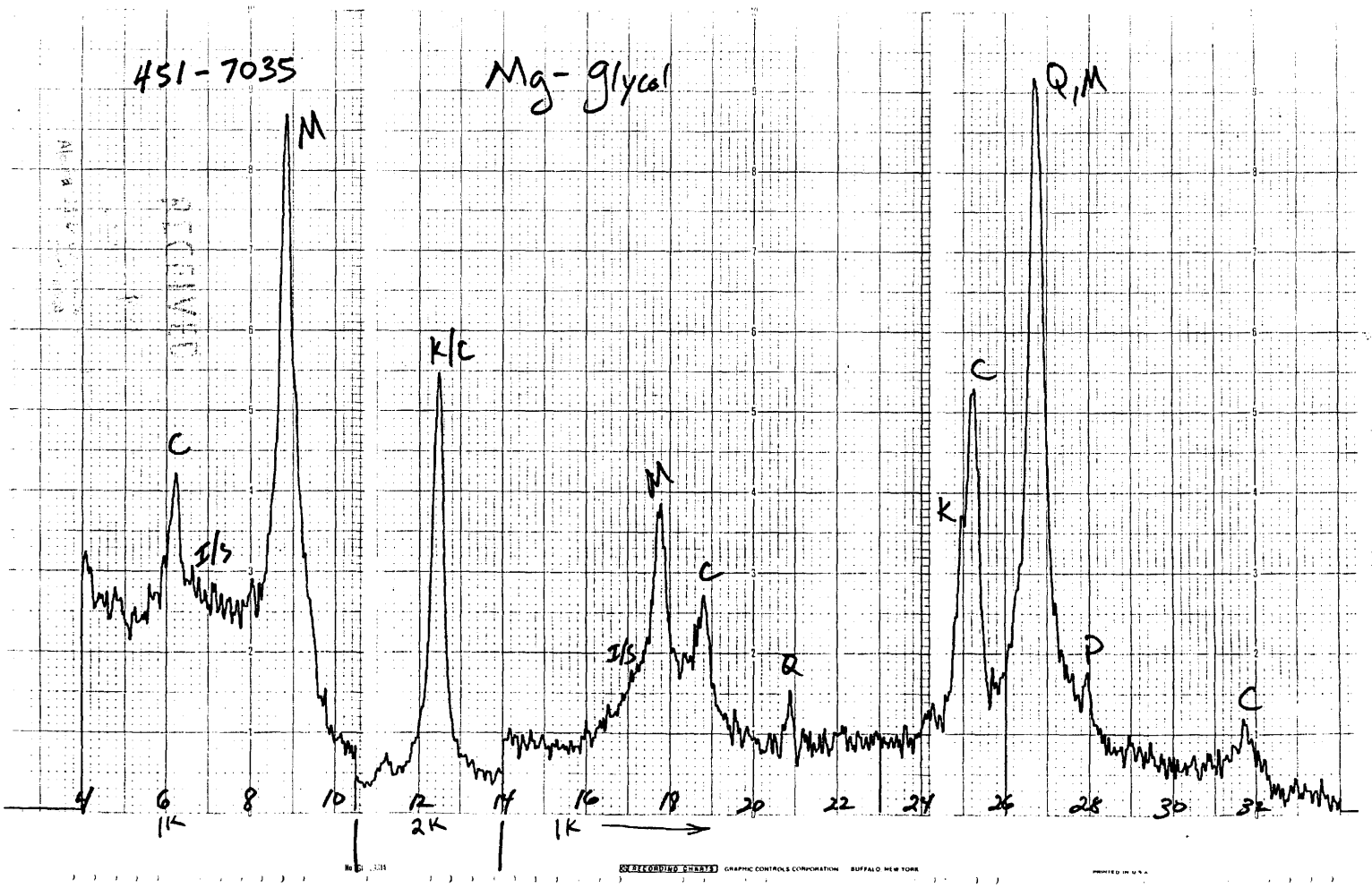
No GC 29314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK

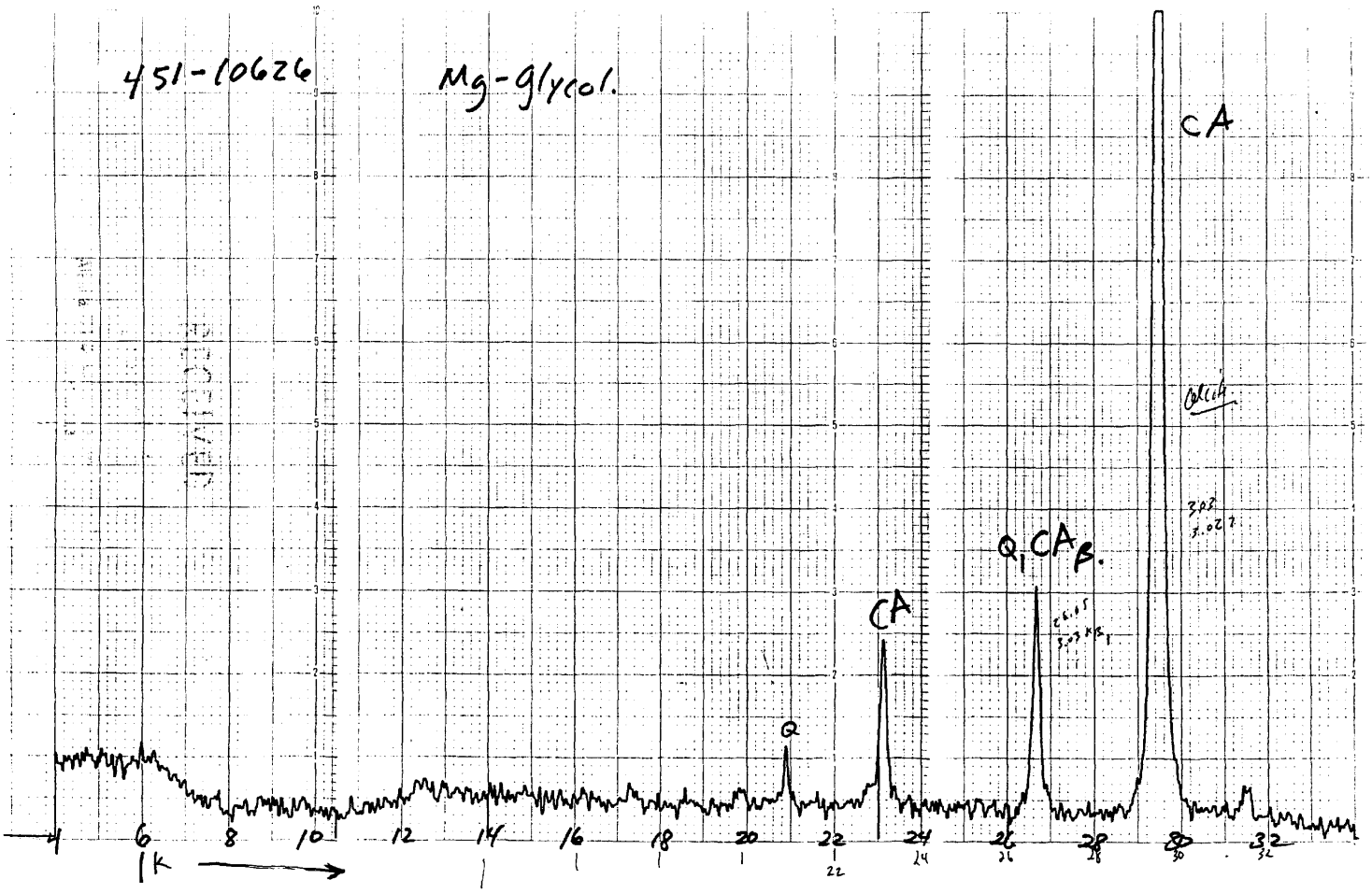
RISM BAY



RECEIVED

No GC 25314 CHECKPOINT CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK


451-7035
Mg-glycol
M
C
I/S
K/C
M
C
I/S
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K



No. GC 2304 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

E

W. T. Foran No.1 (St. No. 462)

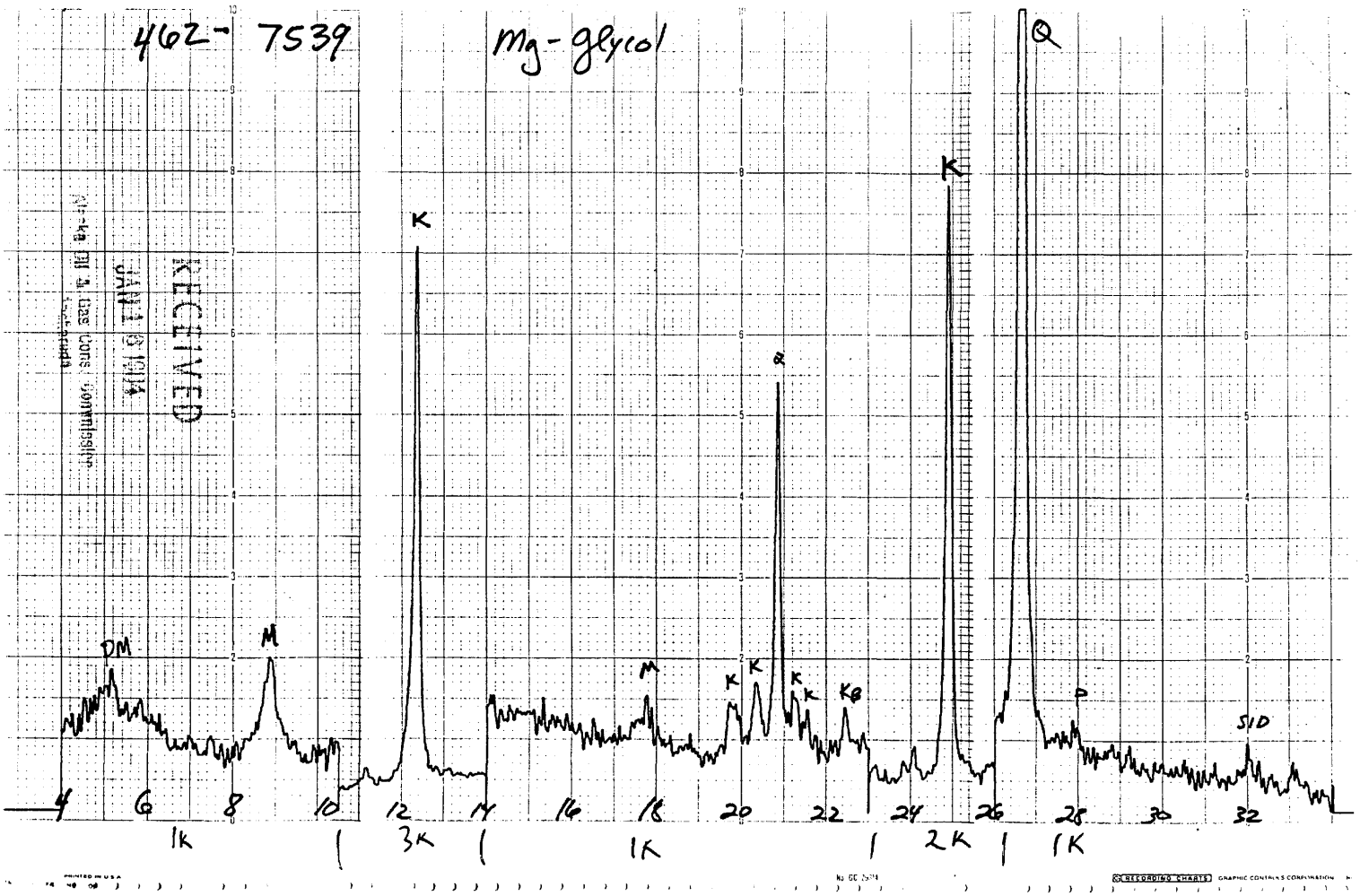
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
7539	-	-	MIN	-	MAJ	Q3,SID,P,DICK.
7545	-	-	MIN	-	MAJ	Q2,P,SID,PY
7549	-	-	MOD	-	MAJ	Q3,P,CA2,PY
7556	-	MIN	MAJ	MAJ	MOD	Q2,P

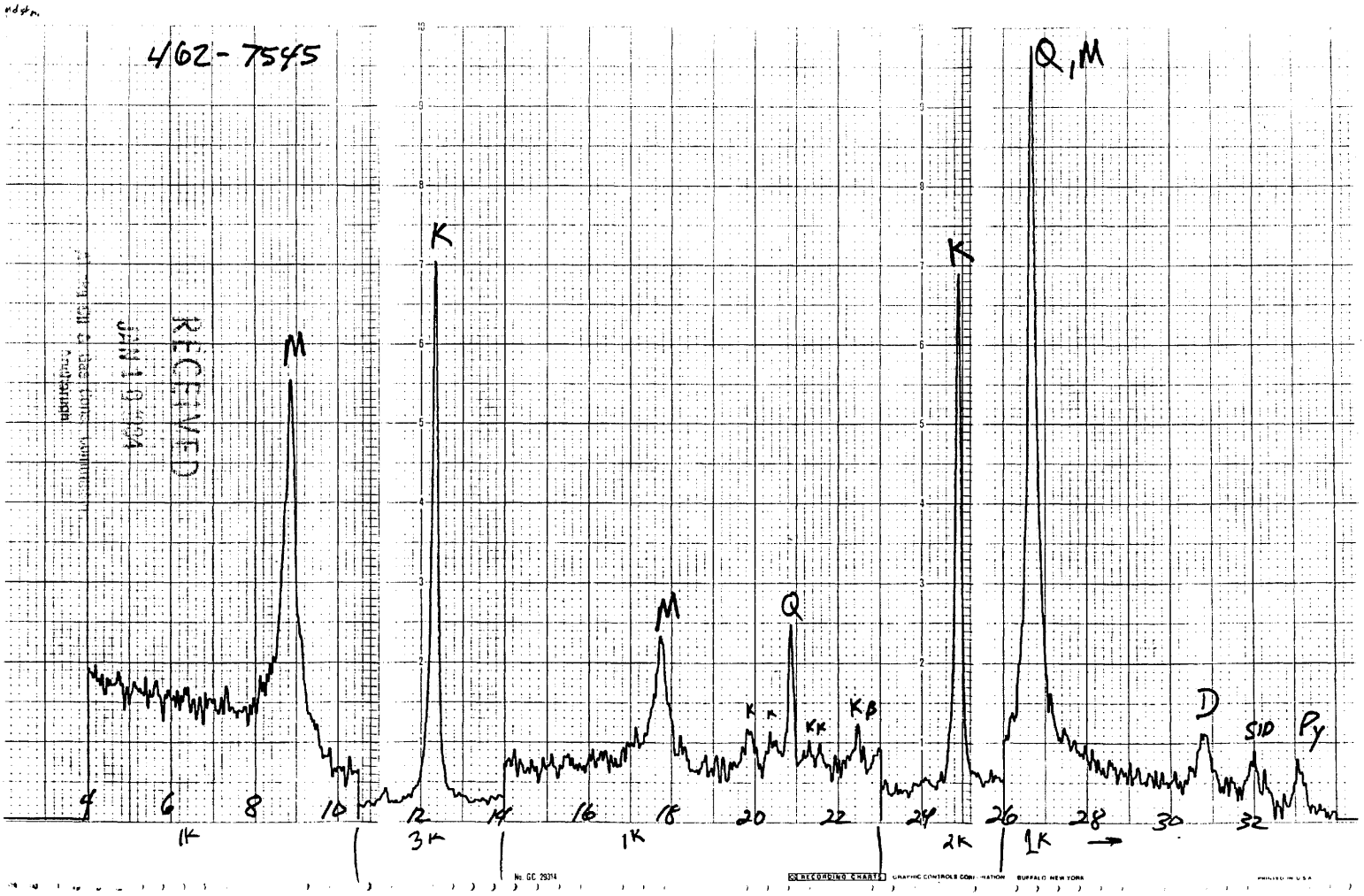
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, SID = Siderite, AP = Apatite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, DICK = Dickite. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments. 1 = weak, 2 = moderate, 3 = strong xrd peak

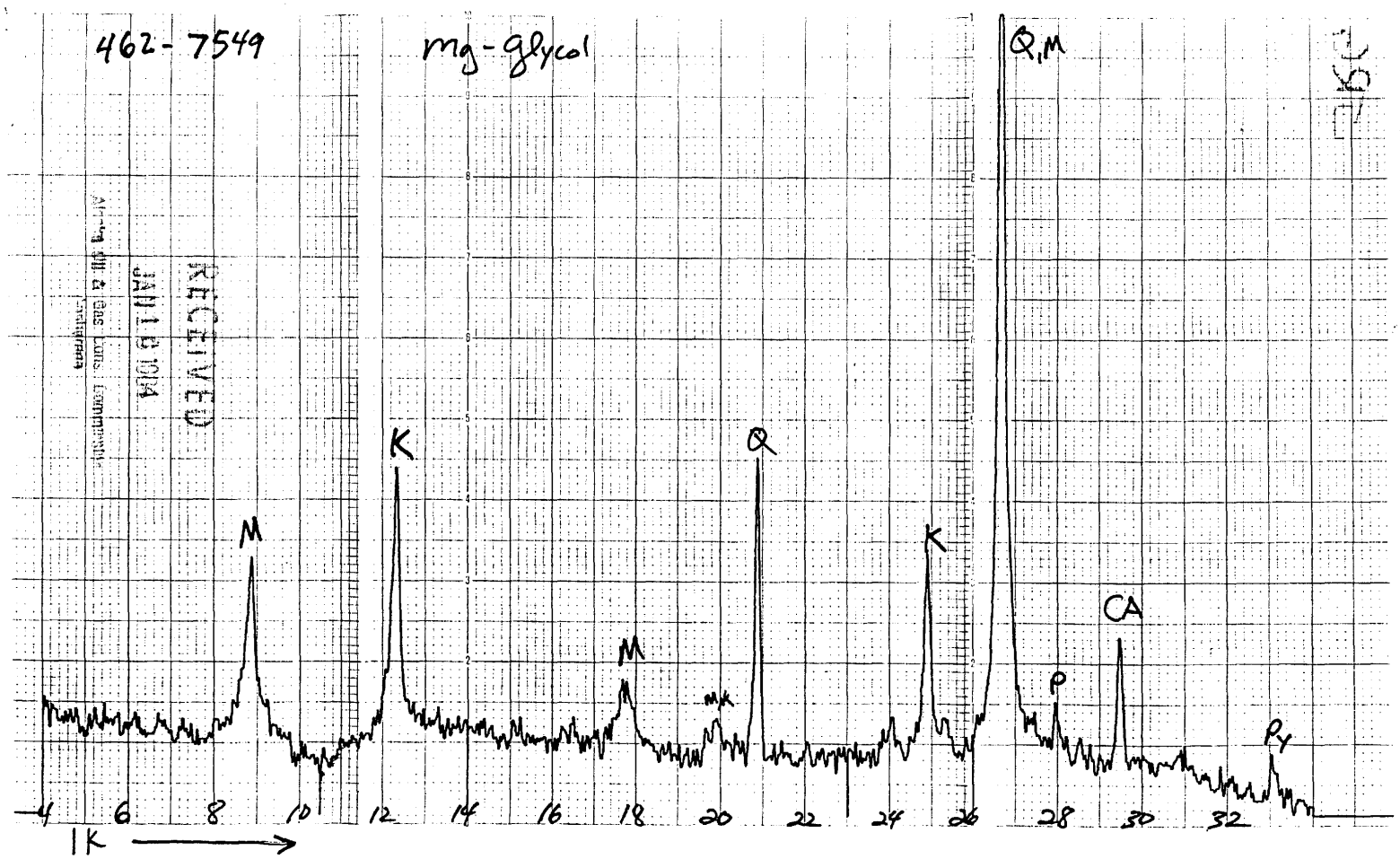
RECEIVED

JAN 1 6 1984

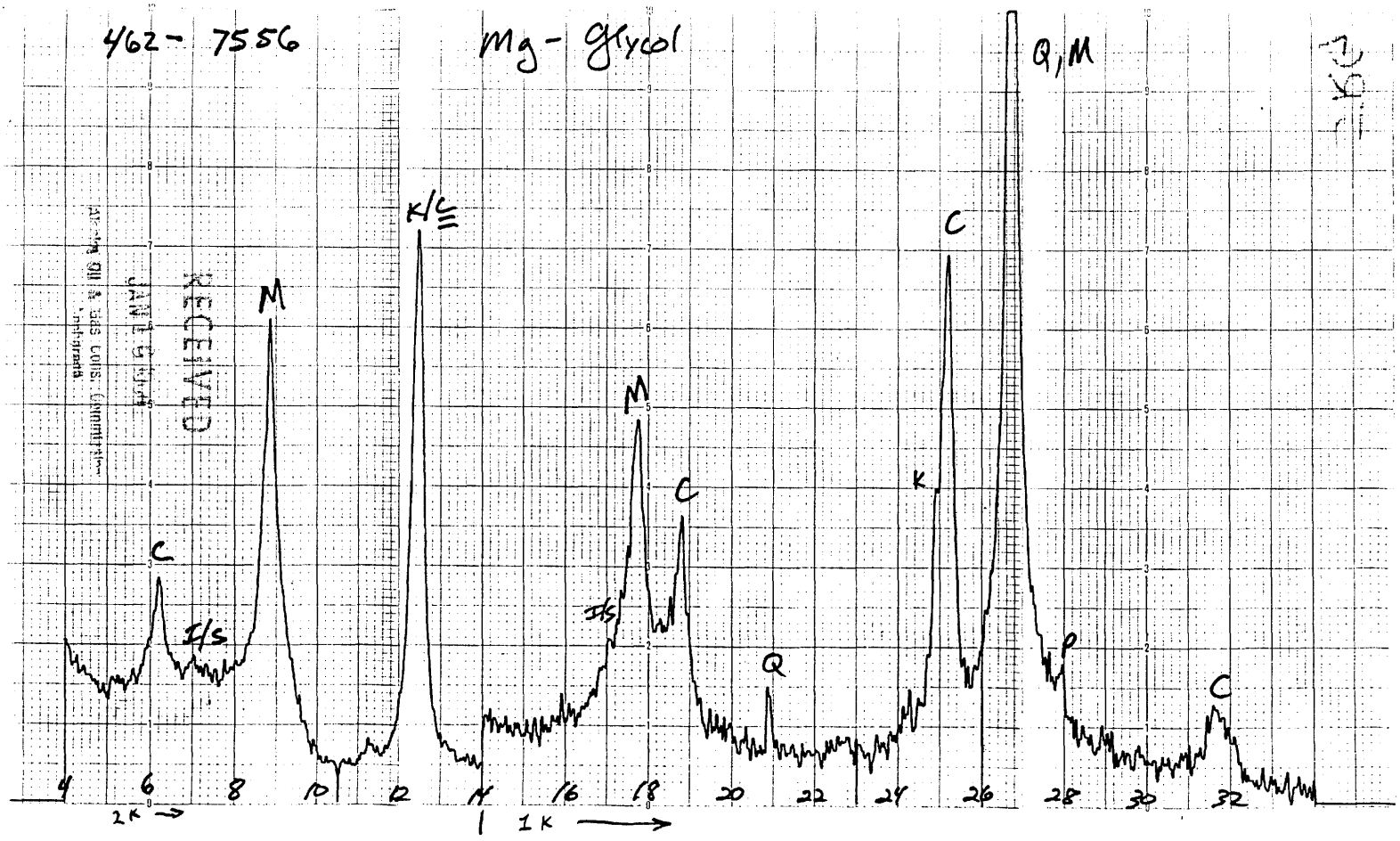
Alaska Oil & Gas Cons. Commission
Anchorage


462-7539
Mg-glycol
RECEIVED
JAN 1 8 1974
Oil & Gas Cons. Commission
Anchorage
PM
M
K
M
K
K
K
K
Q
K
Q
P
SID
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
3K
1K
2K
1K


462-7545
RECEIVED
JAN 10 1994
M
K
M
Q
K
Q,M
D
SID
Py
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
3K
1K
2K
1K
No. GC 29314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK
PRINTED IN U.S.A.



No GC 25214 CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.



RECEIVED
JAN 1 0 1974
Arizona Oil & Gas Cons. Commission
Tucson, Arizona

No GC 2514 GRAPHIC CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

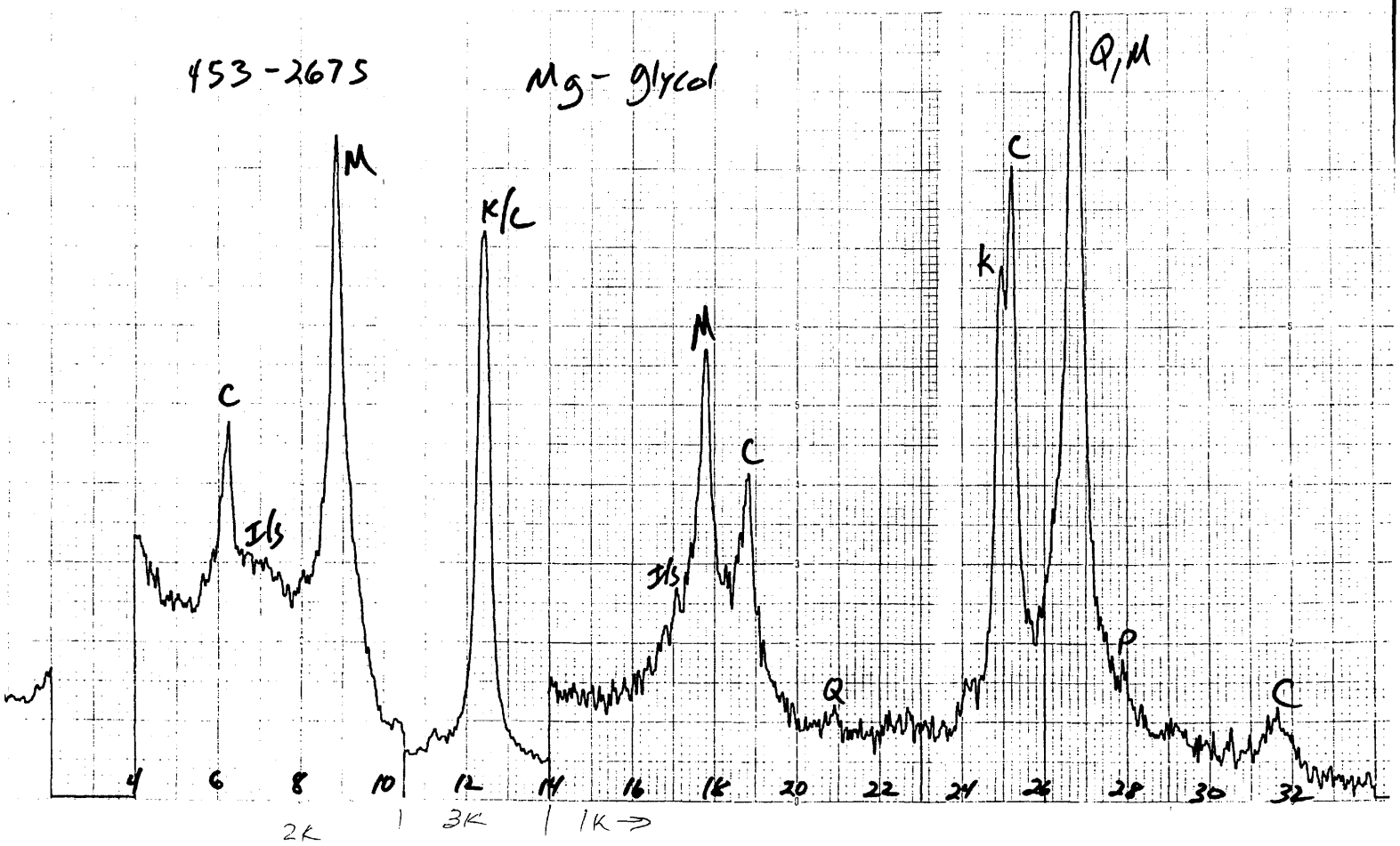
188 F

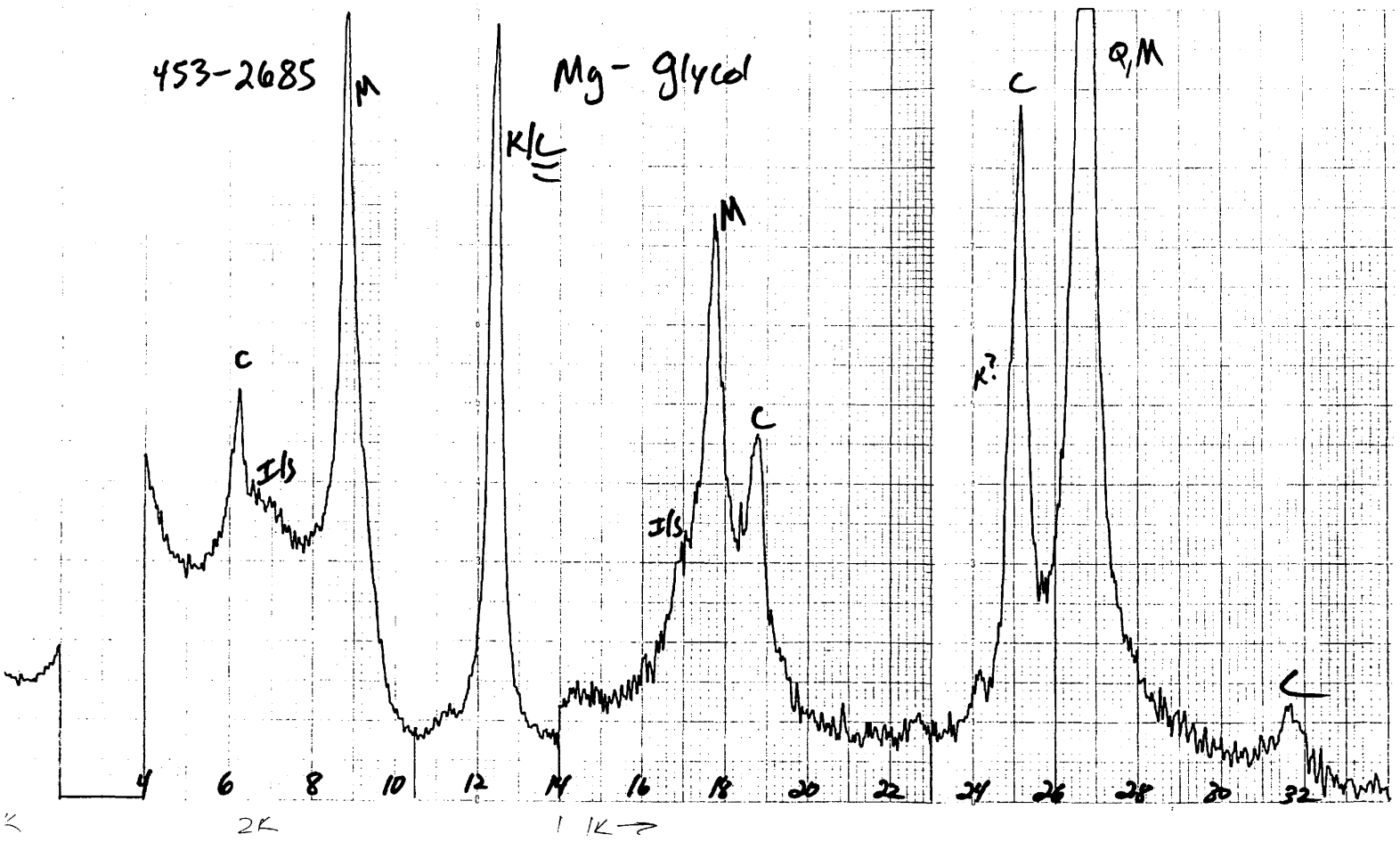
EAST SIMPSON NO. 1 (ST. NO. 453)

DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
2675	-	MOD	MOD	MOD	MOD	Q,P
2685	-	MOD	MOD	MAJ	MIN	Q
3510-40	-	MIN	MOD	MAJ	MOD	Q,P
3990-4020	-	MOD	MOD	MAJ	MOD	Q1,P
5120	-	MOD	MOD	MAJ	-	Q,P
5128	-	MOD	MOD	MAJ	-	Q
5820-35	-	MOD	MOD	MAJ	MOD	Q,P
6010-20	-	MOD	MAJ	MAJ	MOD	Q,P
6300-10	-	MOD	MOD	MAJ	MOD	Q,P
6480-6500	-	MOD	MOD	MOD	MOD	Q,P
6600-20	-	MOD	MAJ	MOD	MOD	Q,P
6810	-	MOD	MOD	MAJ	-	Q1
6832	-	MOD	MAJ	MAJ	-	Q
6846	-	MIN	MOD	MAJ	-	Q2
6856-60	-	MAJ	MAJ	MOD	-	Q
6867	-	MOD	MAJ	MAJ	-	Q1
7428-30	-	MOD	TR	-	TR	CA(LS),Q

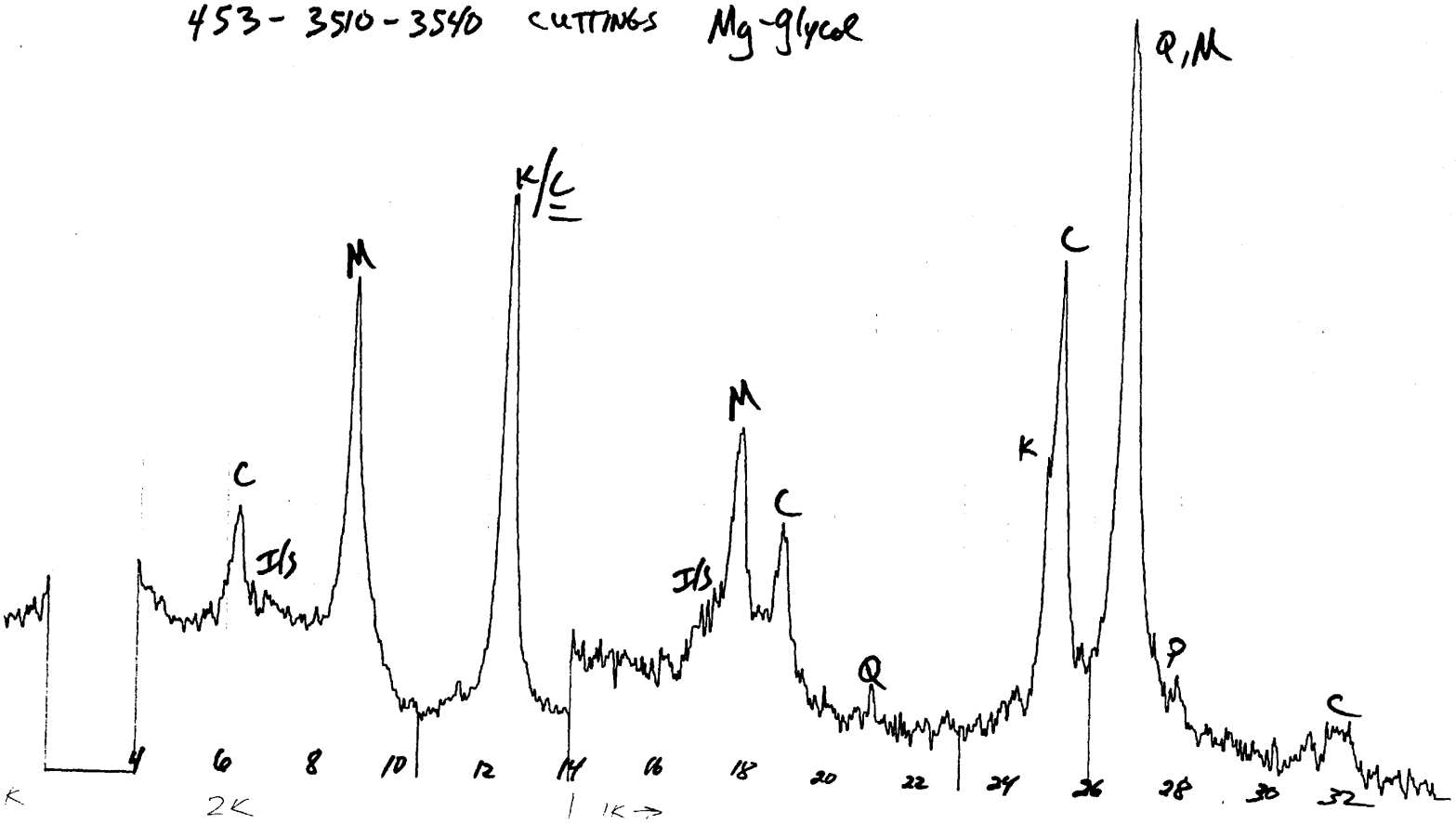
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, D = Dolomite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.
1 = weak, 2 = moderate, 3 = strong xrd peak

RECEIVED
MAR 22 1984
Alaska Oil & Gas Cons. Commission

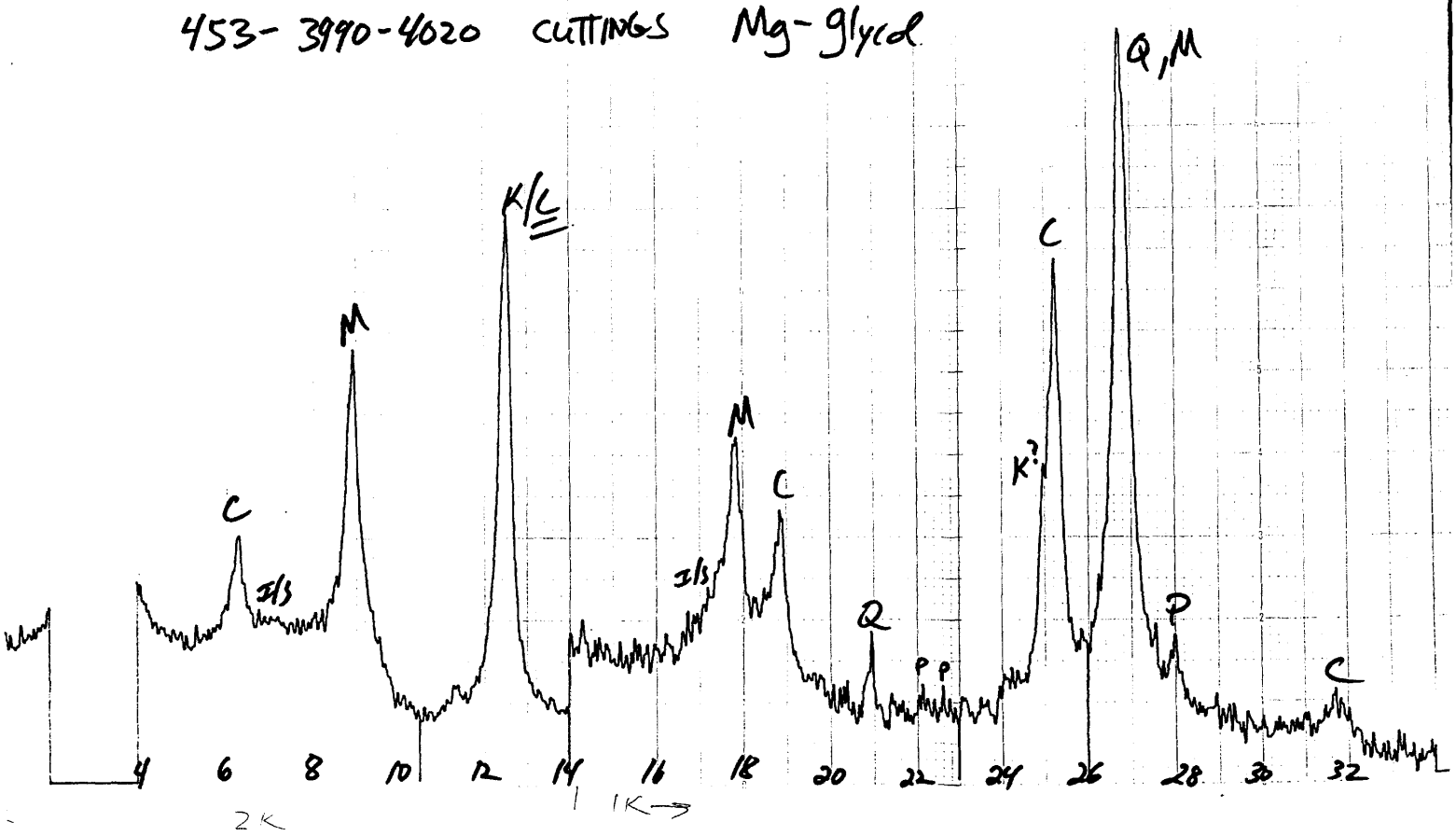

453-2675
Mg-glycol
C
I/s
M
K/C
M
I/s
C
Q
k
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K

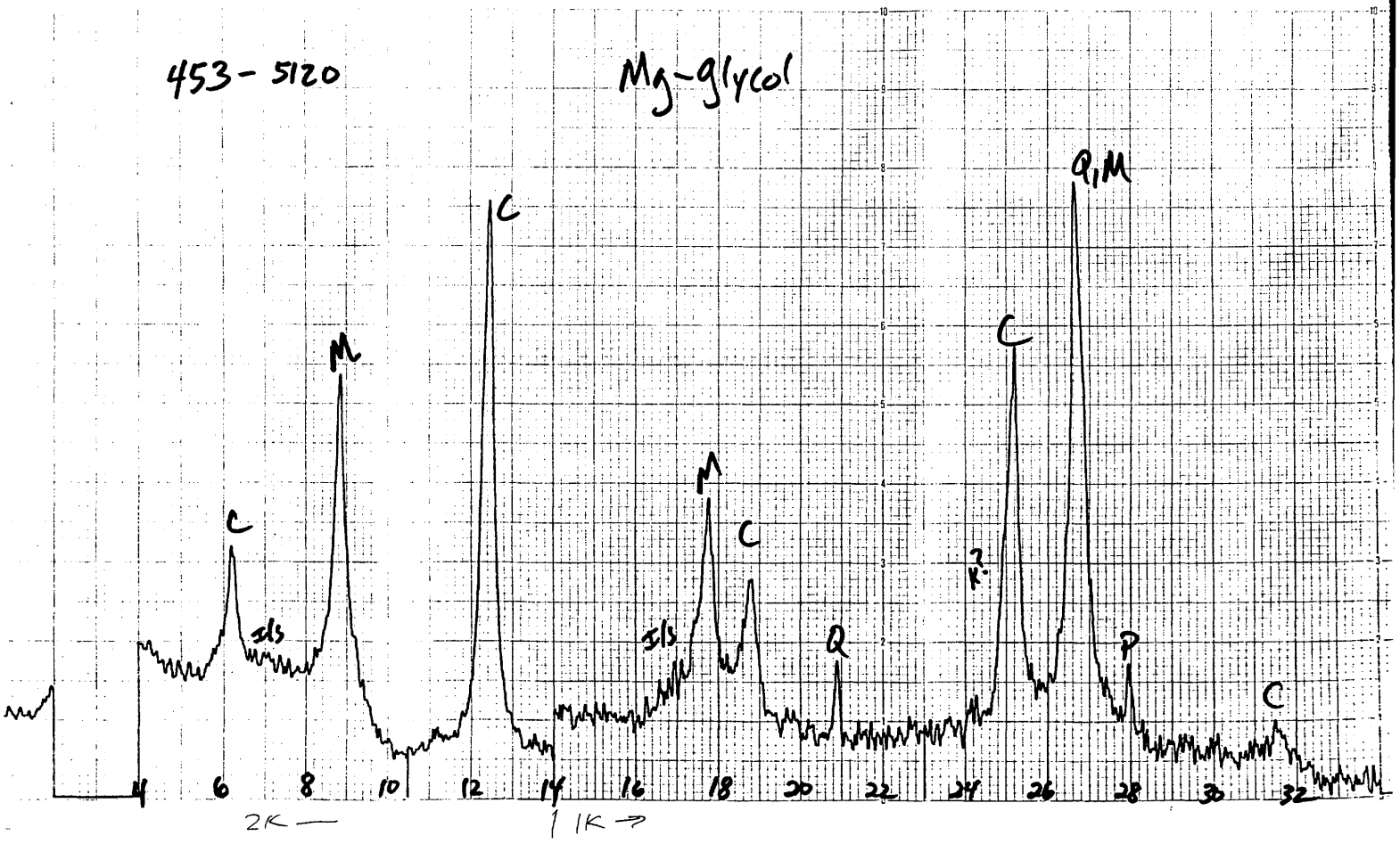

453-2685
Mg- glycol
M
K/C
C
I/S
M
C
I/S
C
K?
Q/M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1 K

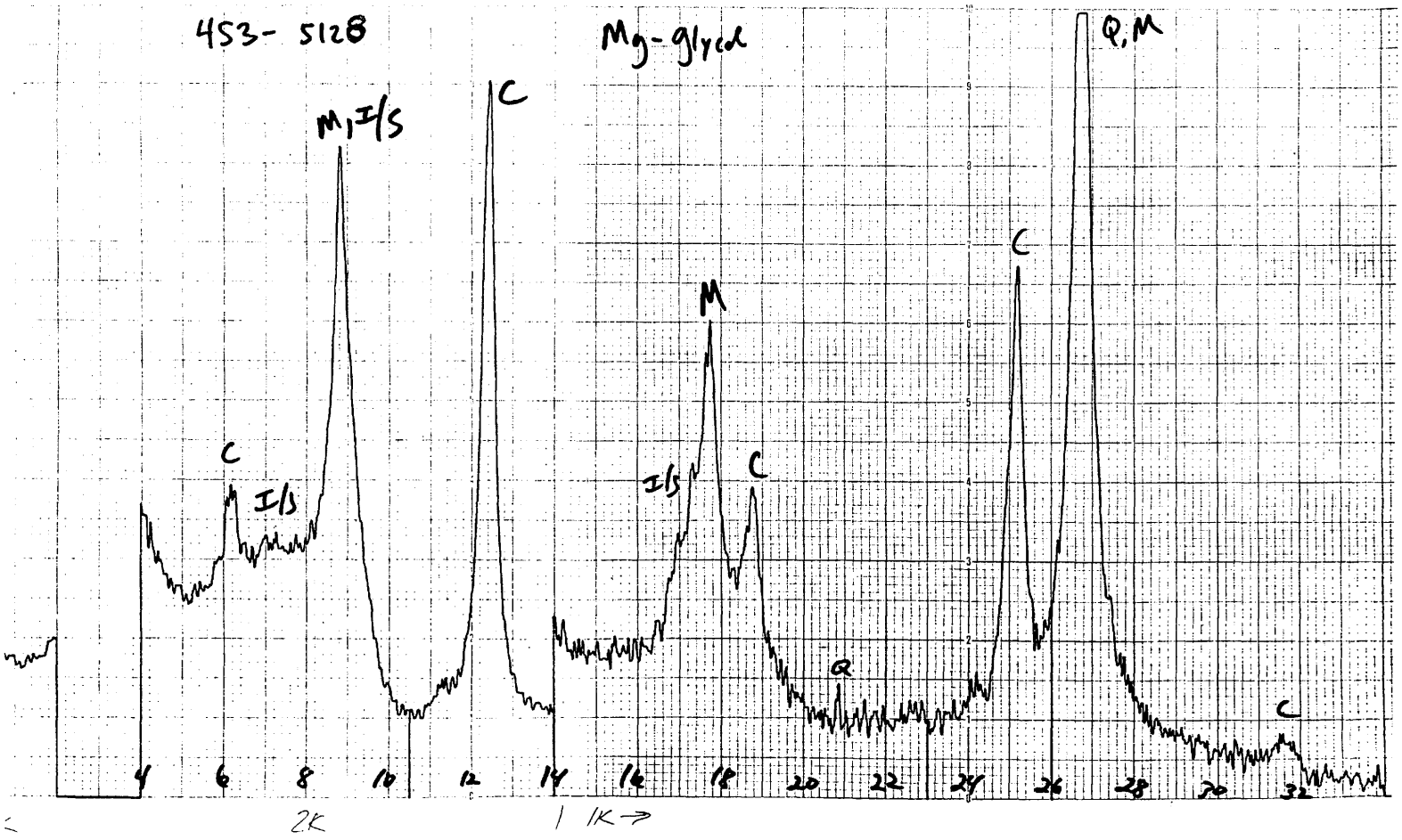
453 - 3510 - 3540 CUTTINGS Mg-glycol

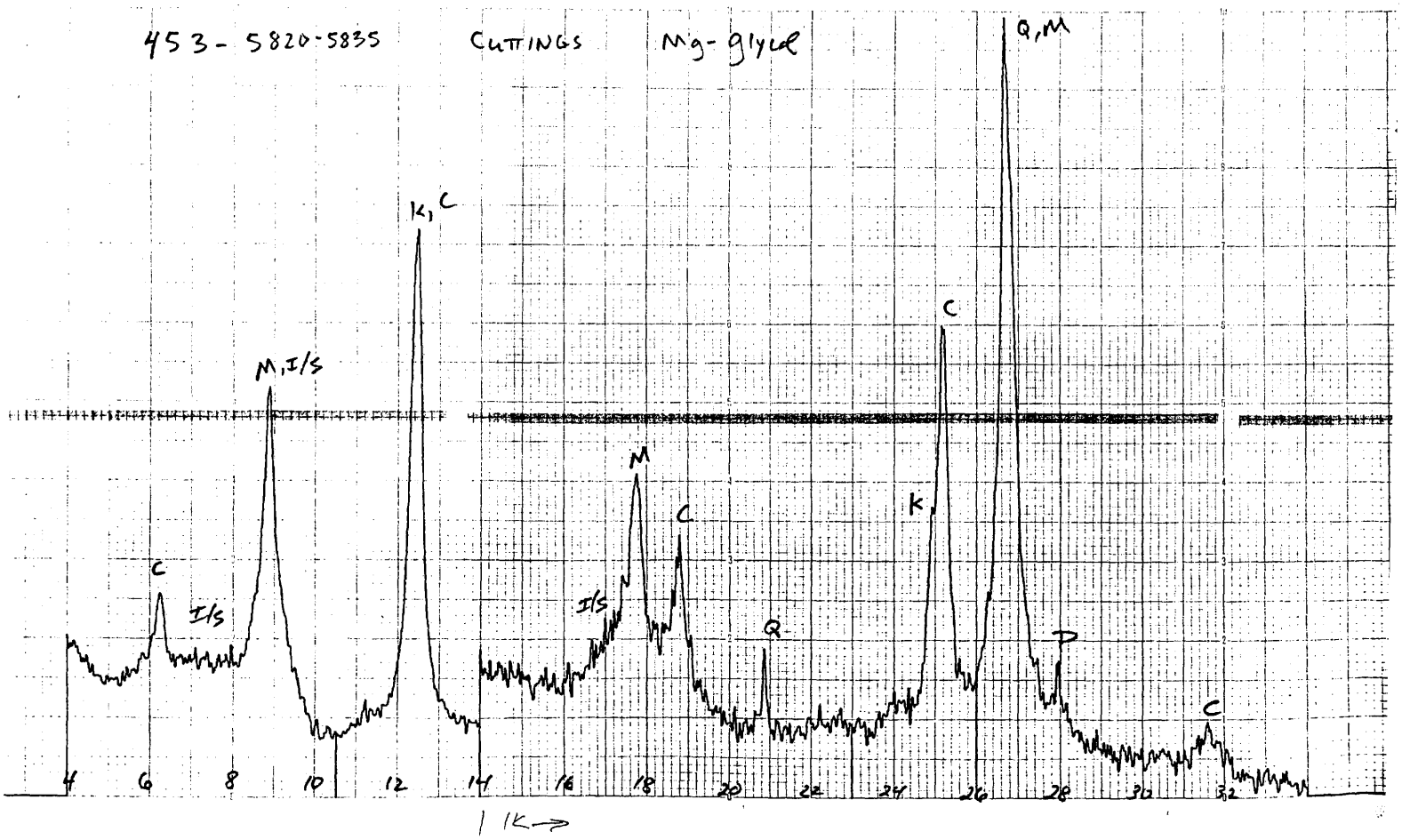


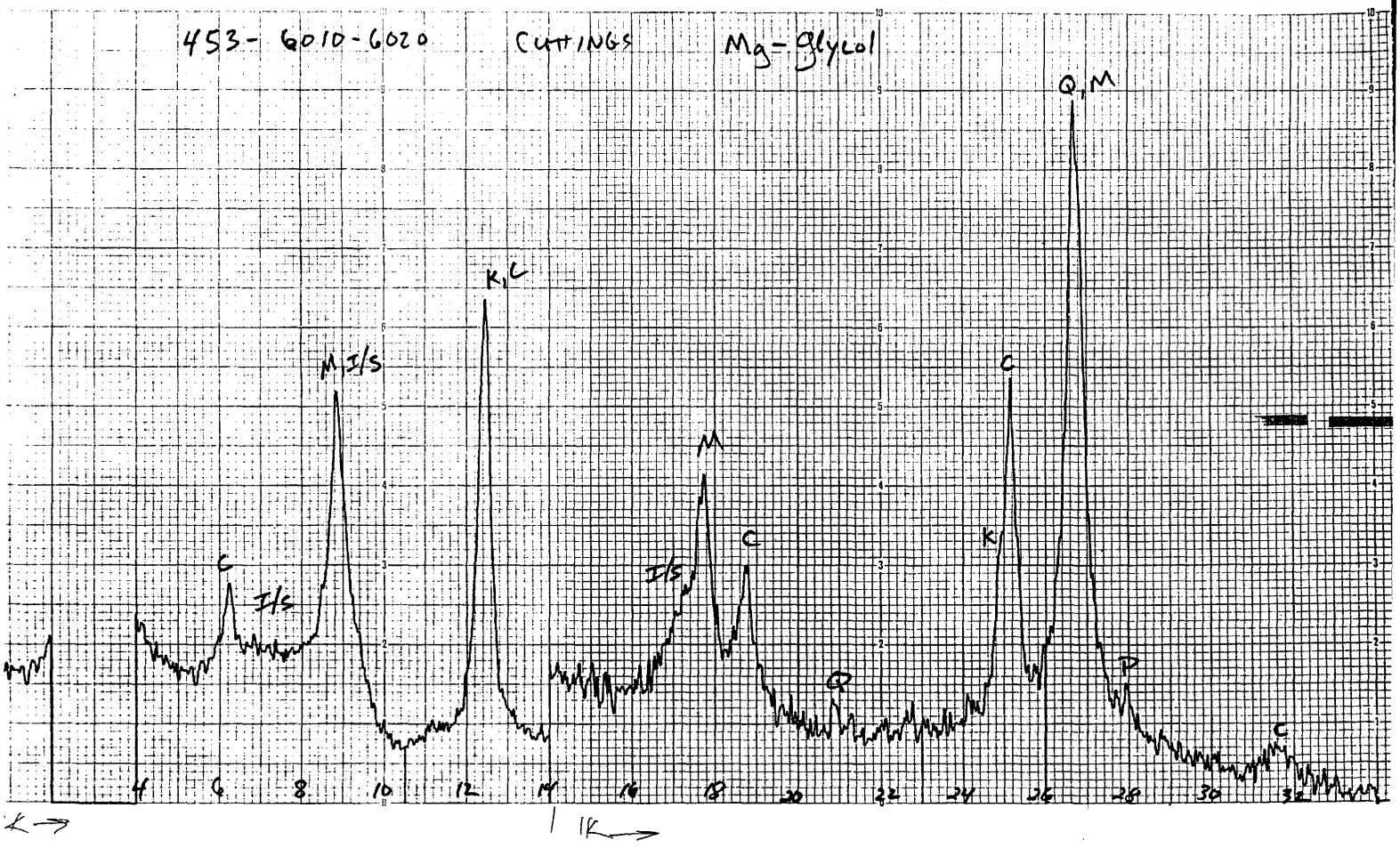
453- 3990-4020 CUTTINGS Mg-glycol

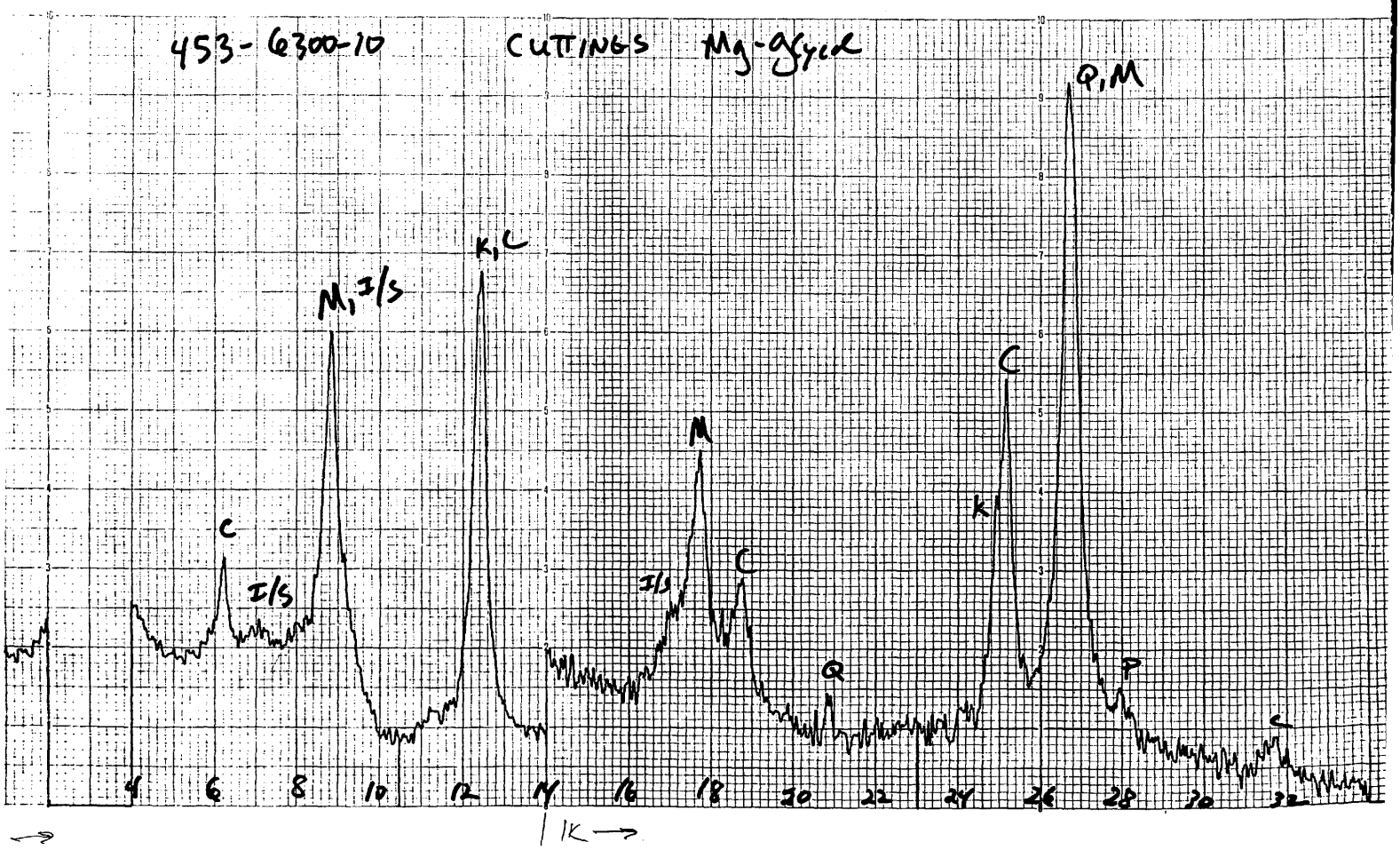


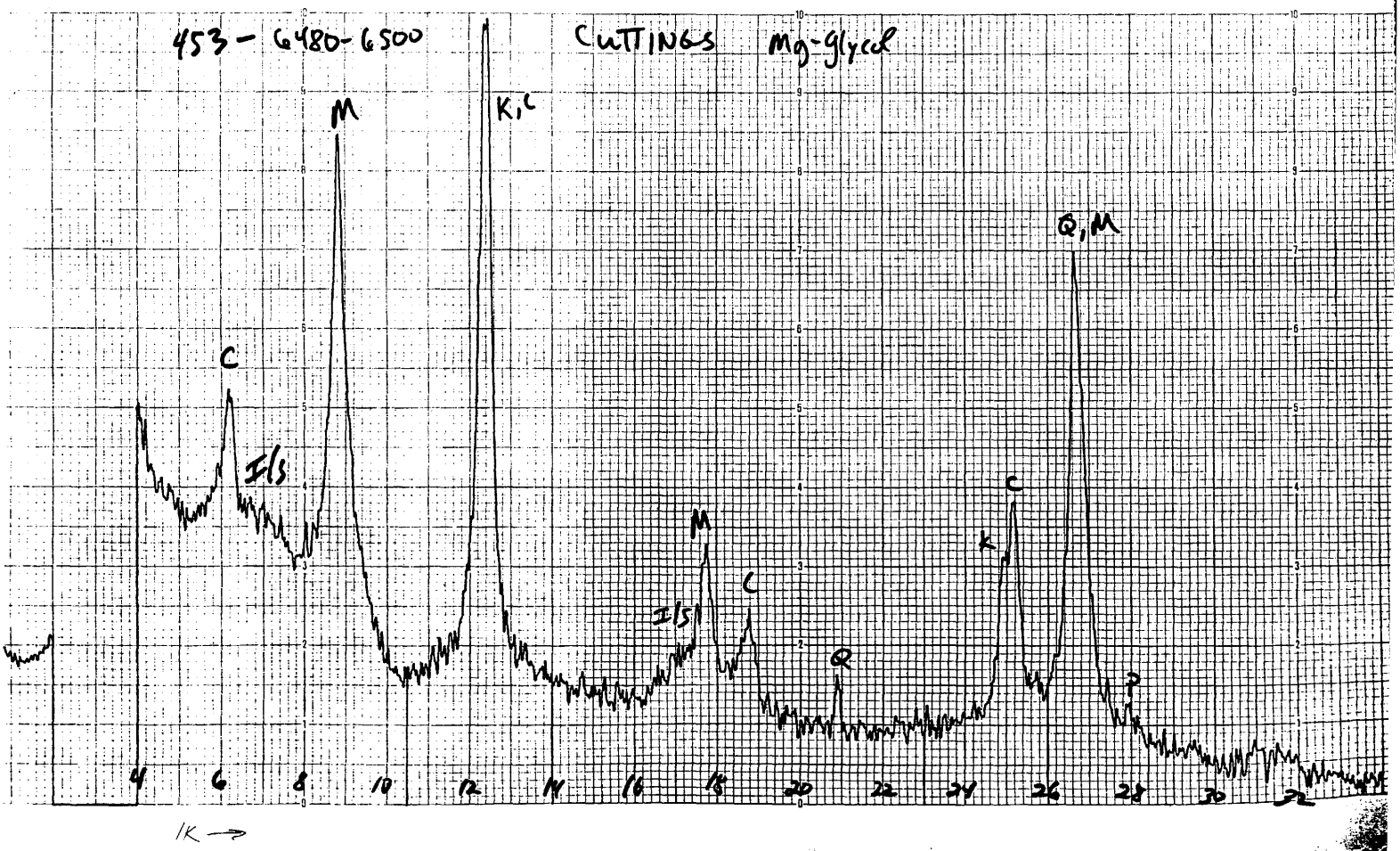

453-5120
Mg-glycol
C
M
C
M
C
Q
C
Q,M
P
C
Sls
Sls
?
K
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


453- 5128
Mg-glycol
M, I/S
C
C
I/S
M
I/S
C
Q
C
Q, M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1 1K →

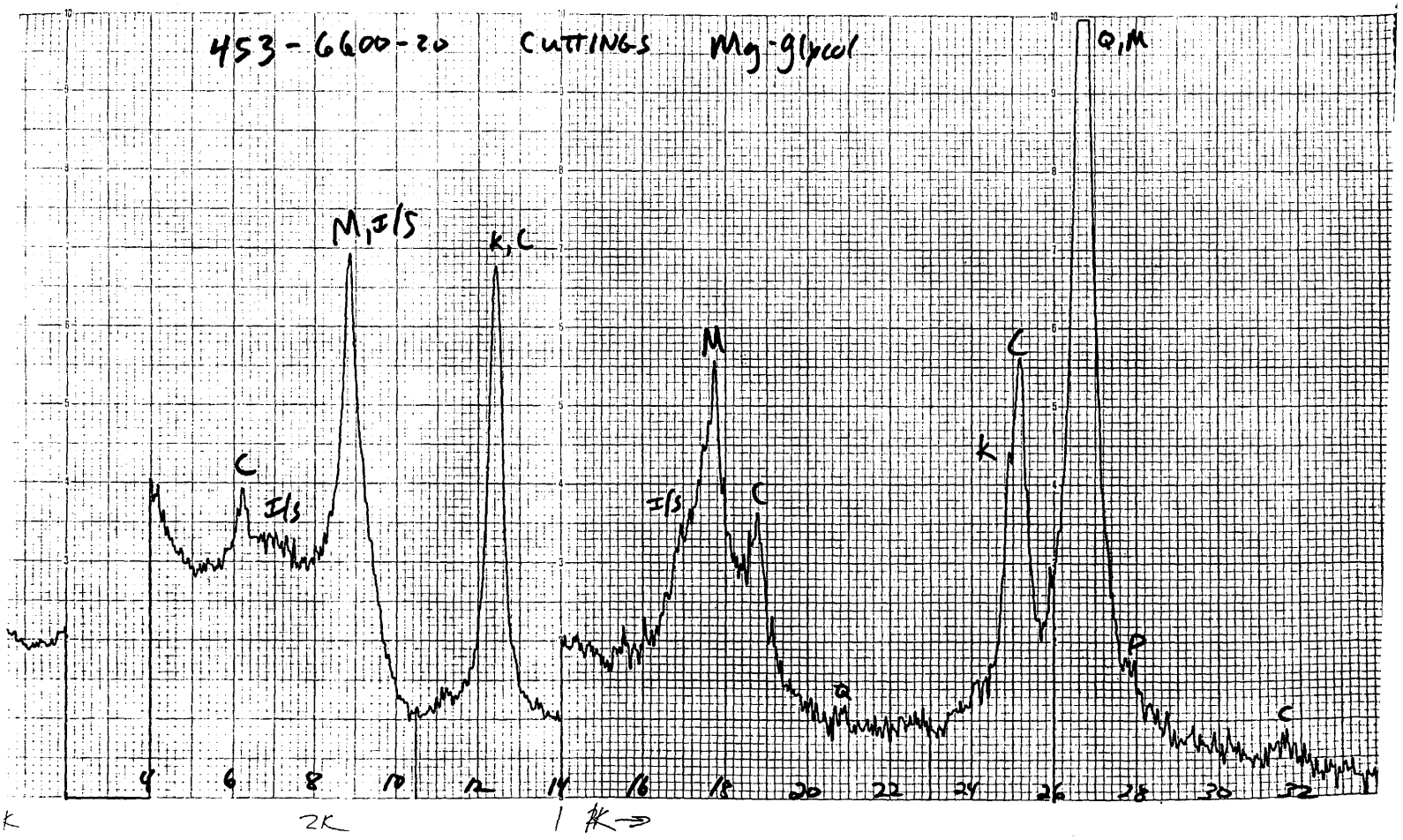

453- 5820-5835
Cuttings
Mg-glycol
Q,M
K,C
M,I/S
C
I/S
M
C
I/S
Q
K
C
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1 K→


453- 6010-6020
CUTTINGS
Mg-glycol
C
I/S
M, I/S
K, C
I/S
M
C
Q
K
C
Q, M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K →
1K →

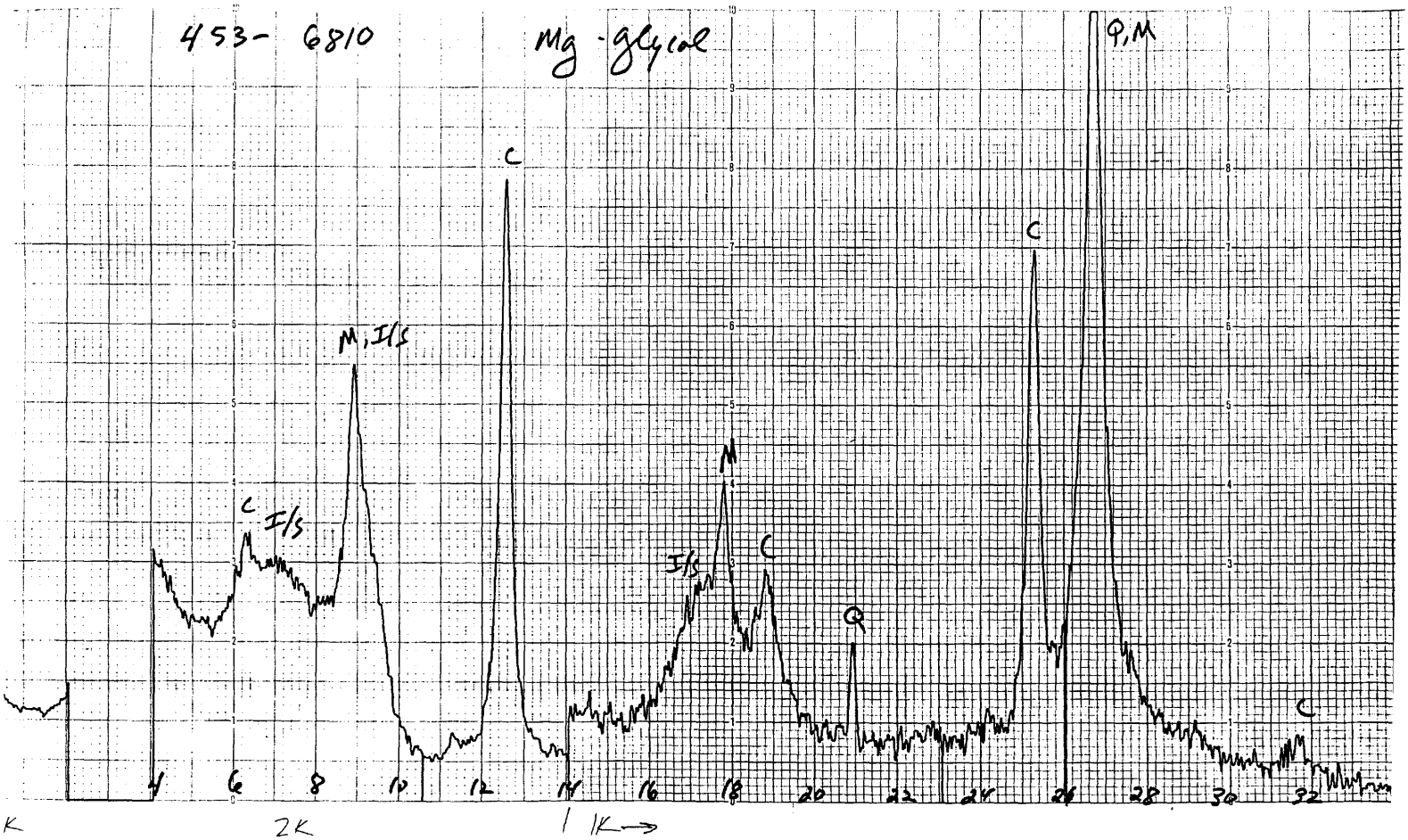

453-6300-10
CUTTINGS Mg-glycol
Q,M
K,C
M,I/S
C
M
C
C
I/S
I/S
K
Q
P
S
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K



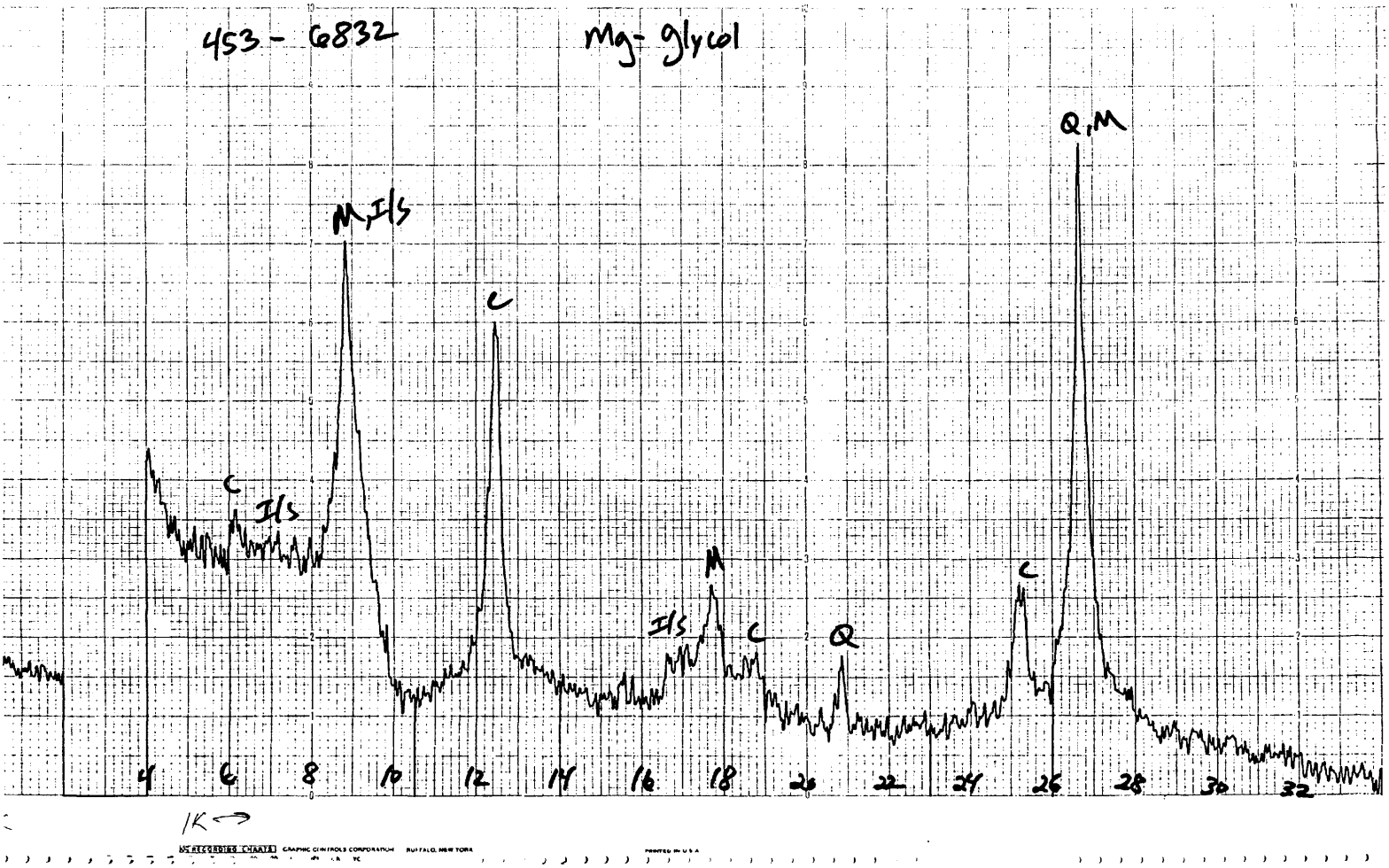
No. GC 25314 WEATHERHILL GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

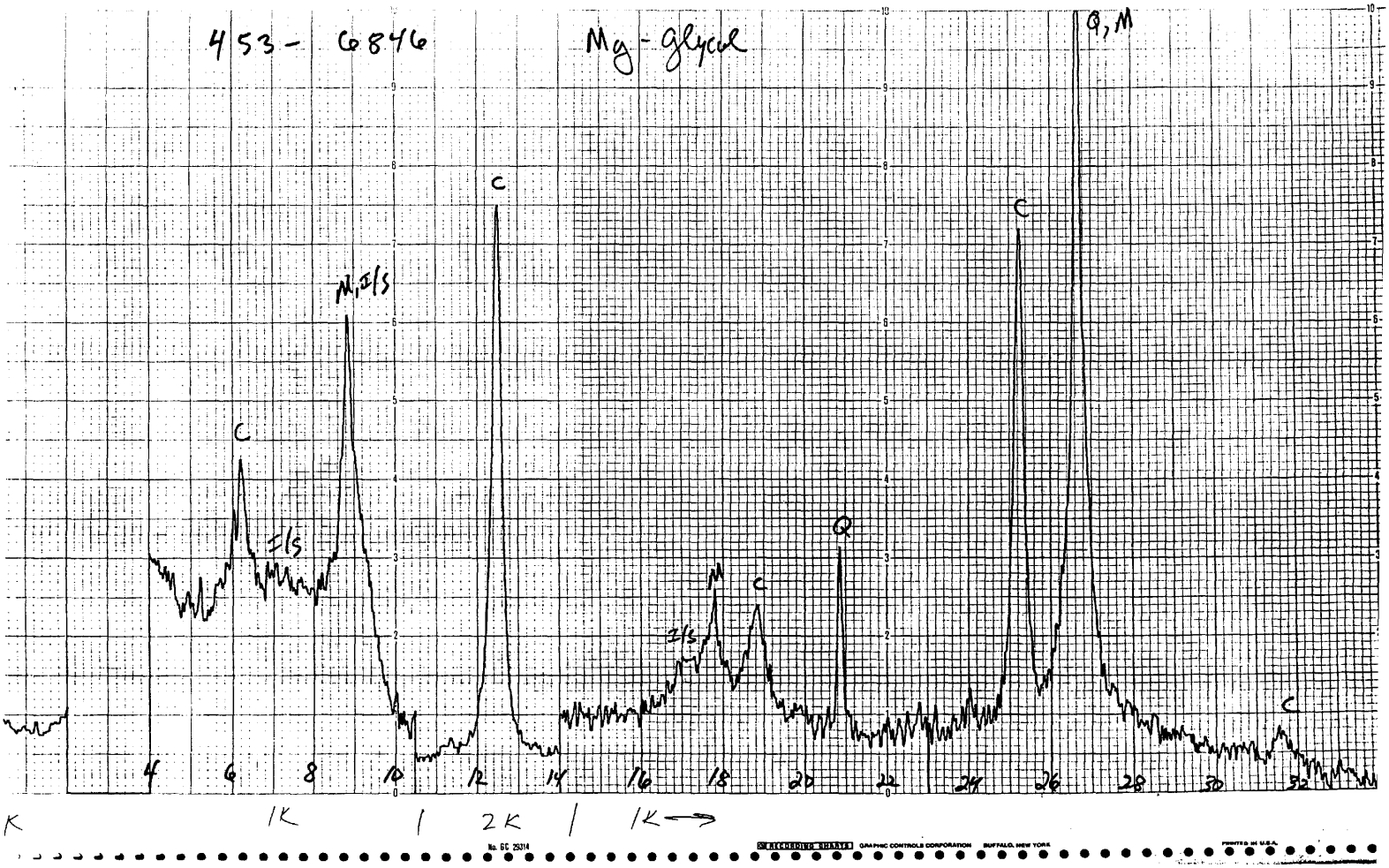


No. FC 75374 HEWLETT-PACKARD GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

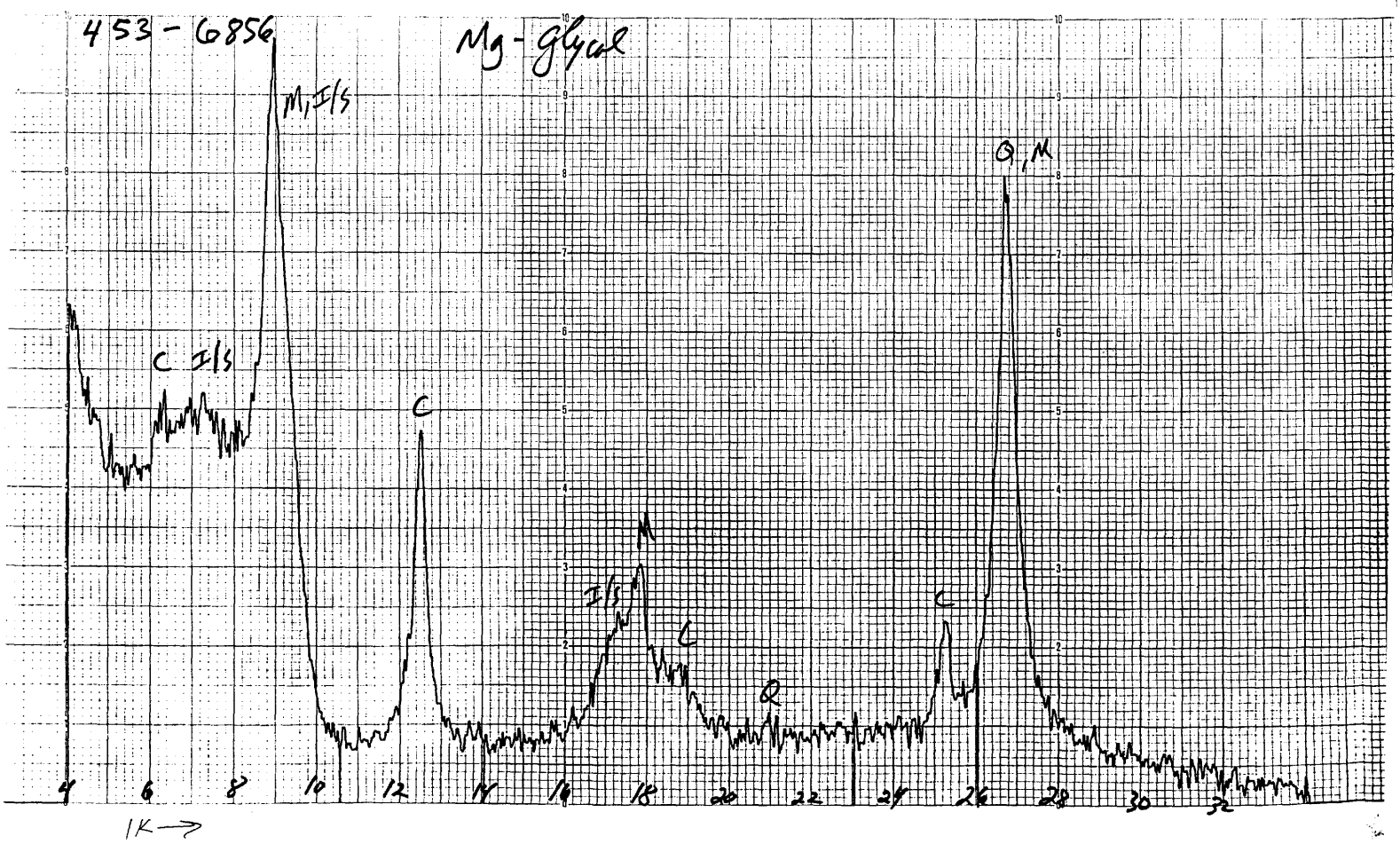


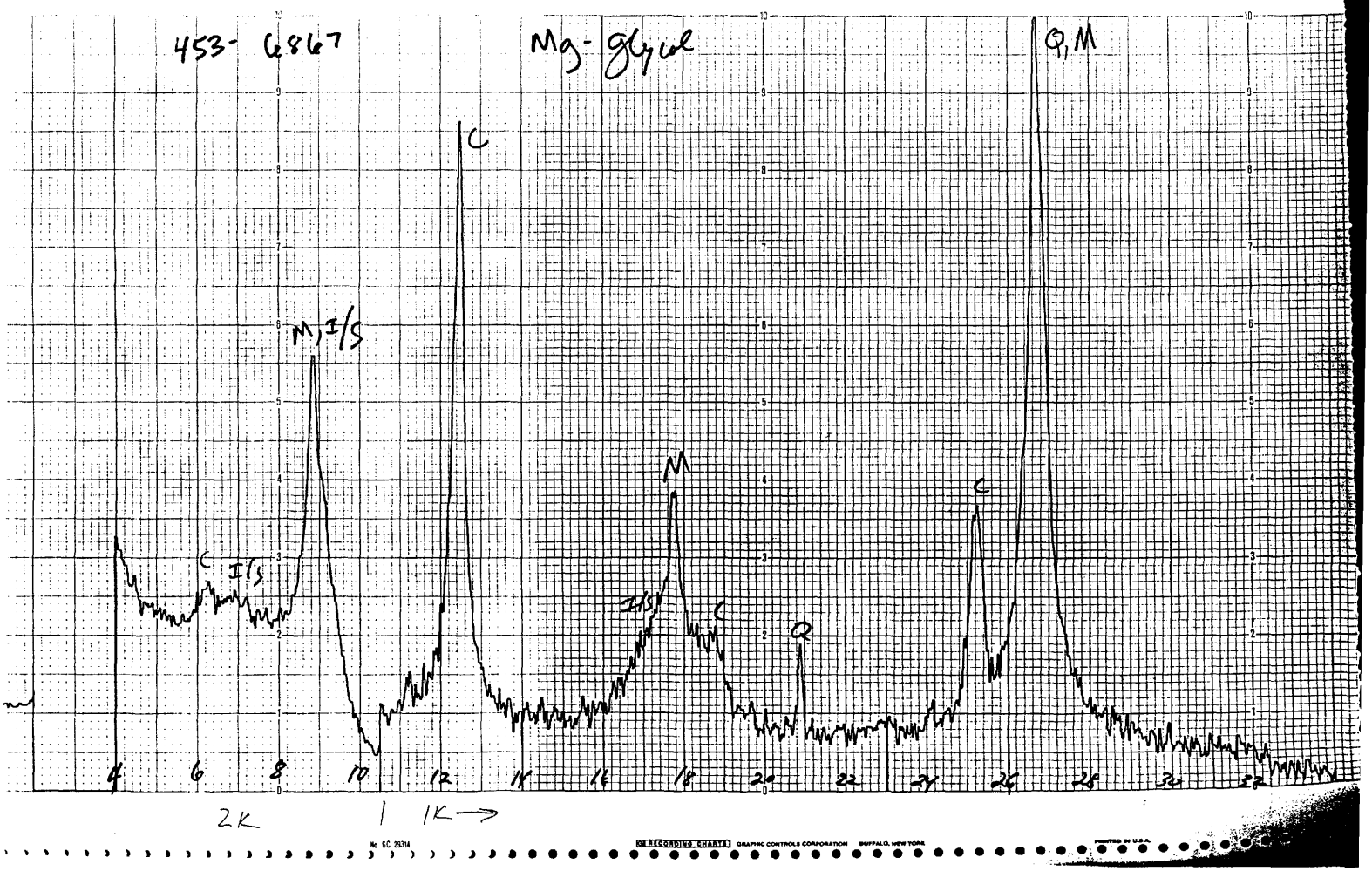
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK PRINTED IN U.S.A. No. GC 15314

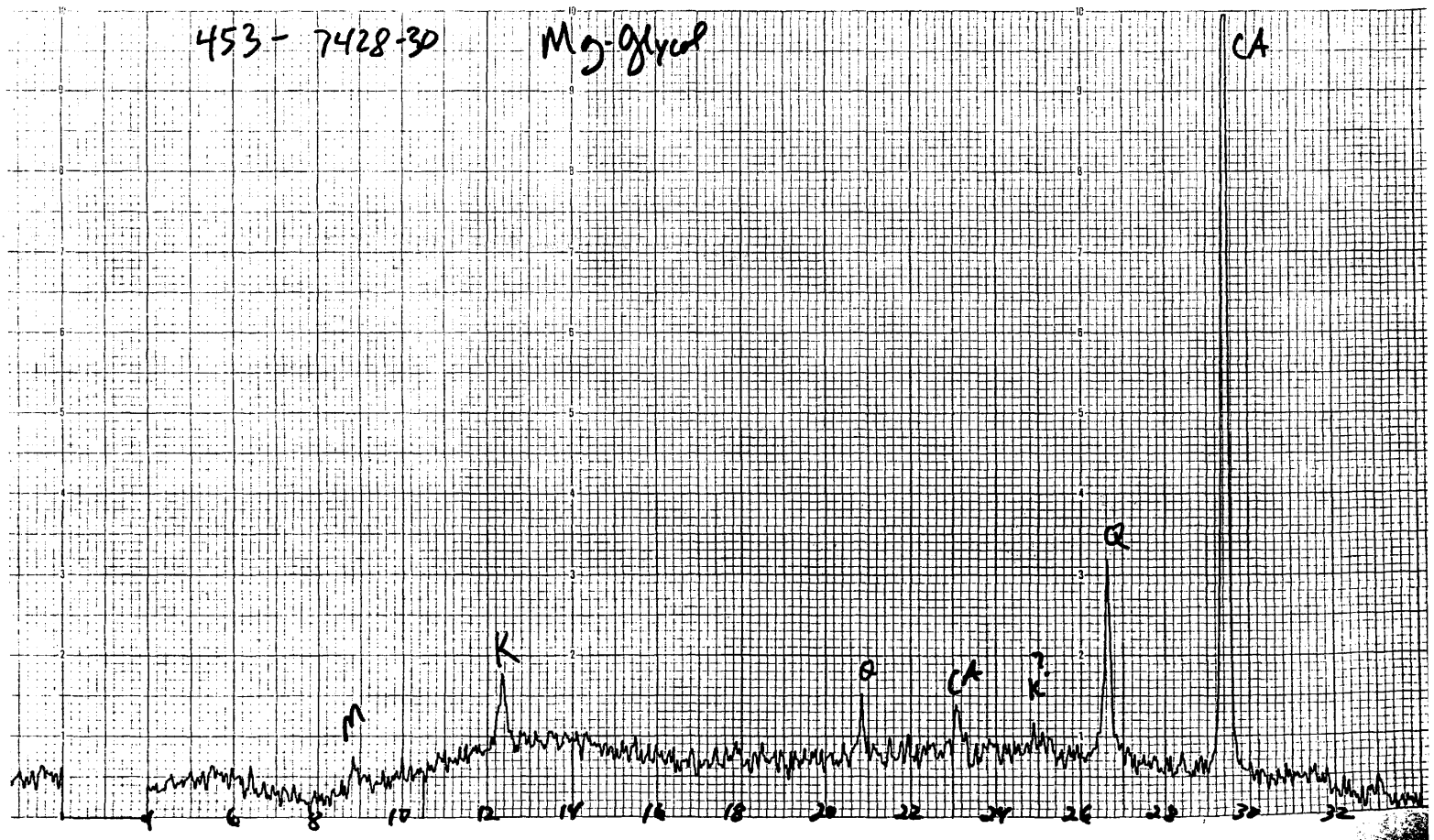

453 - 6832
Mg- glycol
M, Is
C
C
Is
Is
M
C
Q
C
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K



No. GC 25314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.


453 - 6856
Mg - glycol
M, I/S
C I/S
C
M
I/S
C
Q
C
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →


453- 6867
Mg- glycol
Q, M
C
M, I/S
M
C
I/S
C
I/S
C
Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K →



No. GC 2574 RECORDER CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

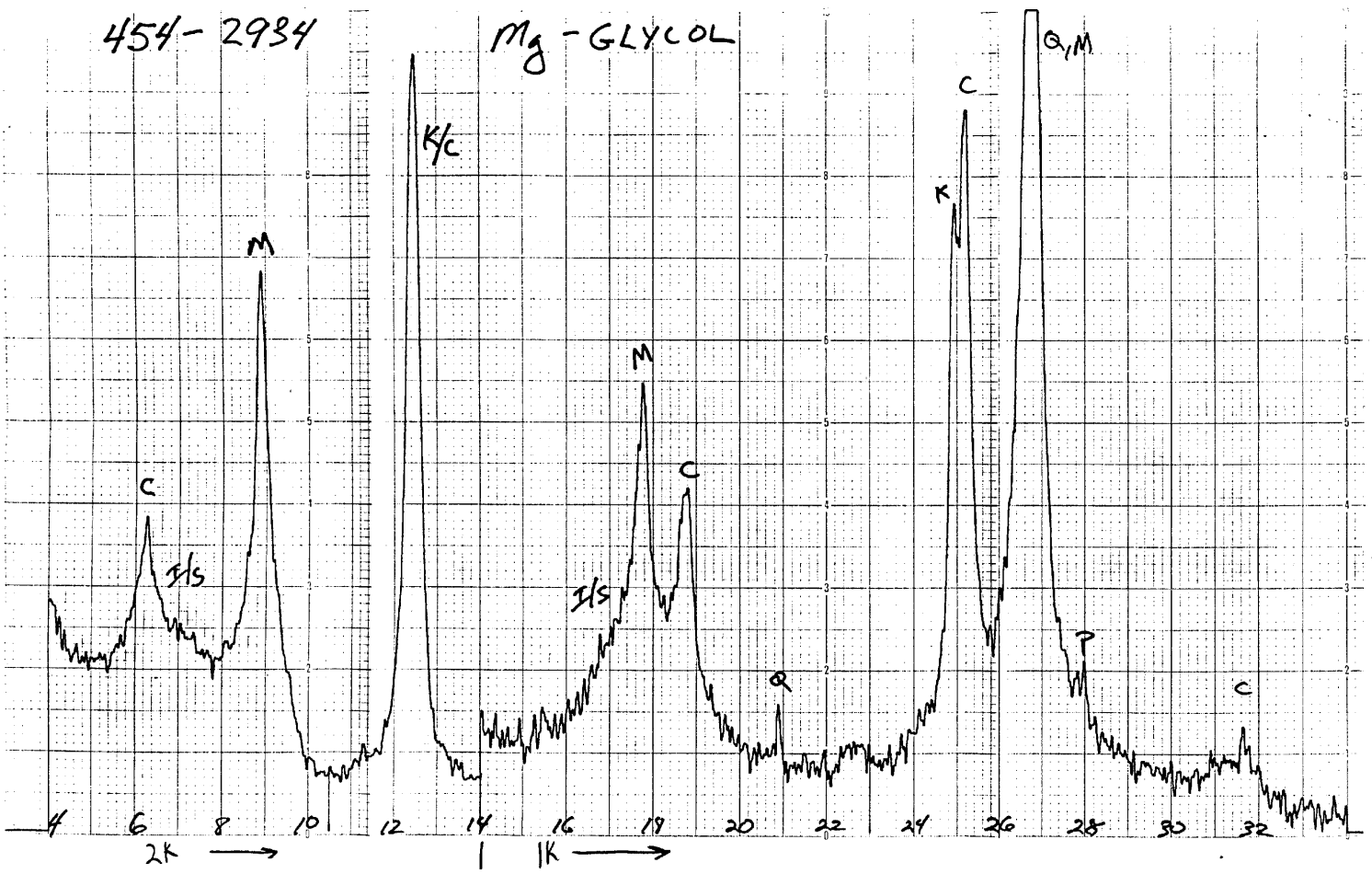
19 P G

IKPIKPUK NO. 1 (ST. NO. 454)

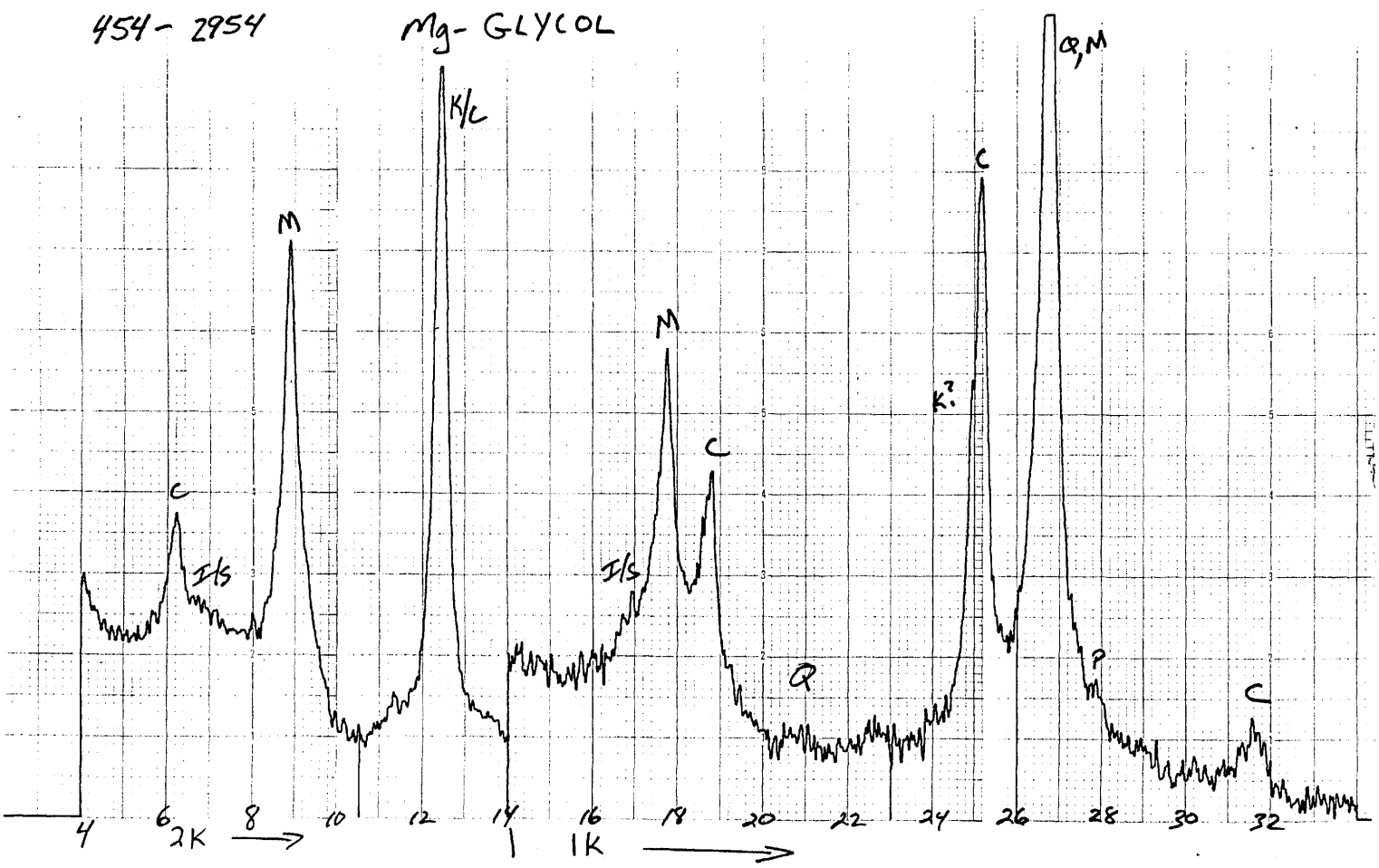
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
2934	-	MOD	MOD	MOD	MOD	Q,P
2954	-	MOD	MOD	MAJ	MOD	Q,P
3784	-	MOD	MOD	MOD	MOD	Q1,P
3800	-	MOD	MOD	MAJ	MIN	Q1,P1
5690	-	MOD	MOD	MAJ	TR?	Q1,P1
5700	-	MOD	MOD	MAJ	TR	Q1,P1
7132	-	MOD	MOD	MAJ	TR	Q1,P1
7137	-	MOD	MOD	MAJ	TR?	Q1,P1
7141-43	-	MOD	MOD	MAJ	TR	Q3,P2
7240-50	-	MOD	MOD	MAJ	MOD	Q1,P,CA
7290-300	-	MOD	MOD	MAJ	TR	Q1,P
7368	-	MOD	MOD	MIN	MAJ	Q1
7370-80	-	MOD	MOD	MOD	MAJ	Q1,P
7377	-	MOD	MOD	MOD	MOD	Q1
7491	-	MOD	MOD	MOD	MOD	Q1
7670-80	-	MOD	MOD	MOD	MOD	Q1,P
10271	-	TR	MIN	-	-	Q,CA1,AP2,PY2,D
10293	-	-	MIN	-	MIN	Q,CA3,AP2,PY1
11108	-	MOD	MOD	MOD	MOD	Q1,P

Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, SID = Siderite, AP = Apatite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, DICK = Dickite. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments. 1 = weak, 2 = moderate, 3 = strong xrd peak

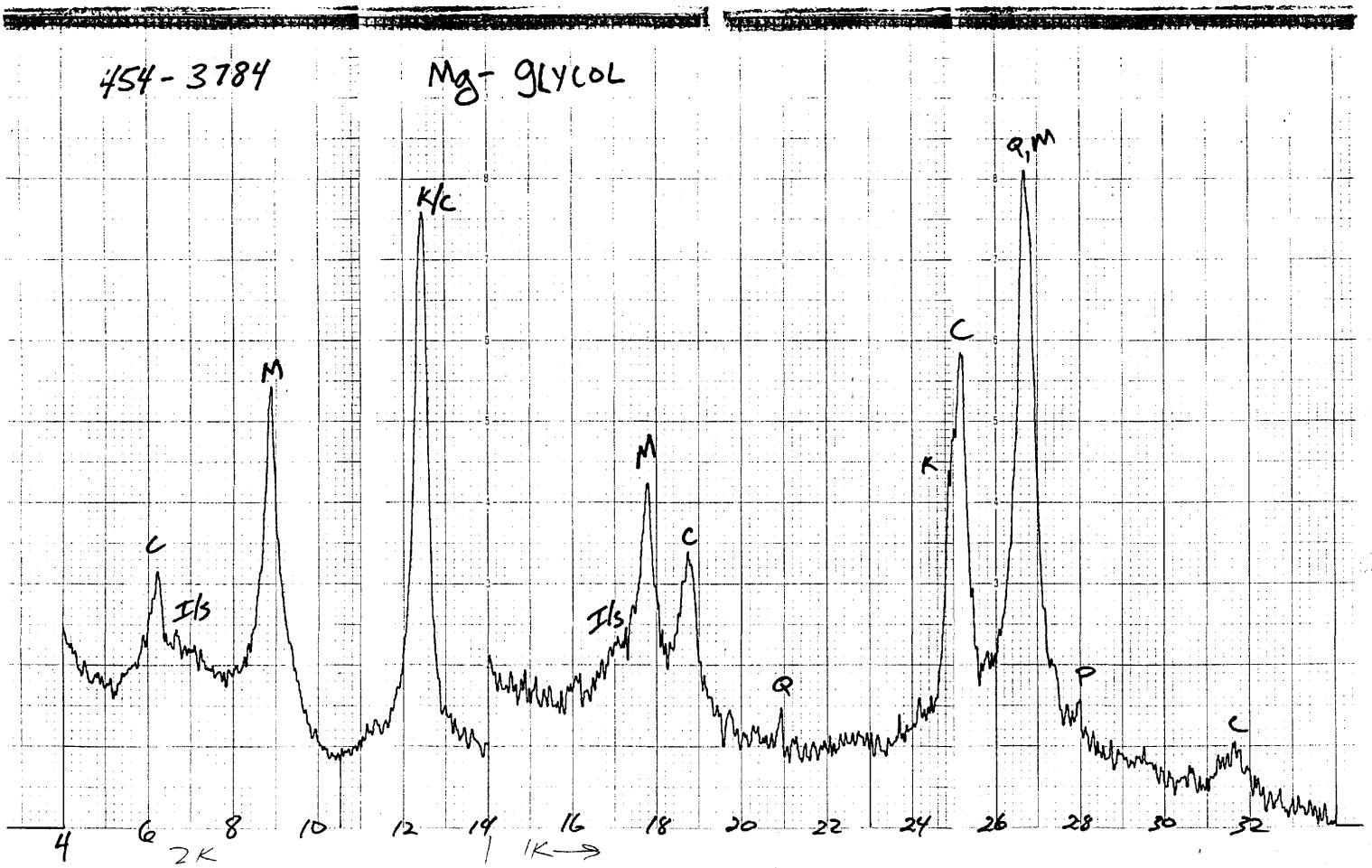
RECEIVED
MAR 1 2 1984
Alaska Oil & Gas Cons. Commission
Anchorage

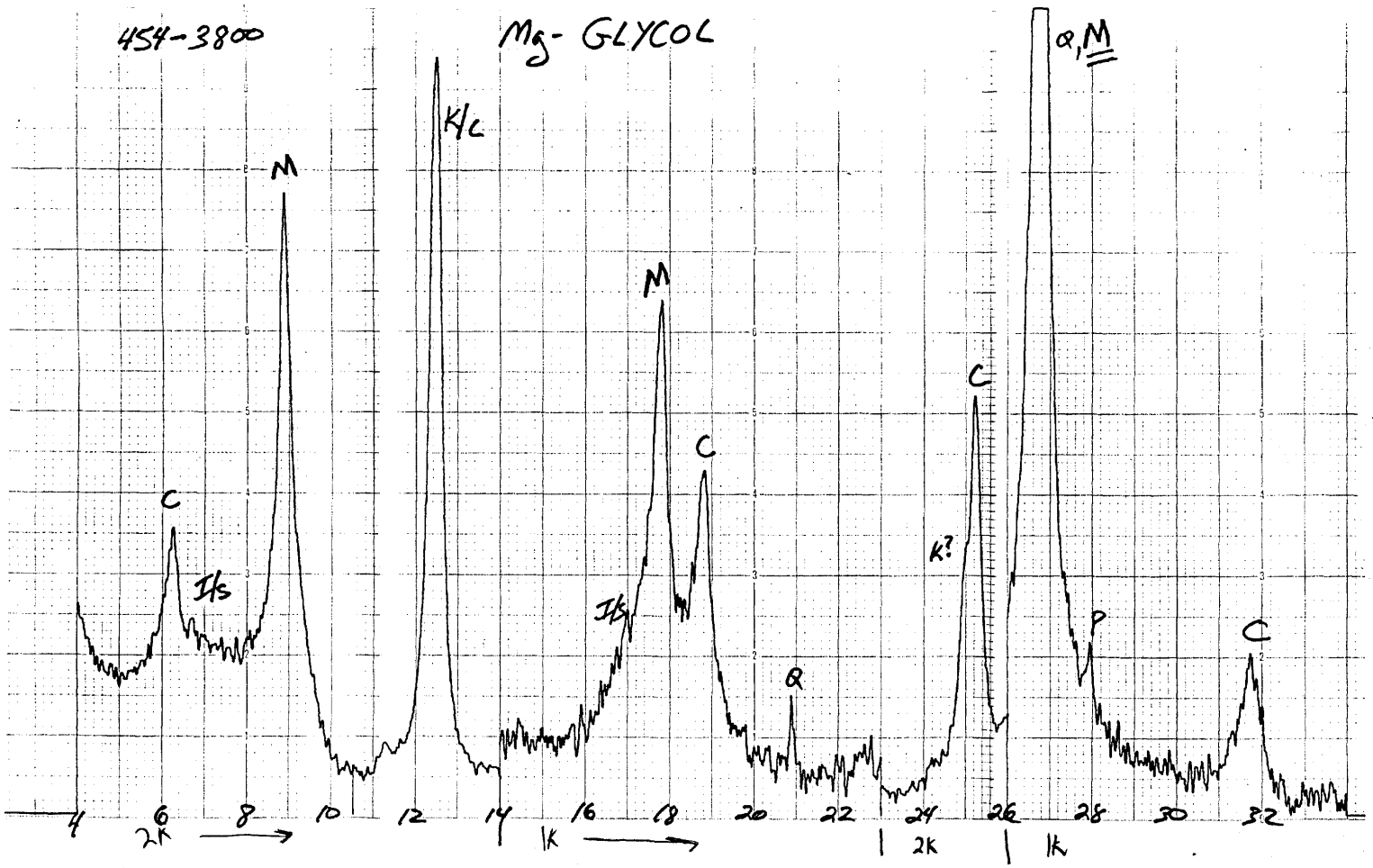


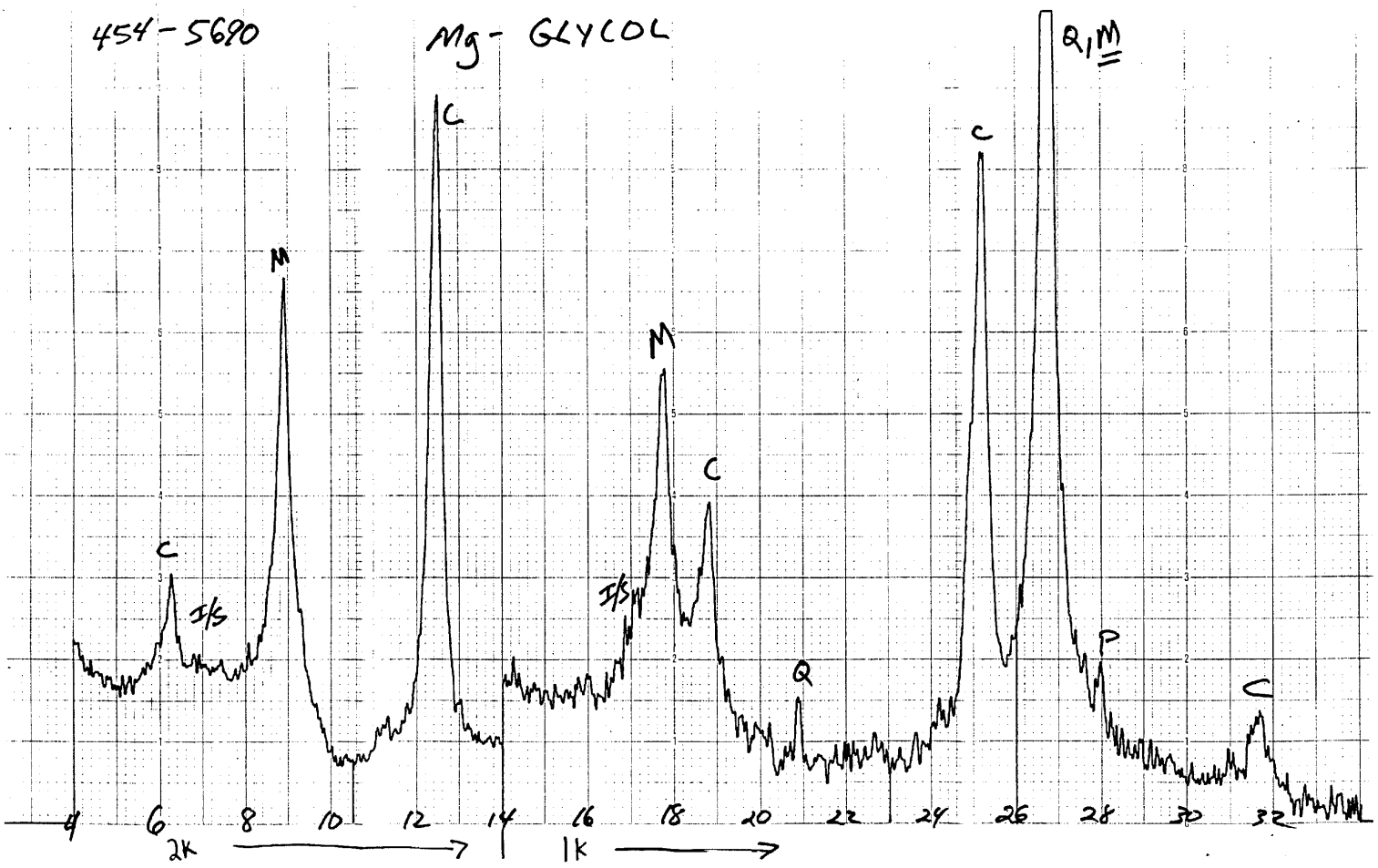
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

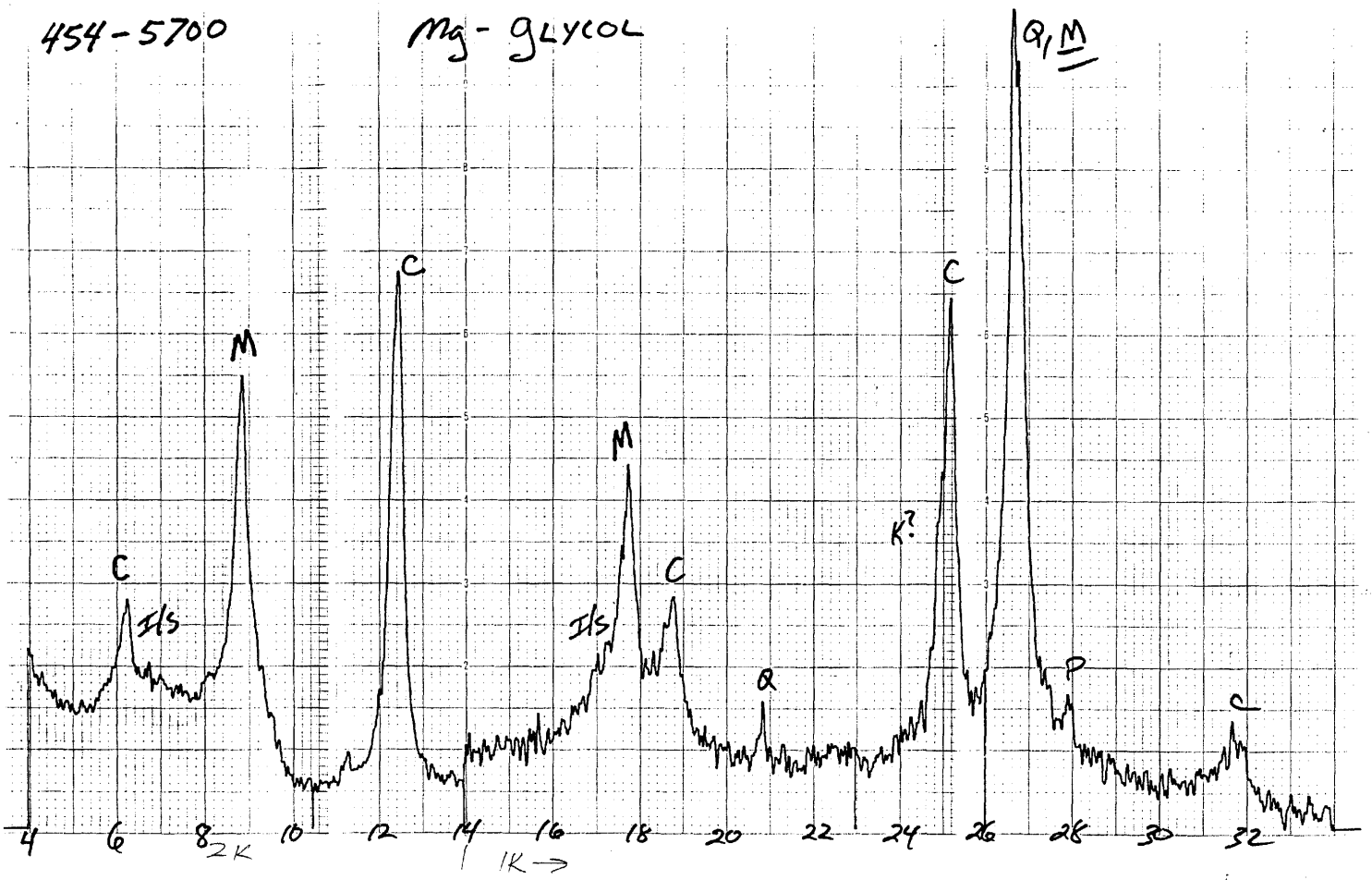


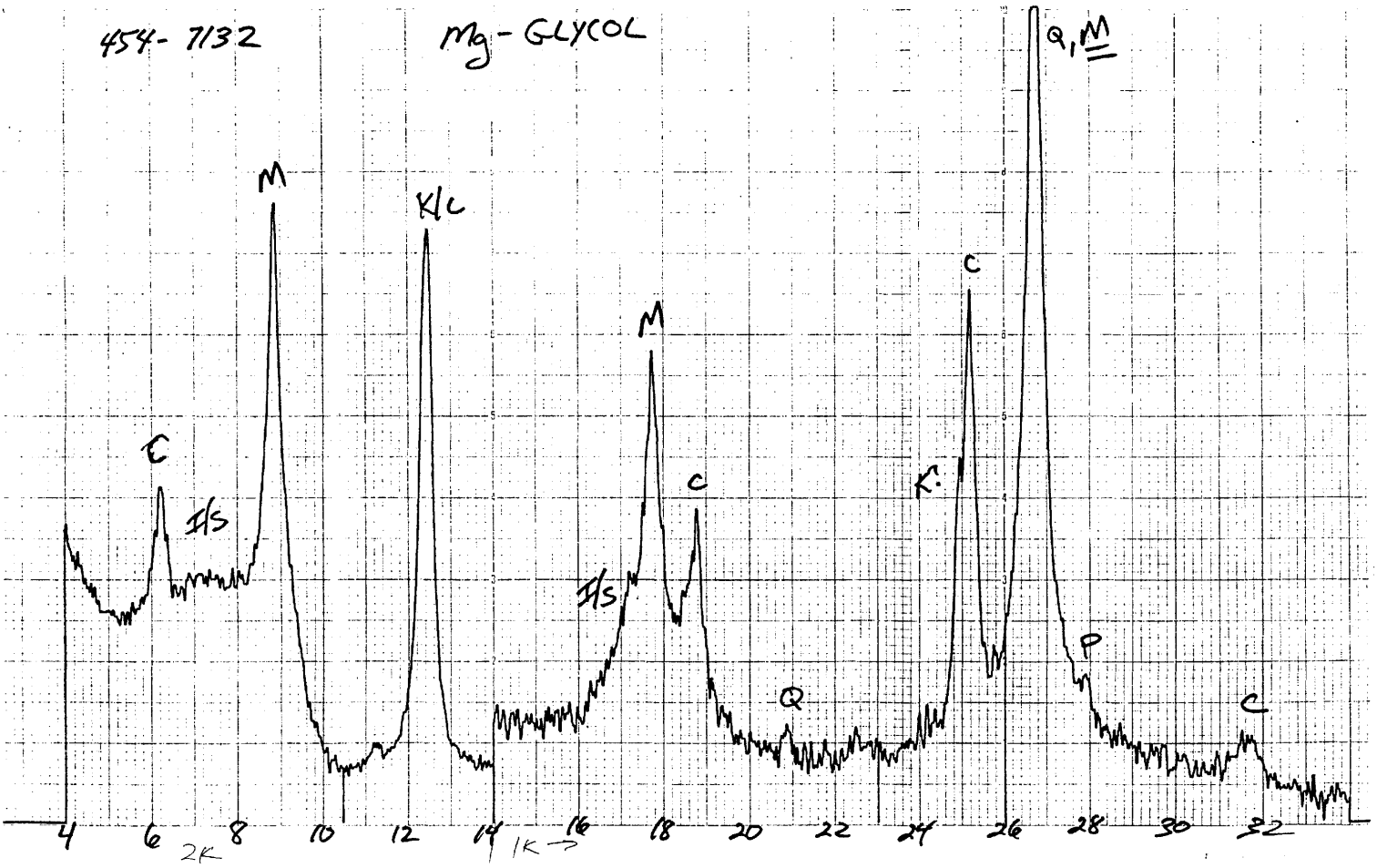
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK PRINTED IN U.S.A.


454-3784
Mg- GLYCOL
C
I/s
M
K/C
I/s
M
C
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

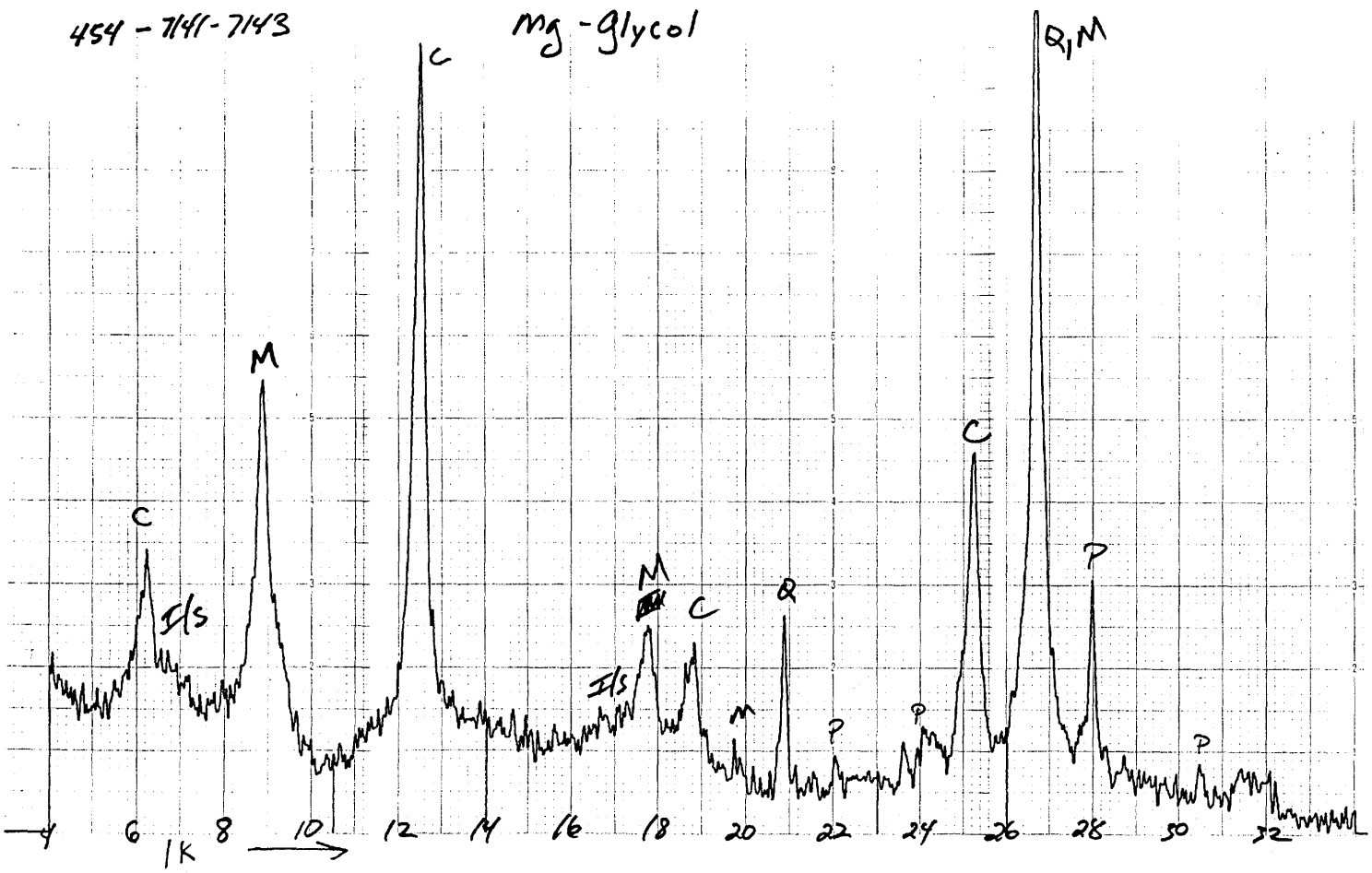

454-3800
Mg- GLYCOL
C
I/s
M
K/C
M
I/s
C
Q
K?
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K
2K
1K


454-5690
Mg- GLYCOL
C
I/S
M
C
I/S
M
C
Q
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

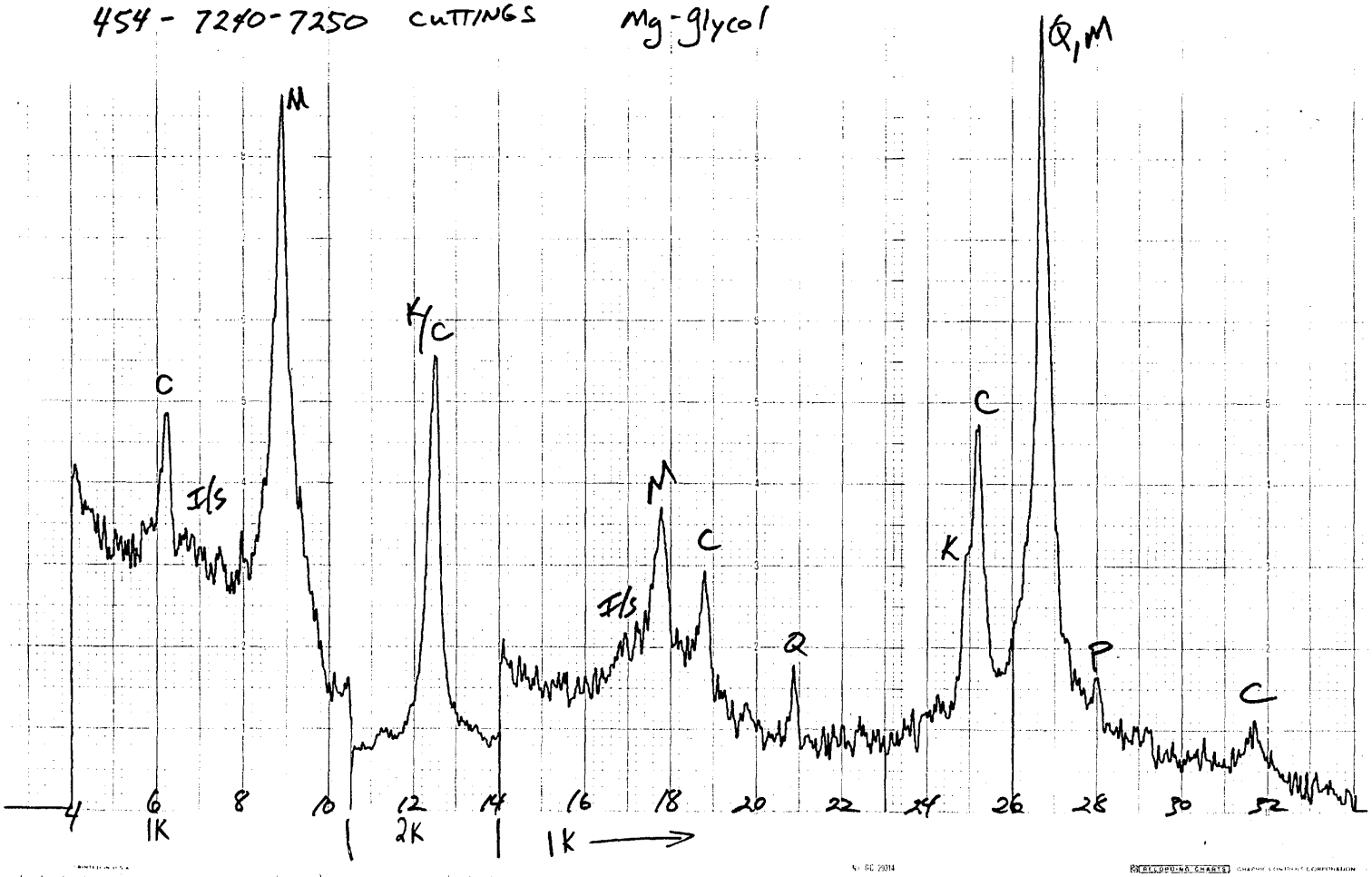

454-5700
Mg-glycol
Q, M
C
M
C
I/S
M
C
I/S
Q
K?
C
P
C
4
6
8
2K
10
12
14
16
18
20
22
24
26
28
30
32
1K →

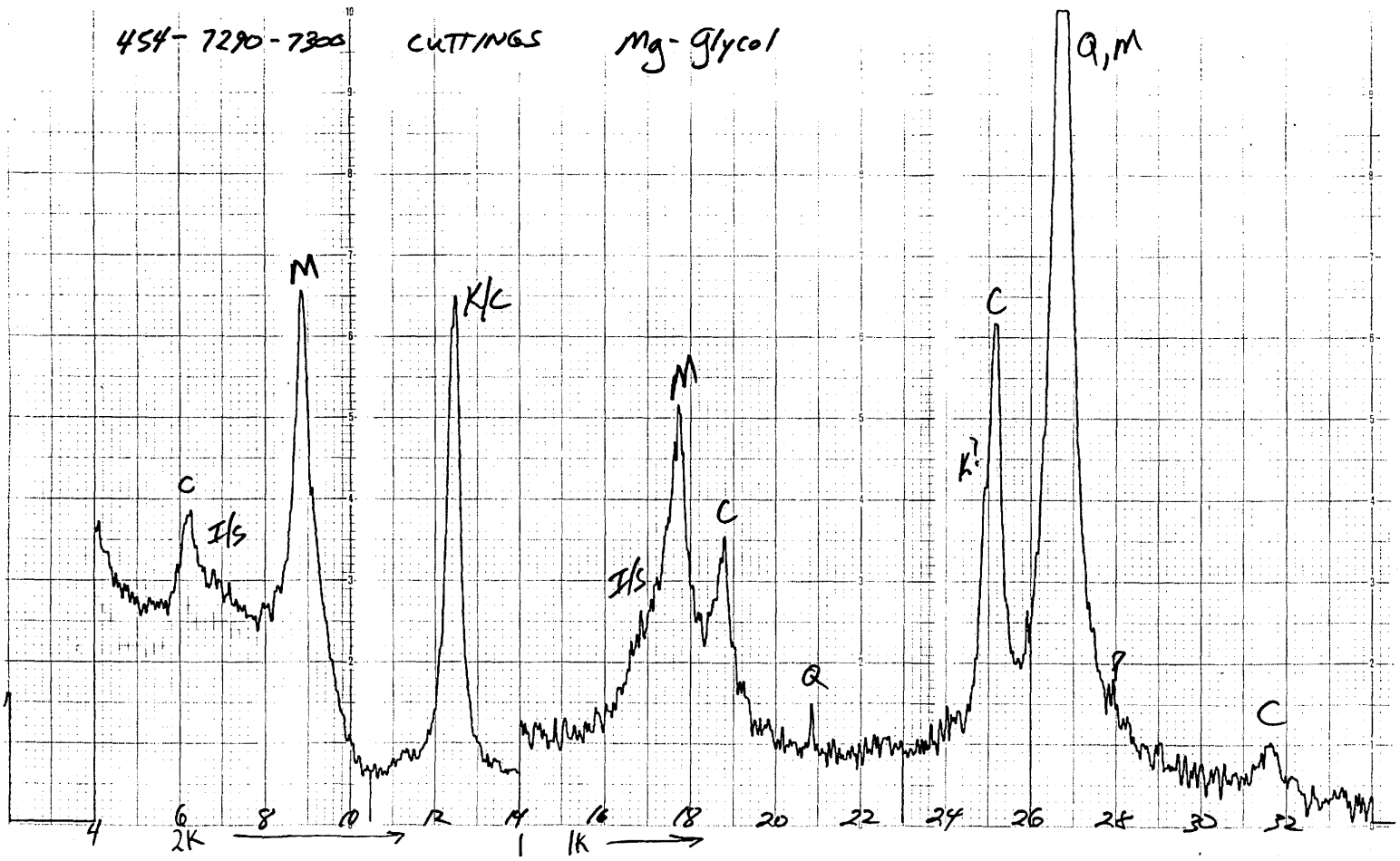


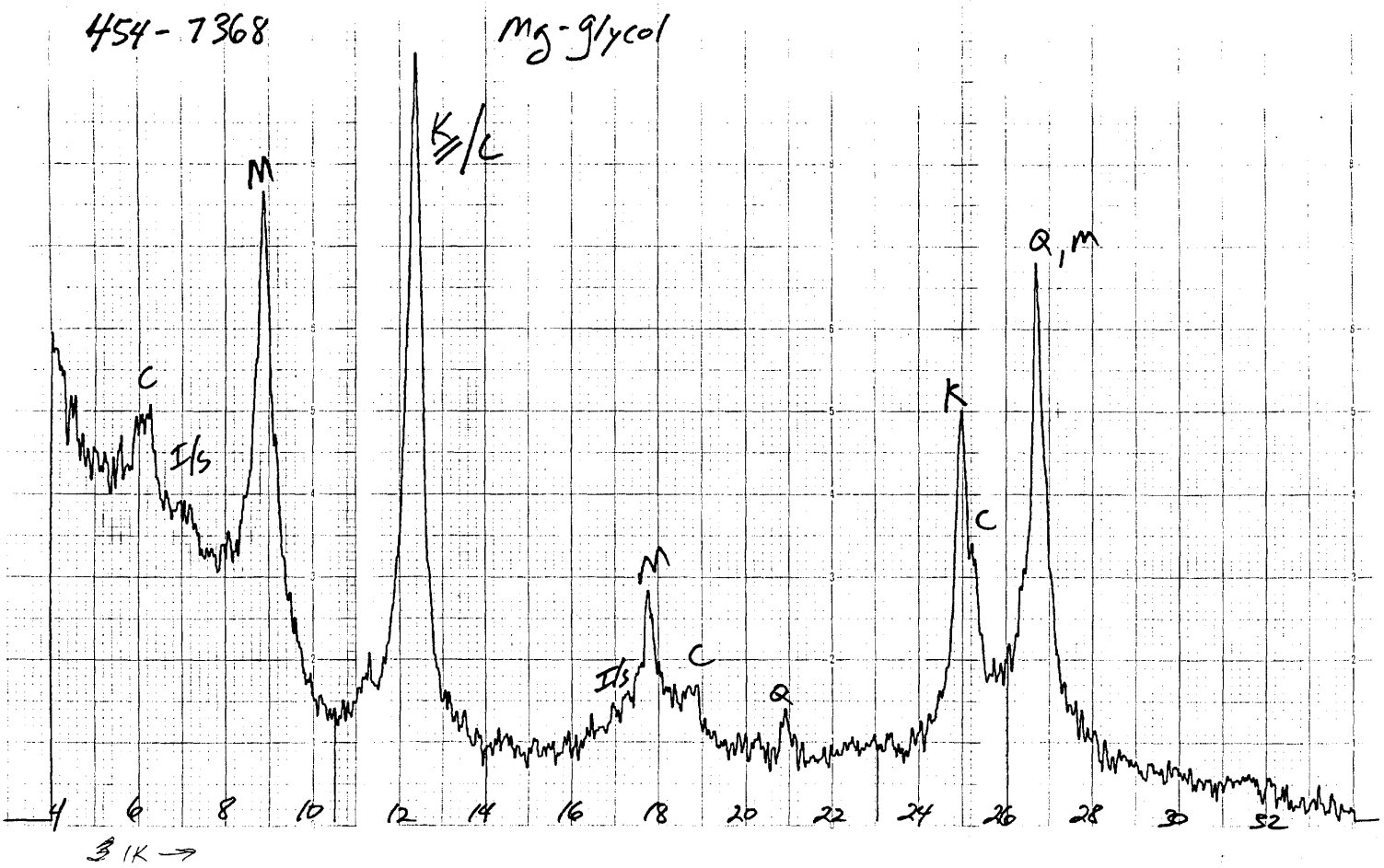
No. SC 2534 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK


454 - 7141 - 7143
Mg - glycol
C
Q, M
M
C
C
I/s
M
C
Q
I/s
M
P
P
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K

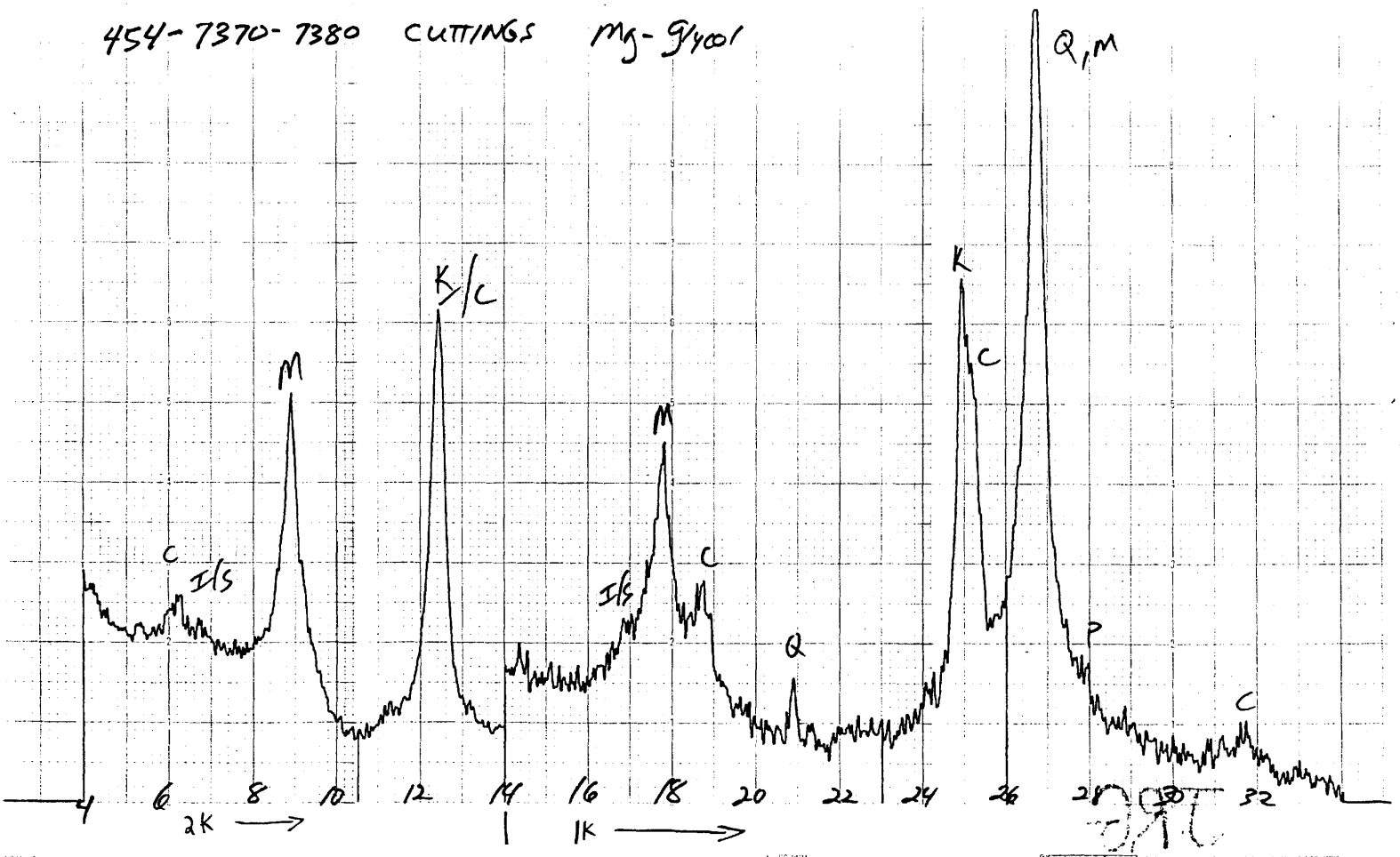
454 - 7240-7250 CUTTINGS Mg-glycol

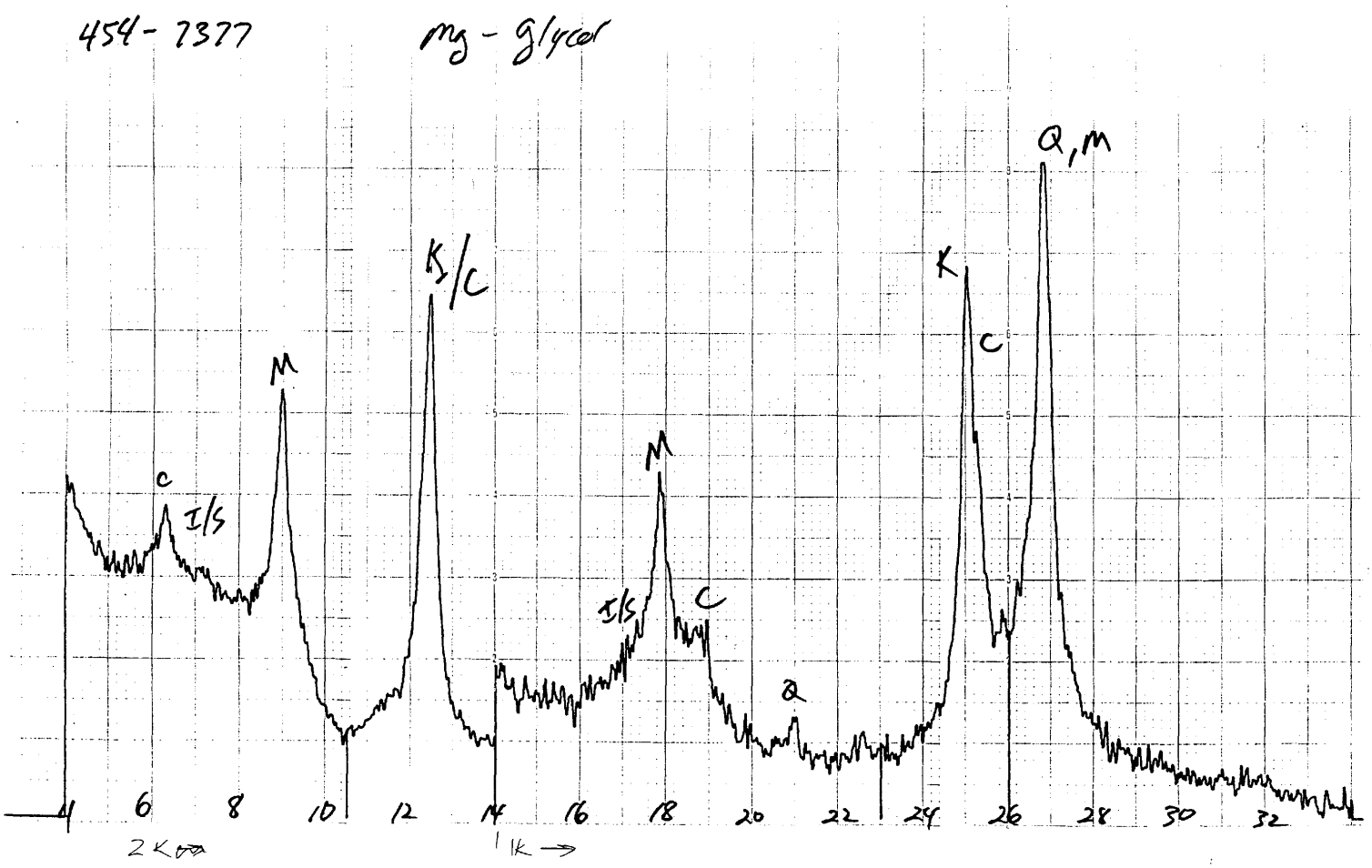


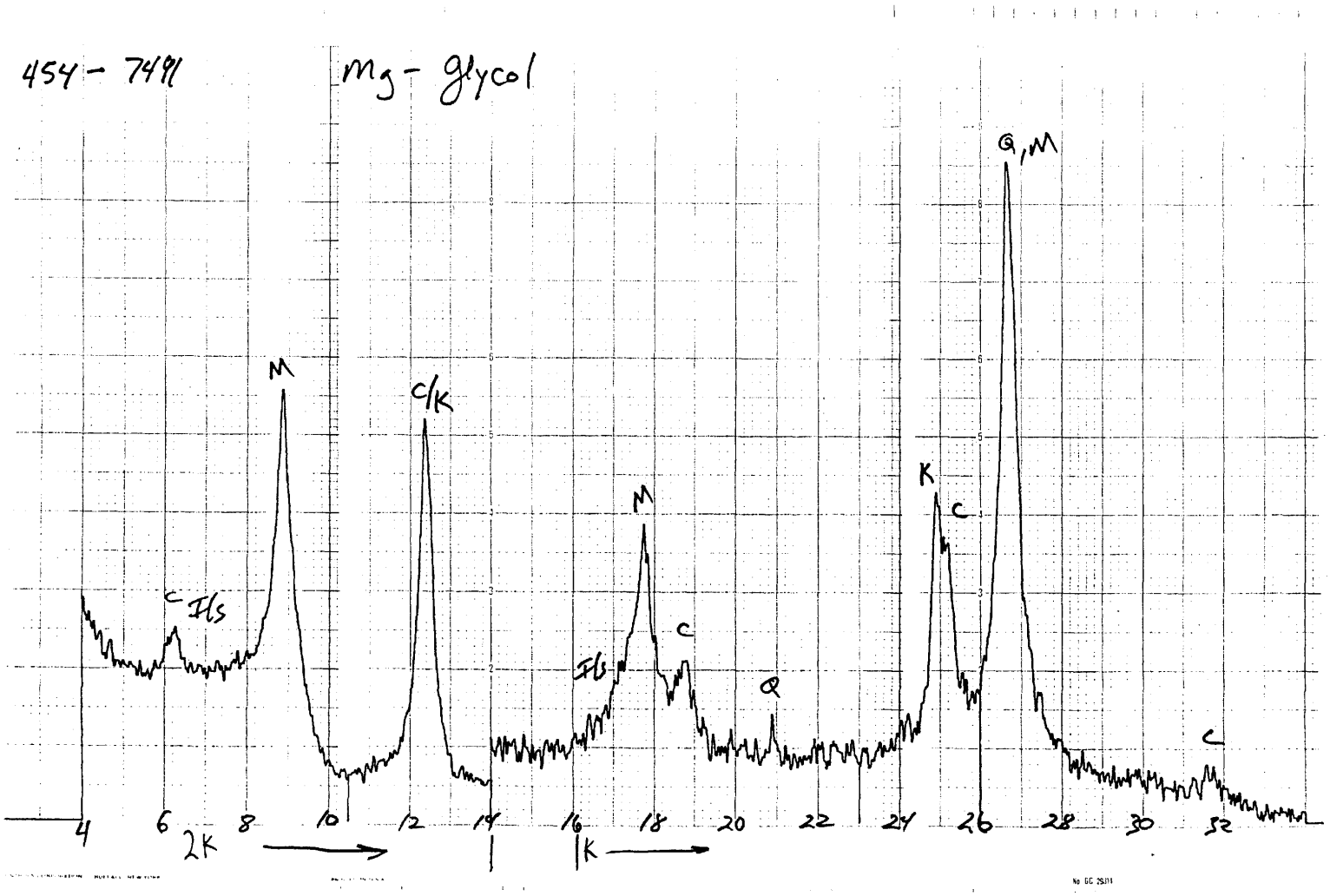

454- 7290-7300 CUTTINGS Mg-Glycol
Q,M
M
K/C
M
C
C
I/S
I/S
K?
Q
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

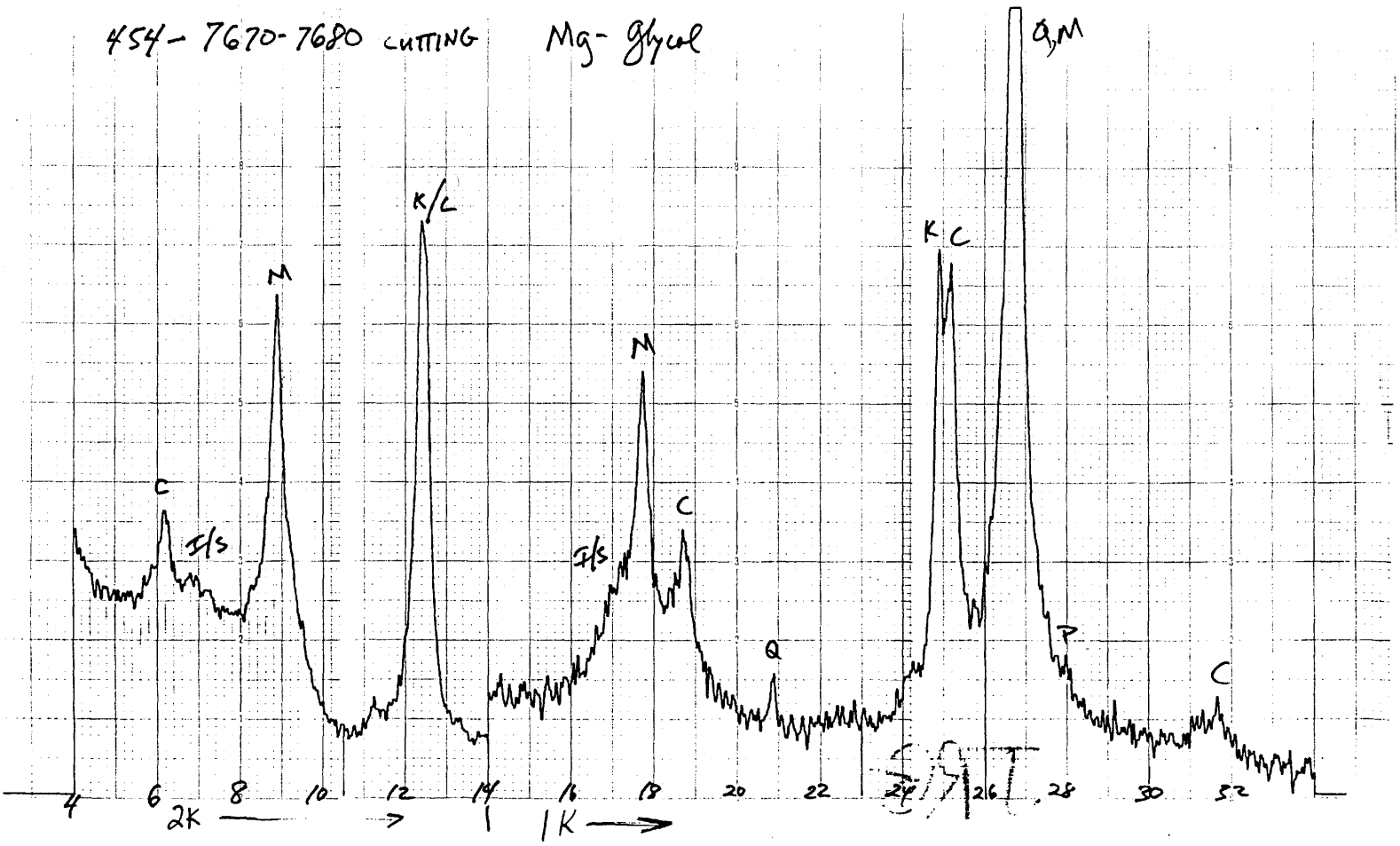


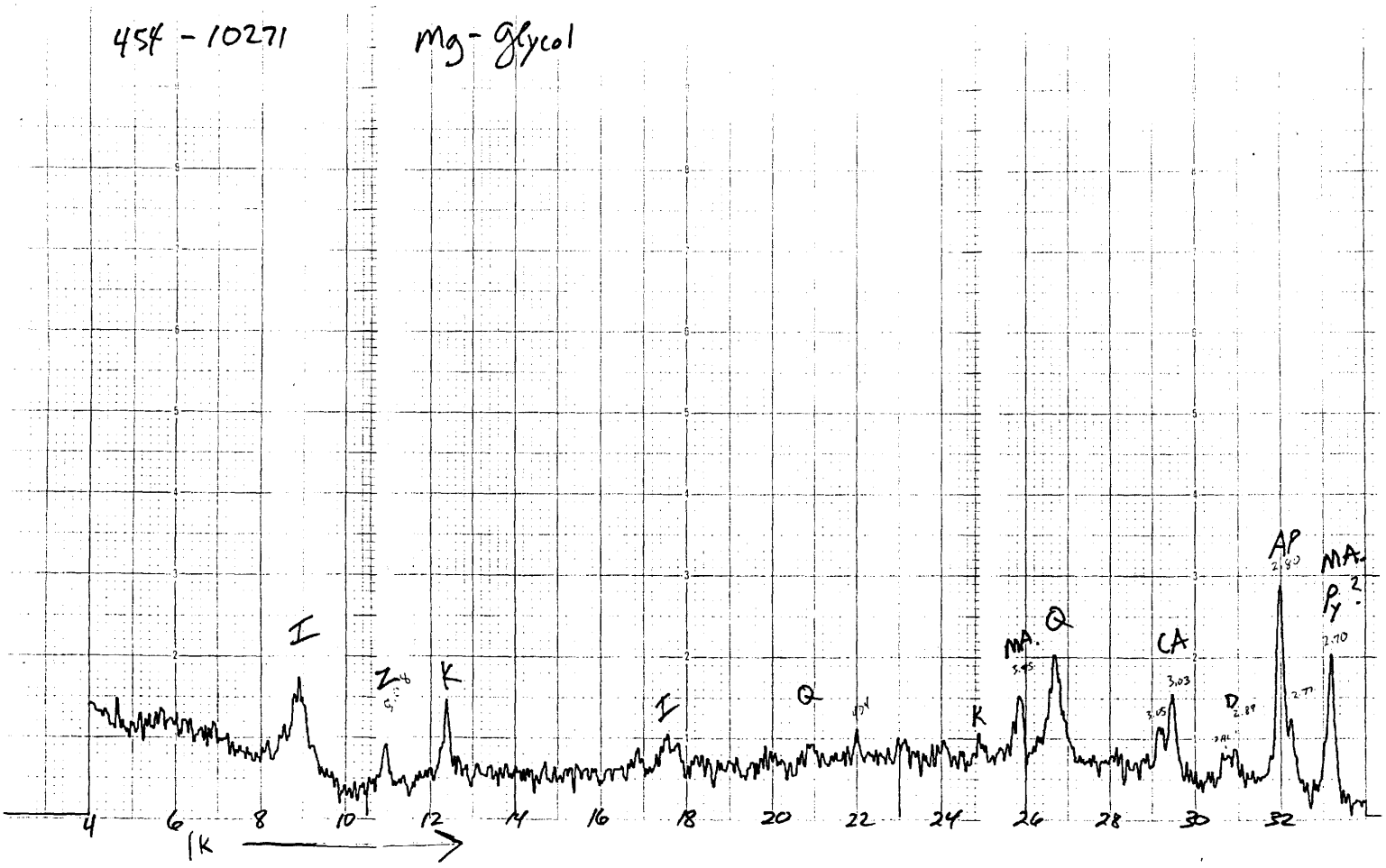
No. GC 2914 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, N.Y.

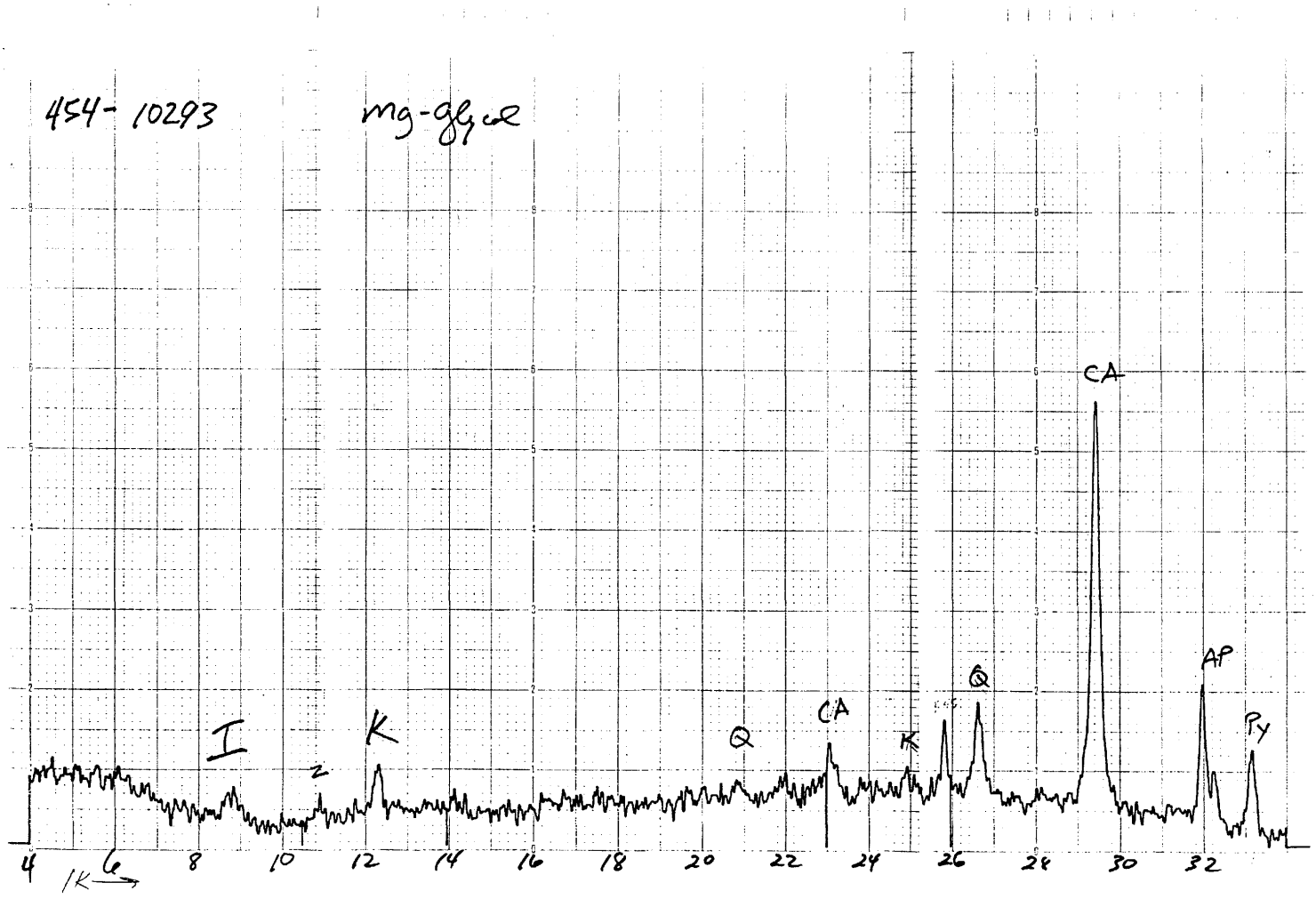

454-7370-7380 CUTTINGS Mg-9/4001
Q,M
K/C
M
K
C
M
C
C
I/S
I/S
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

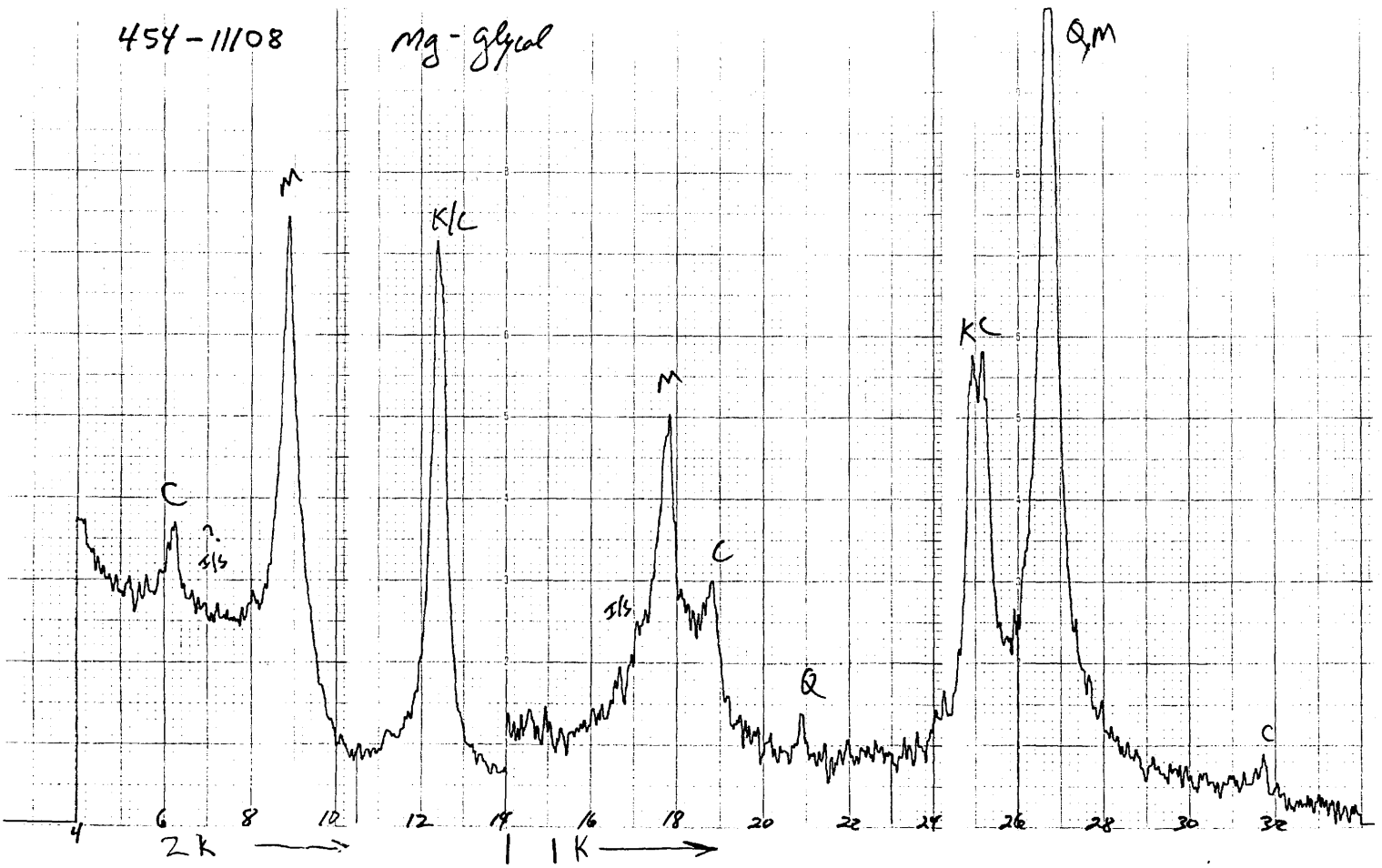

454-7377
mg-glycol
c
I/S
M
K/C
M
I/S
C
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


454 - 7491
Mg - glycol
M
C/K
M
K
C
Q,M
C
Ils
Ils
C
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
K


454- 7670-7680 CUTTING
Mg- Glycol
C
I/S
M
K/C
I/S
M
C
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


454 - 10271
Mg - glycol
I
Z
K
I
Q
K
MA.
Q
CA
D
AP
MA.
Py ?
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K


454-10293
mg-glycol
I
K
Q
CA
K
Q
CA
AP
Py
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K



No GC 29314
SY RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK
PRINTED IN U.S.A.

24p

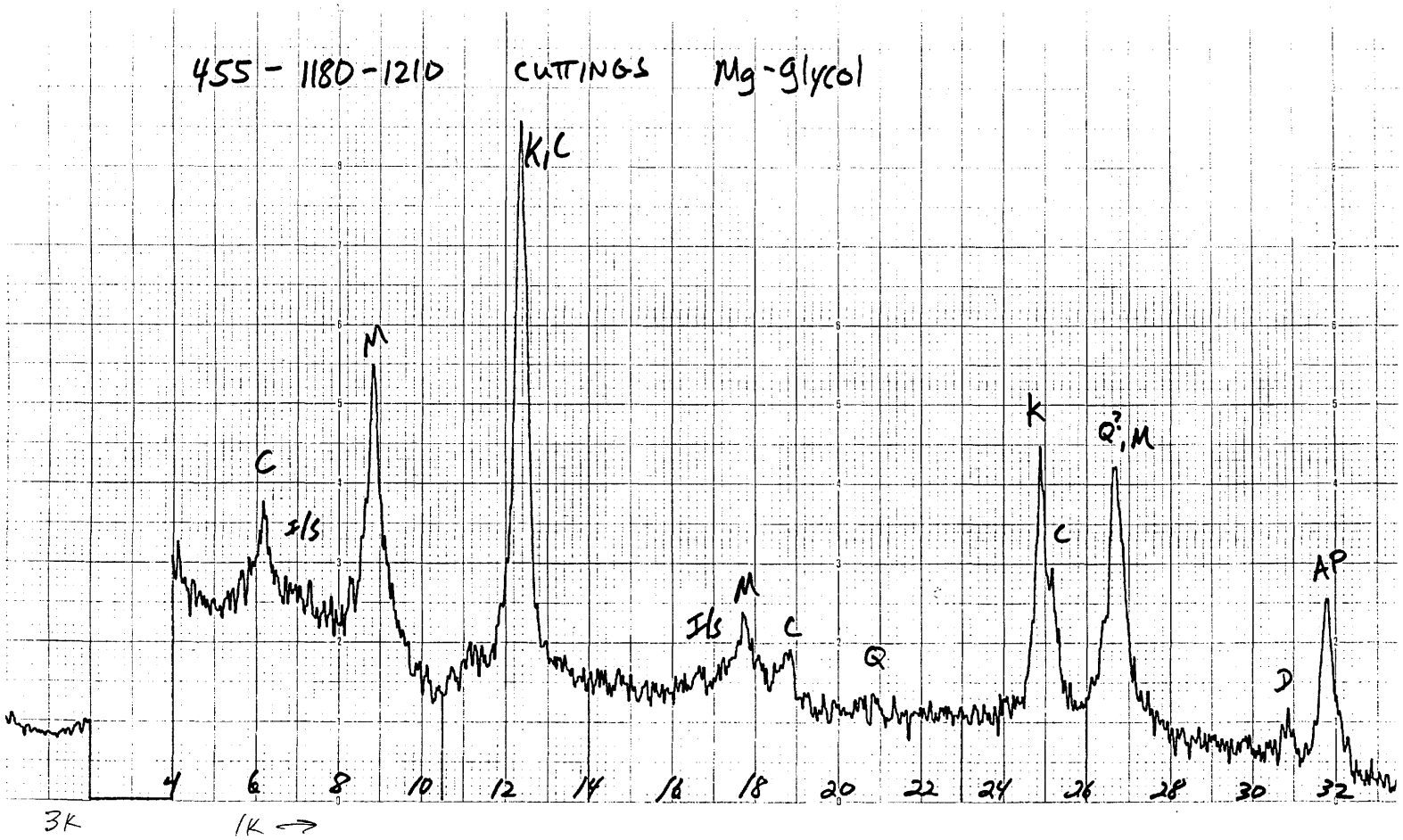
H

KUGRUA NO.1 (ST. NO. 455)

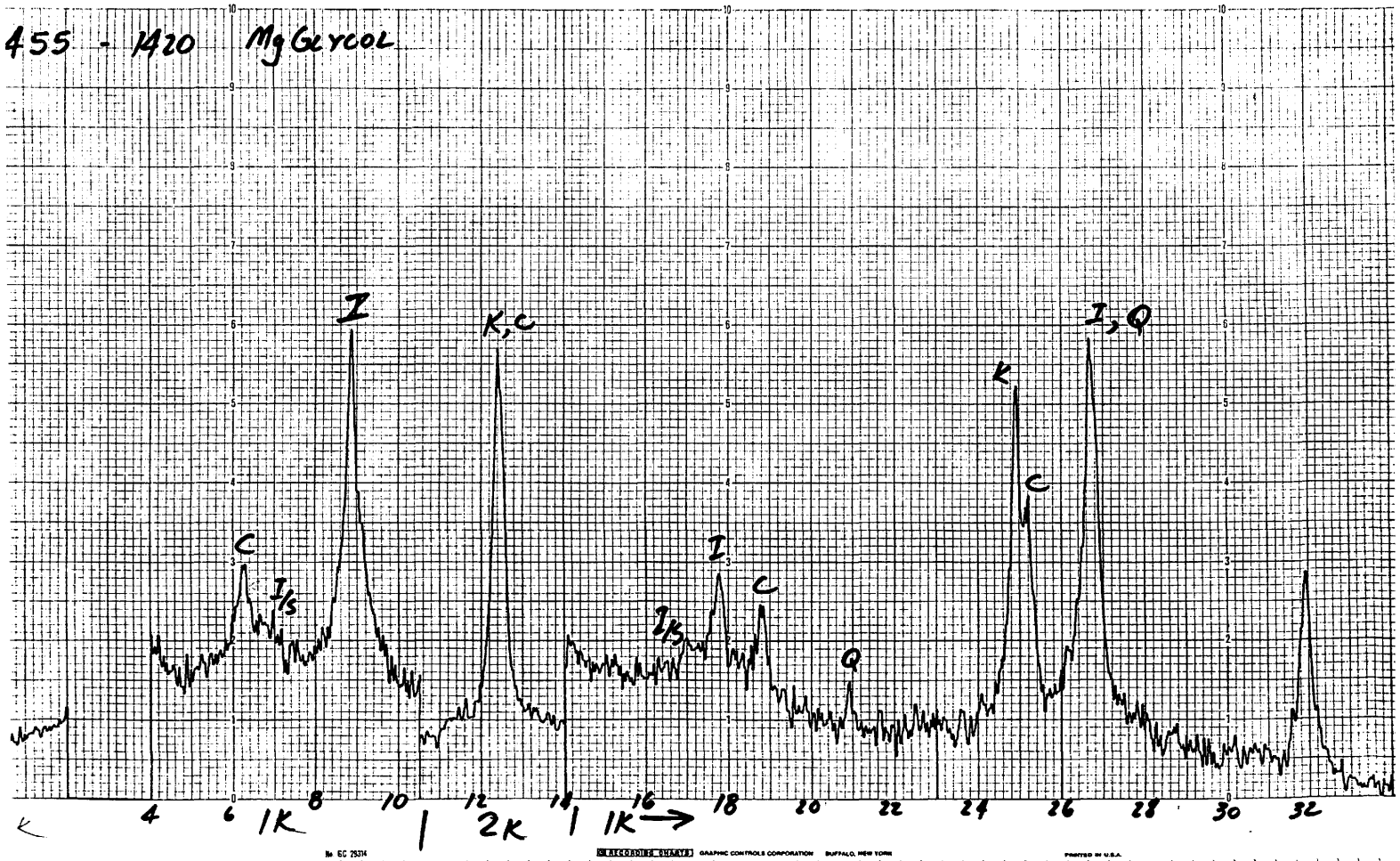
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
1180-1210	-	MIN	MOD	MOD	MAJ	Q,AP2,D
1420-50	-	MIN	MOD	MOD	MAJ	Q,SID2
1600-30	-	MIN	MOD	MOD	MAJ	Q,SID2
2050-80	-	MIN	MOD	MOD	MAJ	Q,SID2
2500-30	-	MOD	MOD	MOD	MOD	Q,P,AP
3000-30	-	MOD	MOD	MAJ	MOD	Q
3450-80	-	MOD	MOD	MAJ	MOD	Q,P
3930-60	-	MOD	MOD	MOD	MOD	Q,P
4200-30	-	MOD	MAJ	MOD	MOD	Q
4620-50	-	MOD	MAJ	MOD	MOD	Q,P
5000-20	-	MOD	MAJ	MOD	MOD	Q,P
5400-20	-	MOD	MOD	MOD	MOD	Q,P
5800-20	-	MOD	MAJ	MOD	MOD	Q1,P
6000-10	-	MOD	MOD	MOD	MOD	Q,P
6400-10	-	MOD	MOD	MAJ	MOD	Q,P
6850-70	-	MOD	MOD	MAJ	MIN	Q,P
6970-90	-	MOD	MOD	MOD	MOD	Q,P
7190-7210	-	MOD	MOD	MOD	MOD	Q
7197	-	MOD	MAJ	MIN	MOD	Q
7201	-	MOD	MAJ	MIN	MOD	Q1
10480	-	MOD	MOD	MAJ	-	
10503	-	MOD	MAJ	MAJ	-	Q
11030	-	MOD	MOD	MAJ	-	Q2

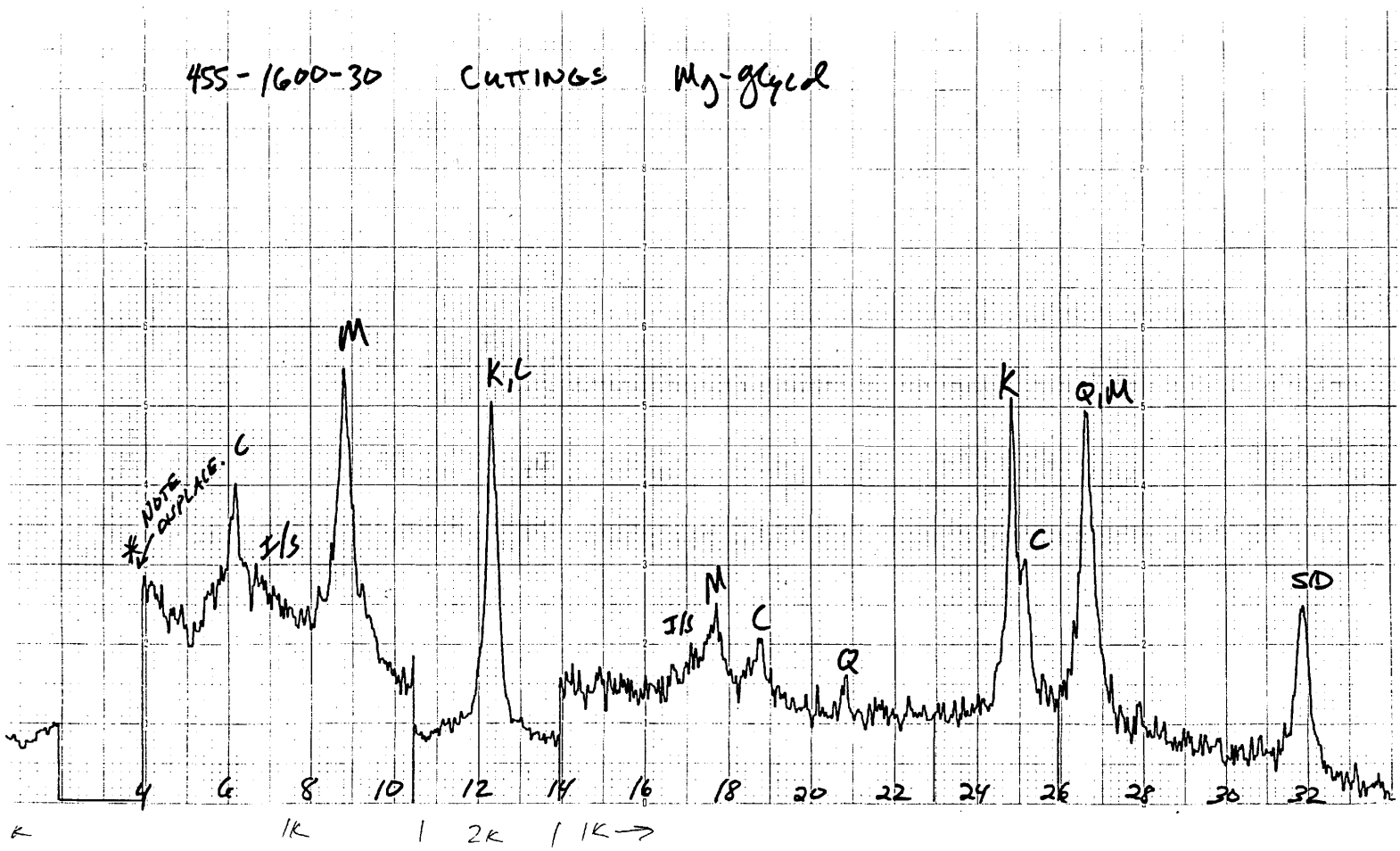
RECEIVED
MAR 12 1984
Alaska Oil & Gas Cons. Commission
Anchorage

Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, SID = Siderite, AP = Apatite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, DICK = Dickite. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments. 1 = weak, 2 = moderate, 3 = strong xrd peak

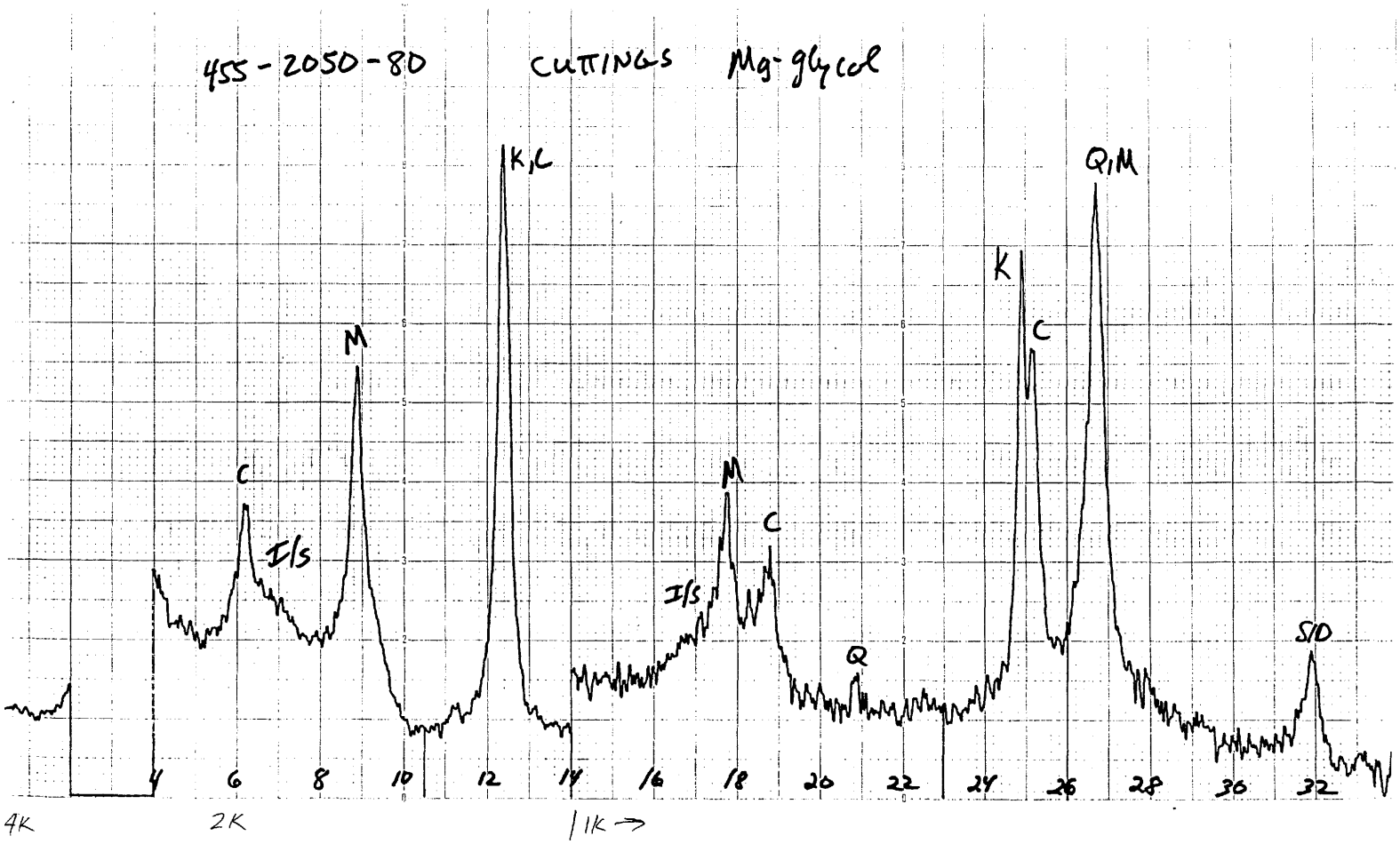


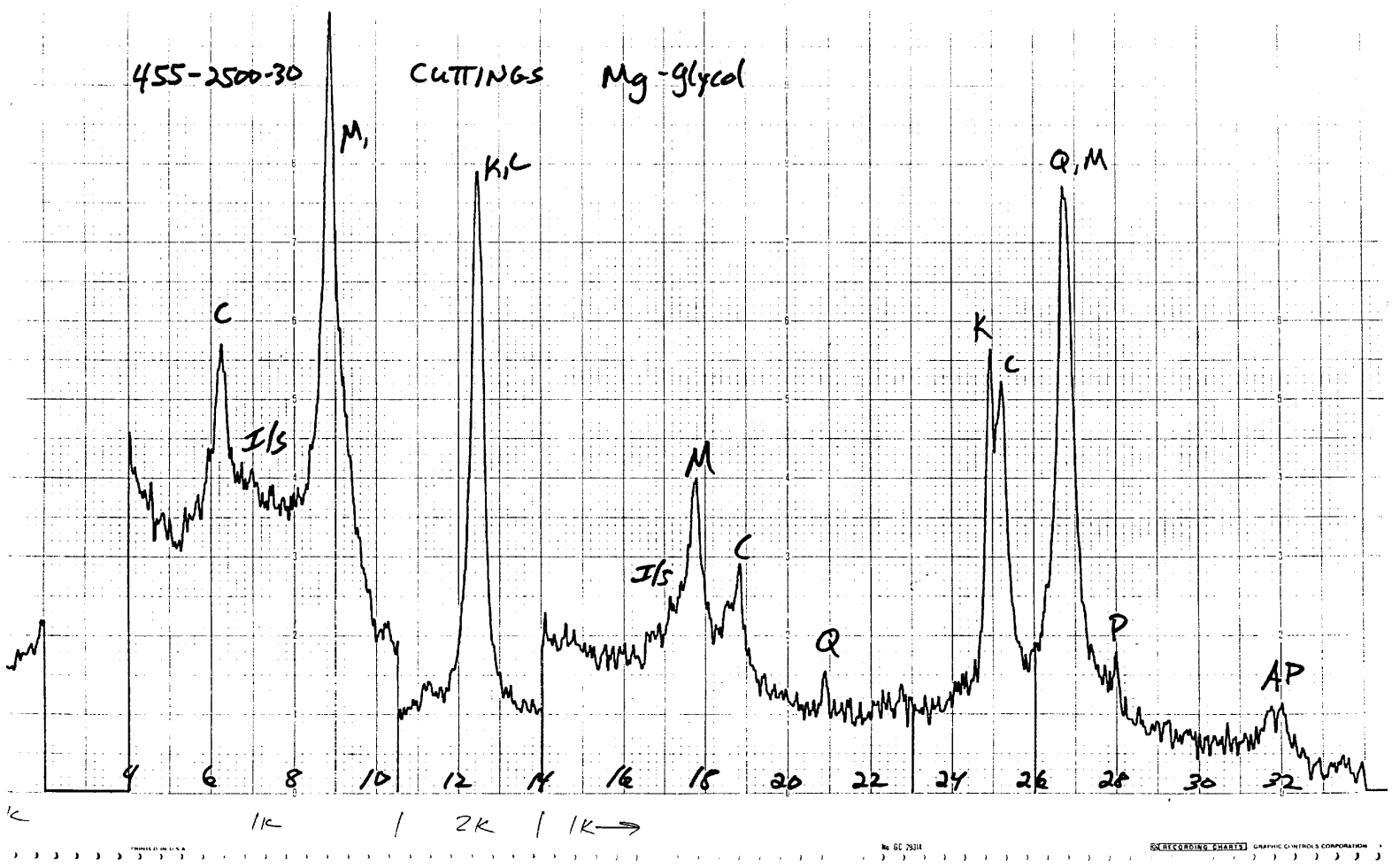
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

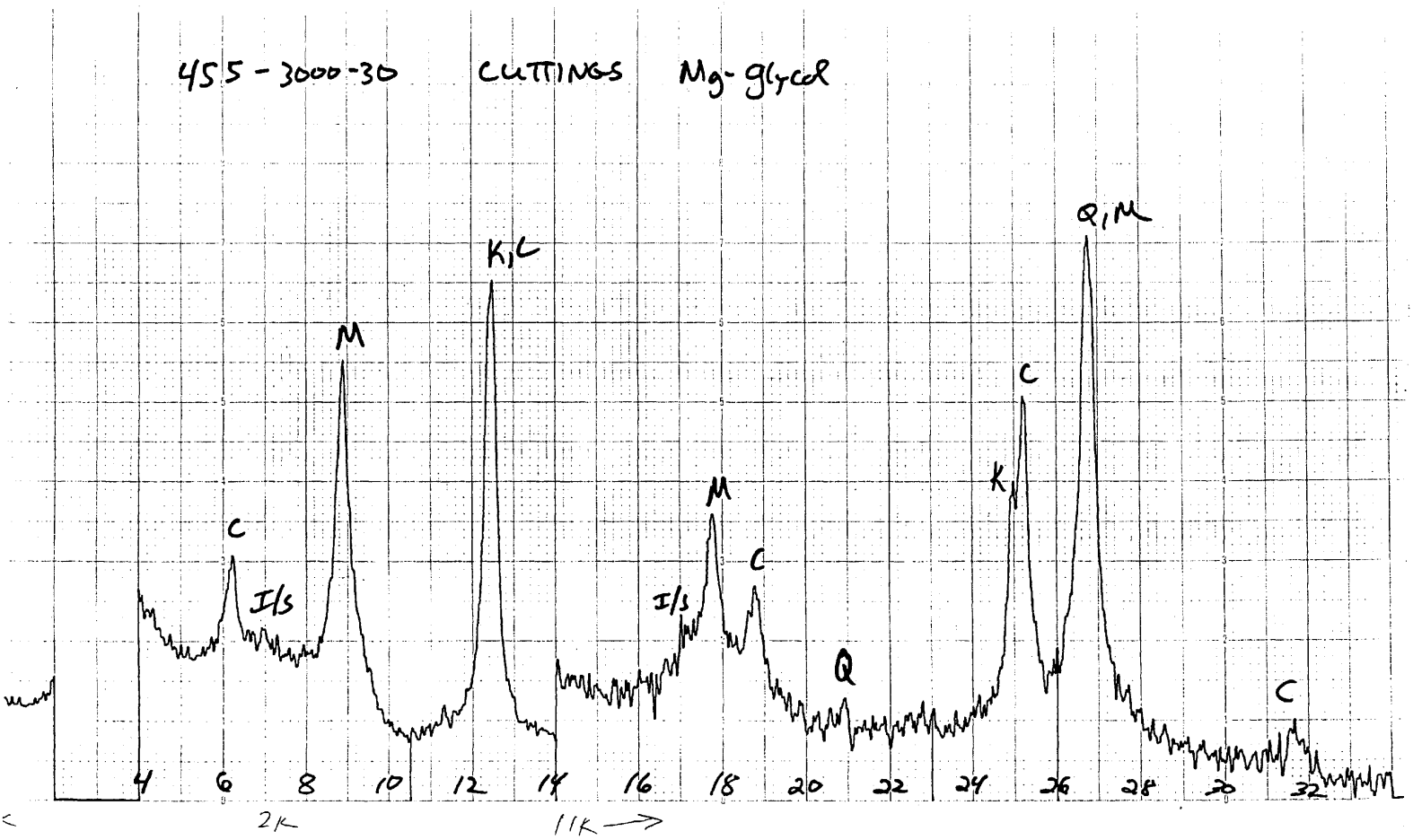

455 - 1420 Mg Glycol
C
I/S
I
K,C
I/S
I
C
Q
K
C
I,Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K



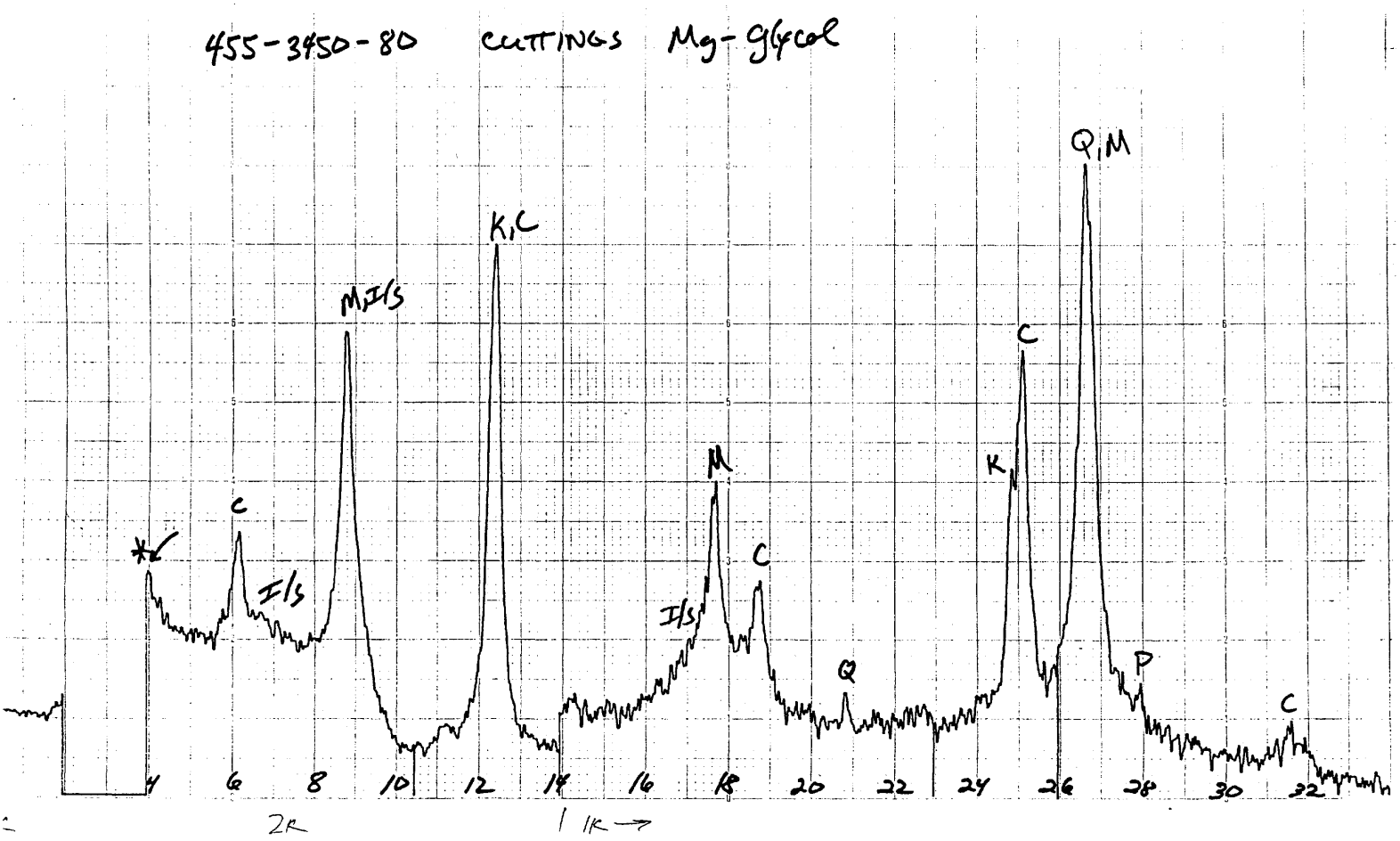
No GC 25314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK

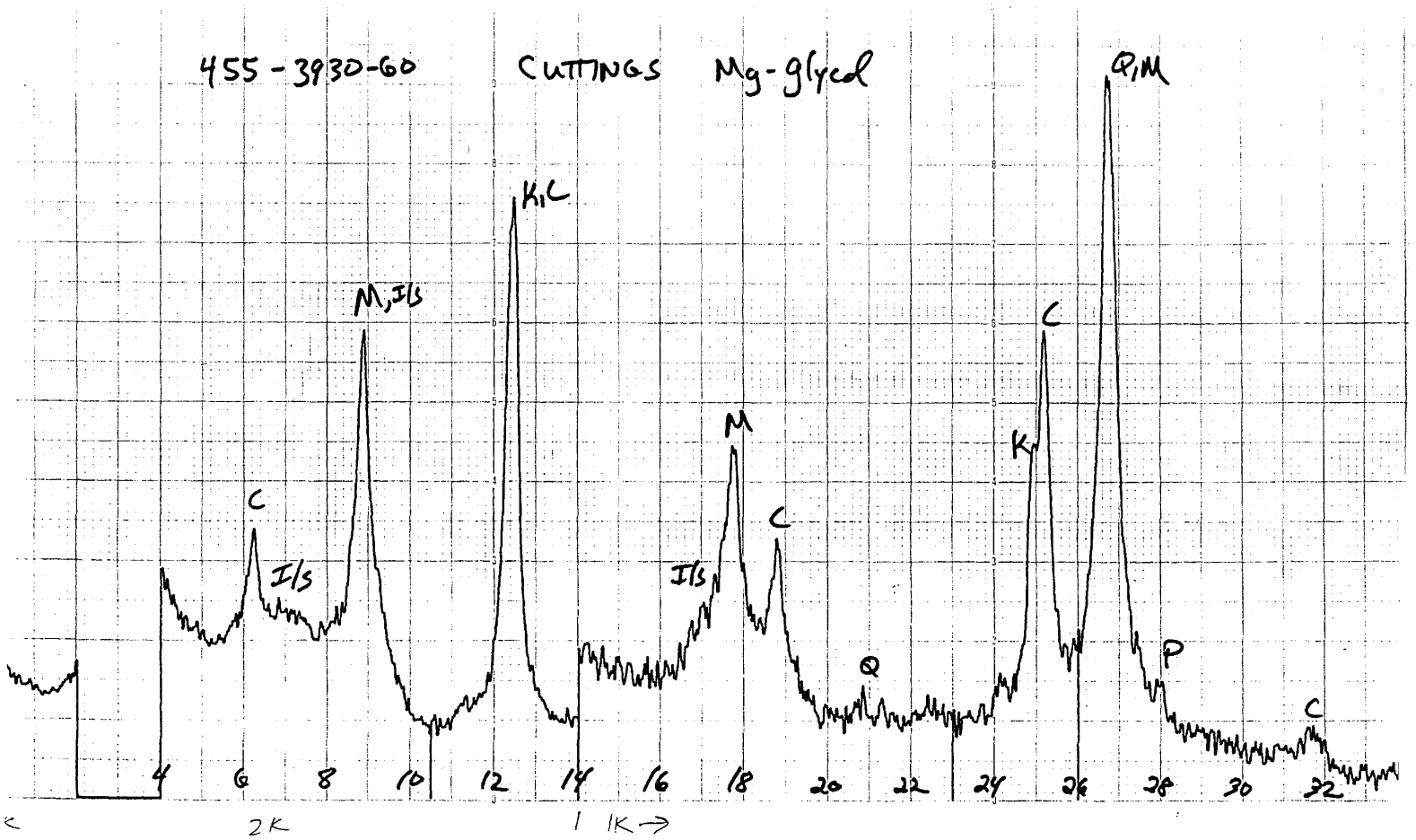

455-2050-80 CUTTINGS Mg-glycol
K,C
M
C
I/S
M
C
I/S
Q
K
C
Q,M
S/O
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
4K
2K
1K →

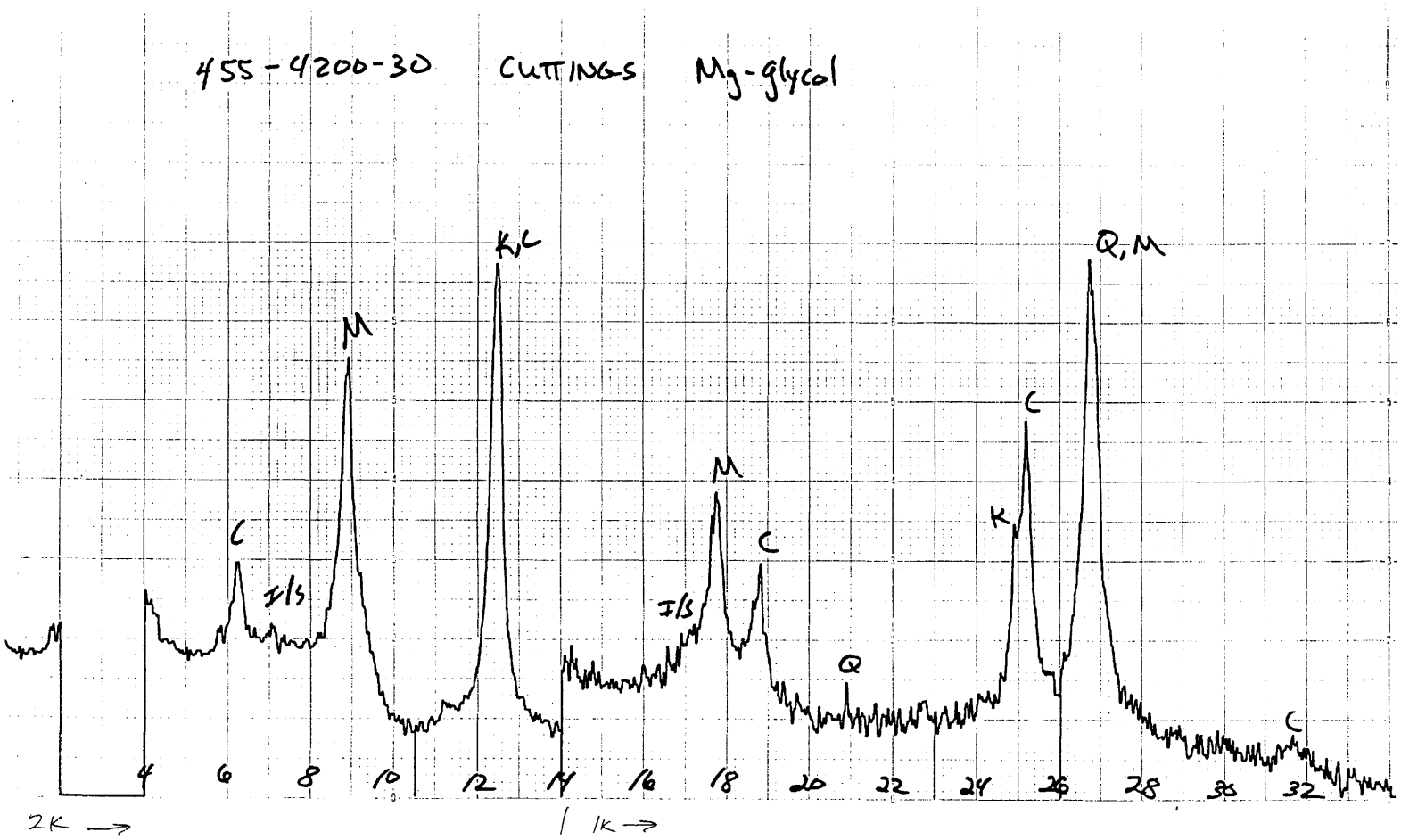

455-2500-30
CUTTINGS
Mg-glycol
M,
K,C
Q,M
C
I/S
K
C
M
I/S
C
Q
P
AP
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K

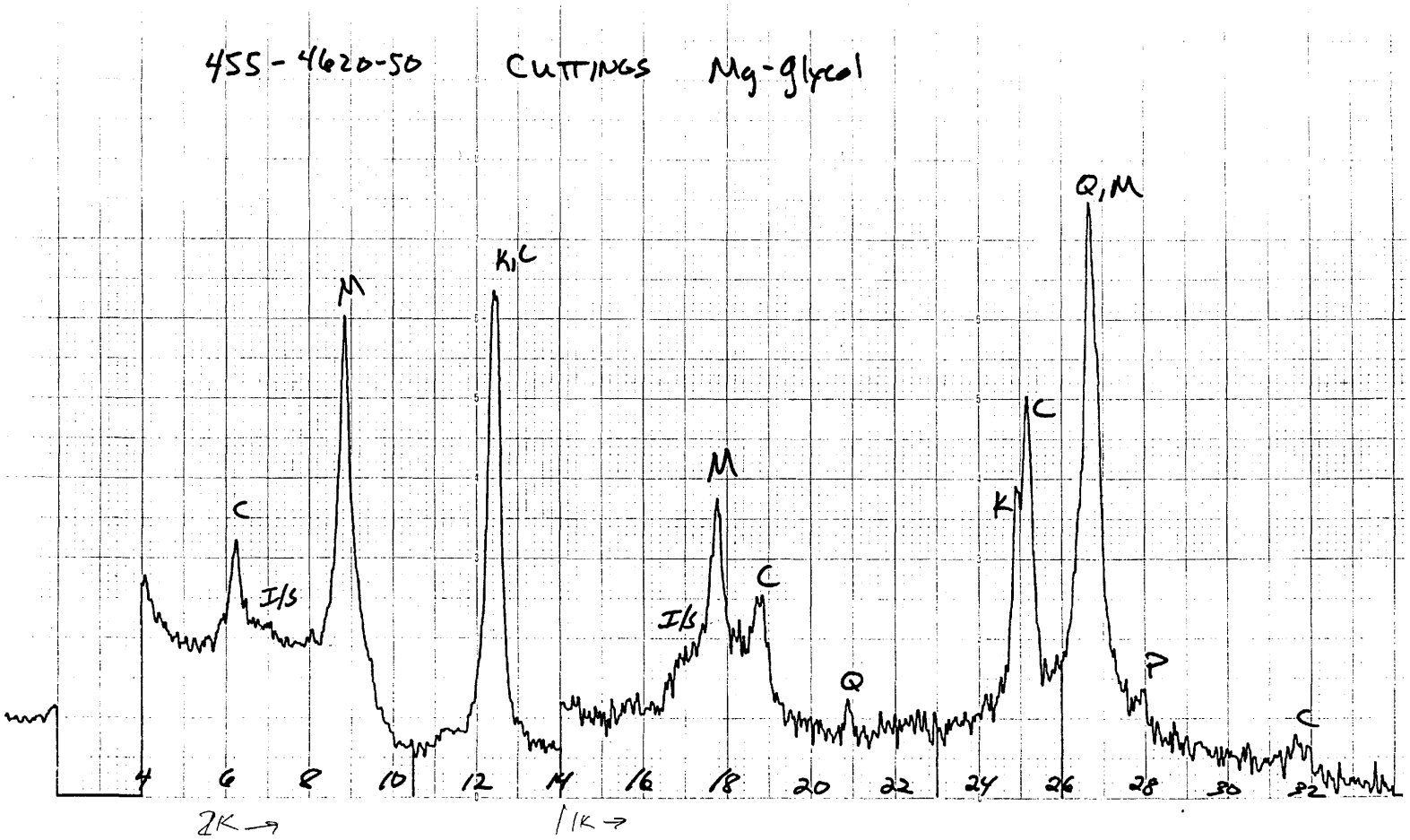


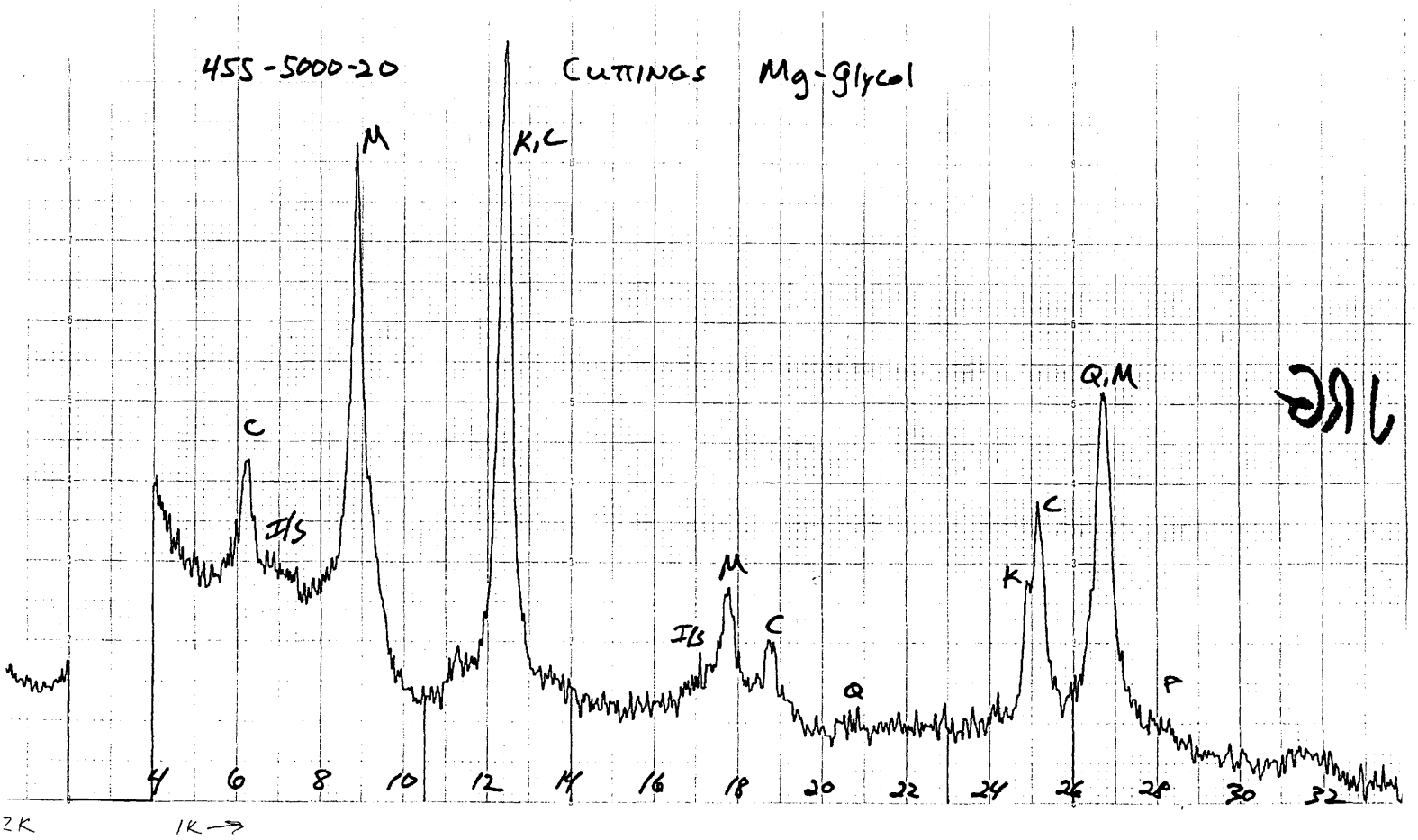
No GC 25314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK
PRINTED IN U.S.A.


455-3450-80 CUTTINGS Mg-glycol
Q,M
K,C
M,I/S
C
M
K
C
C
I/S
I/S
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2R
1 1R →

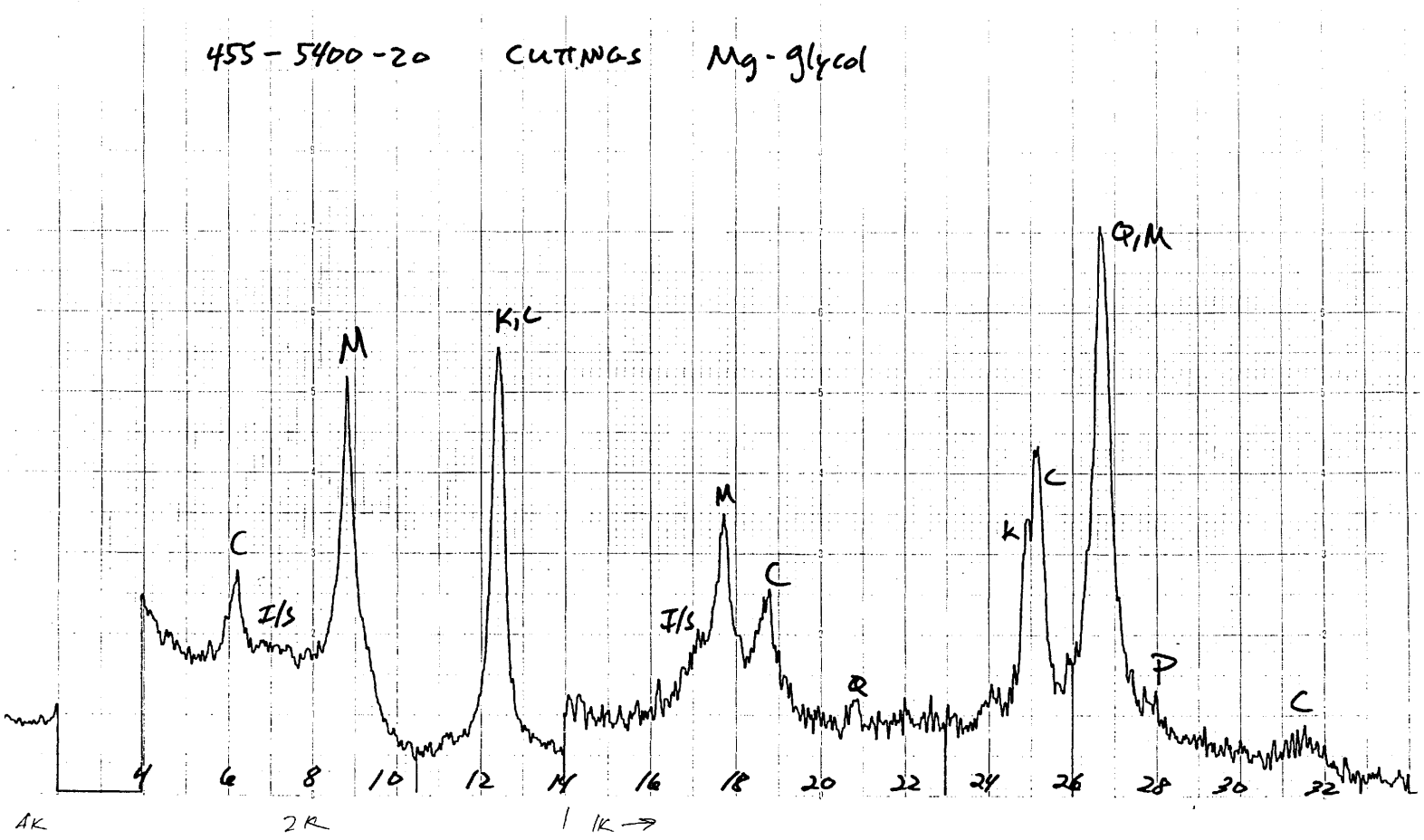

455-3930-60 CUTTINGS Mg-glycol
Q,M
K,C
M,I/s
C
M
C
C
K
I/s
I/s
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

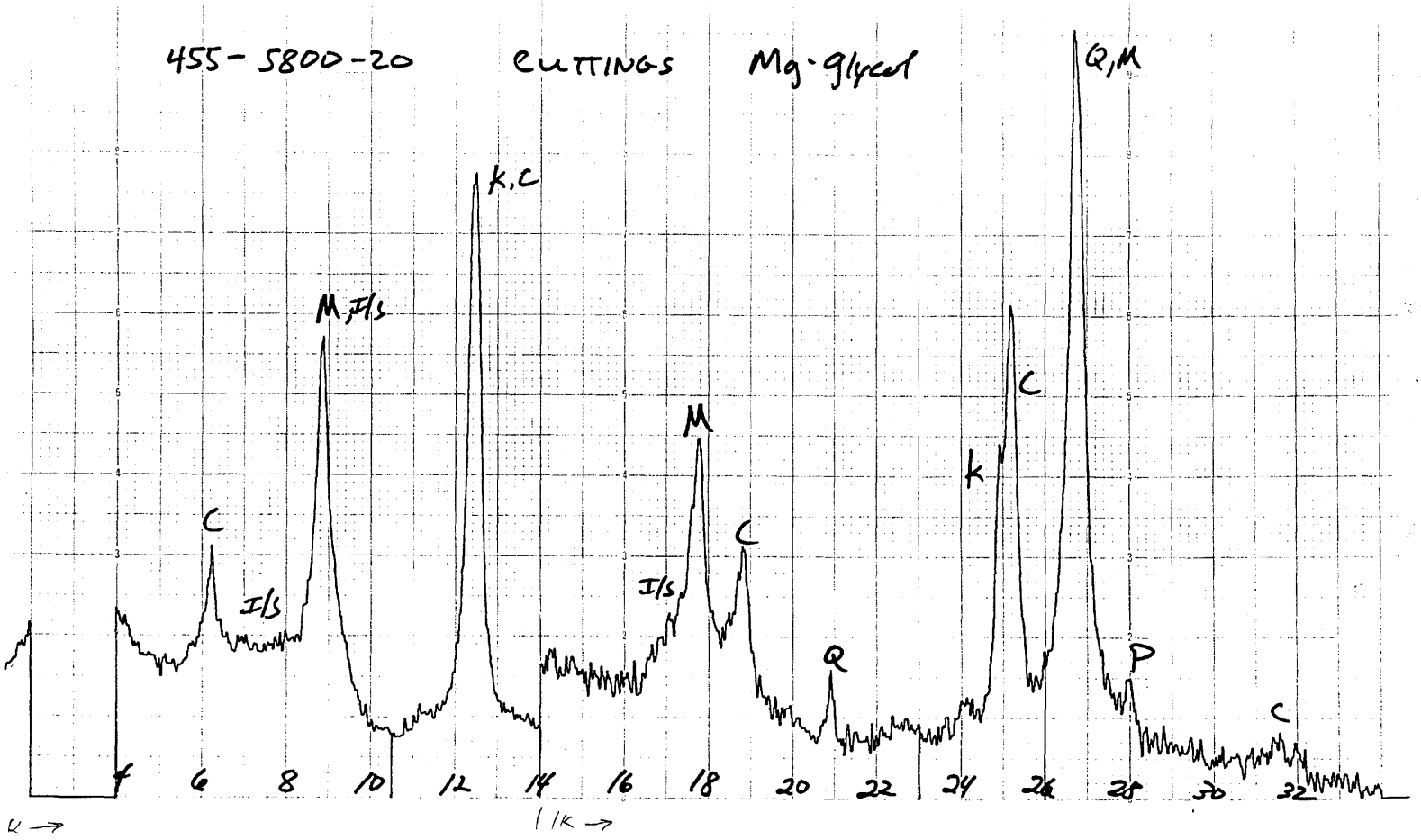

455-4200-30 CUTTINGS Mg-glycol
C
I/S
M
K,C
M
I/S
C
Q
K
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K →
1K →


455-4620-50 CUTTINGS Mg-glycol
C
I/S
M
K,C
M
I/S
C
Q
K
C
Q,M
?
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K →
1K →

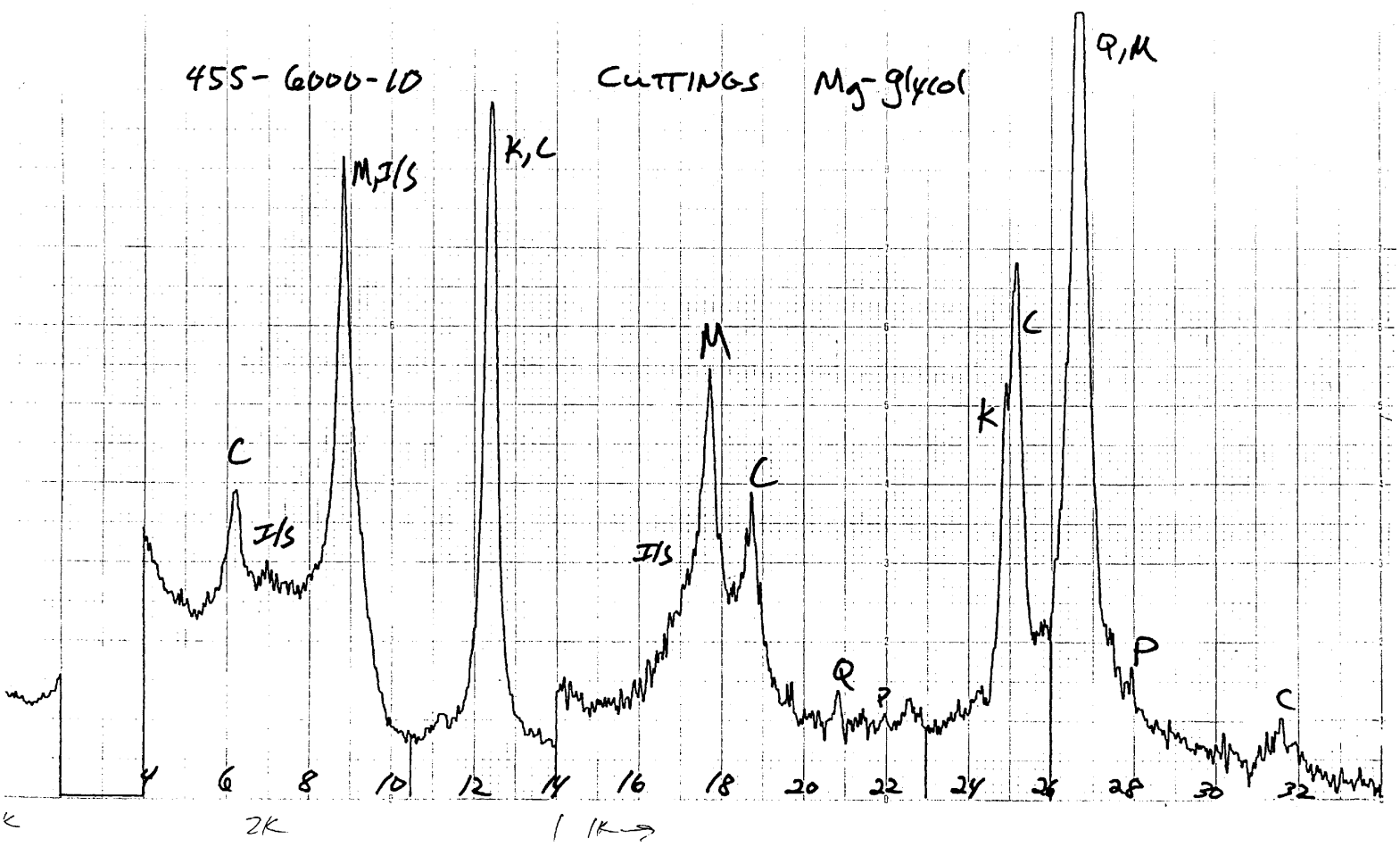


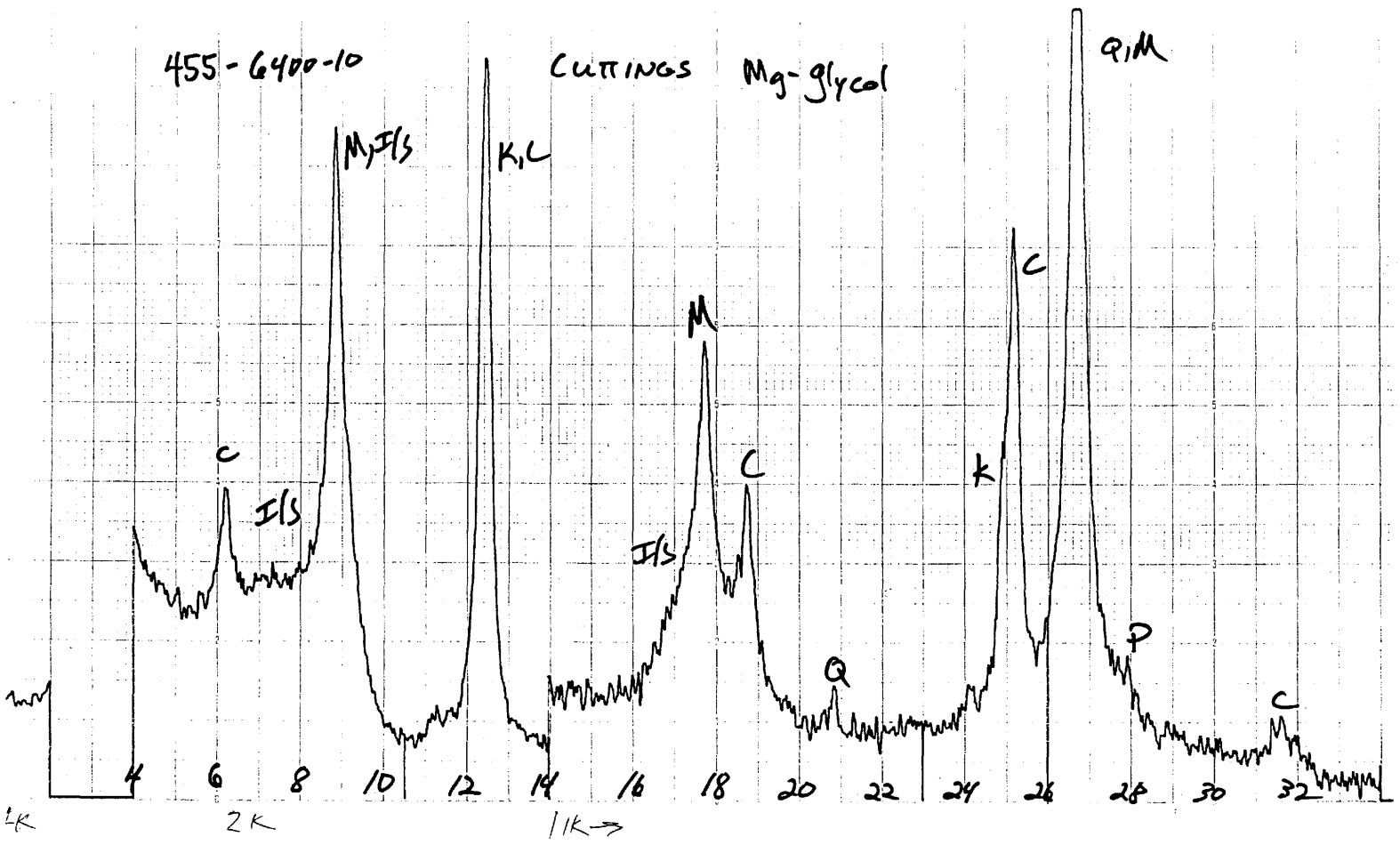
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.

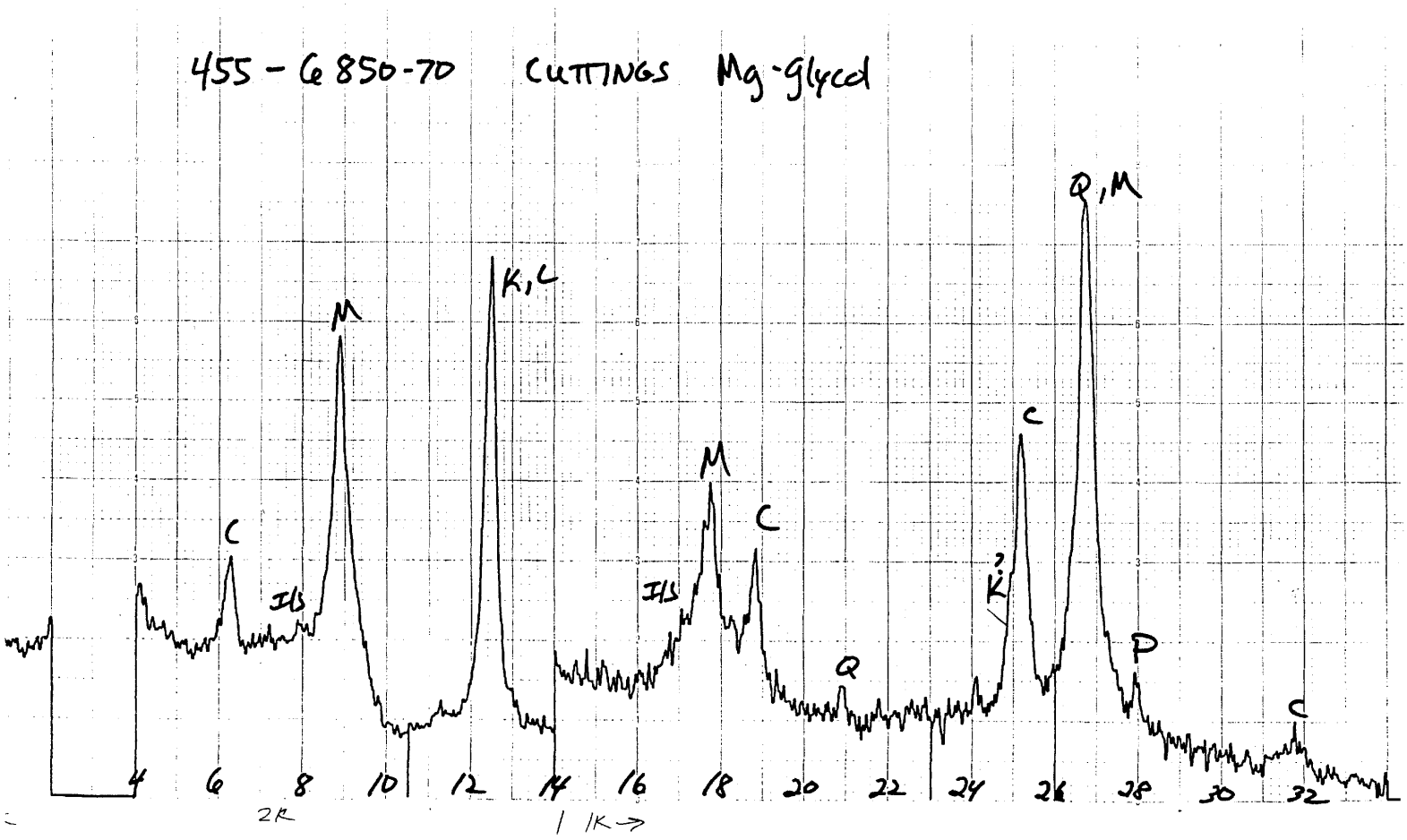

455 - 5400 - 20 CUTTINGS Mg - glycol
C
I/S
M
K, C
I/S
M
C
Q
K
C
Q, M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
AK
2K
1K →

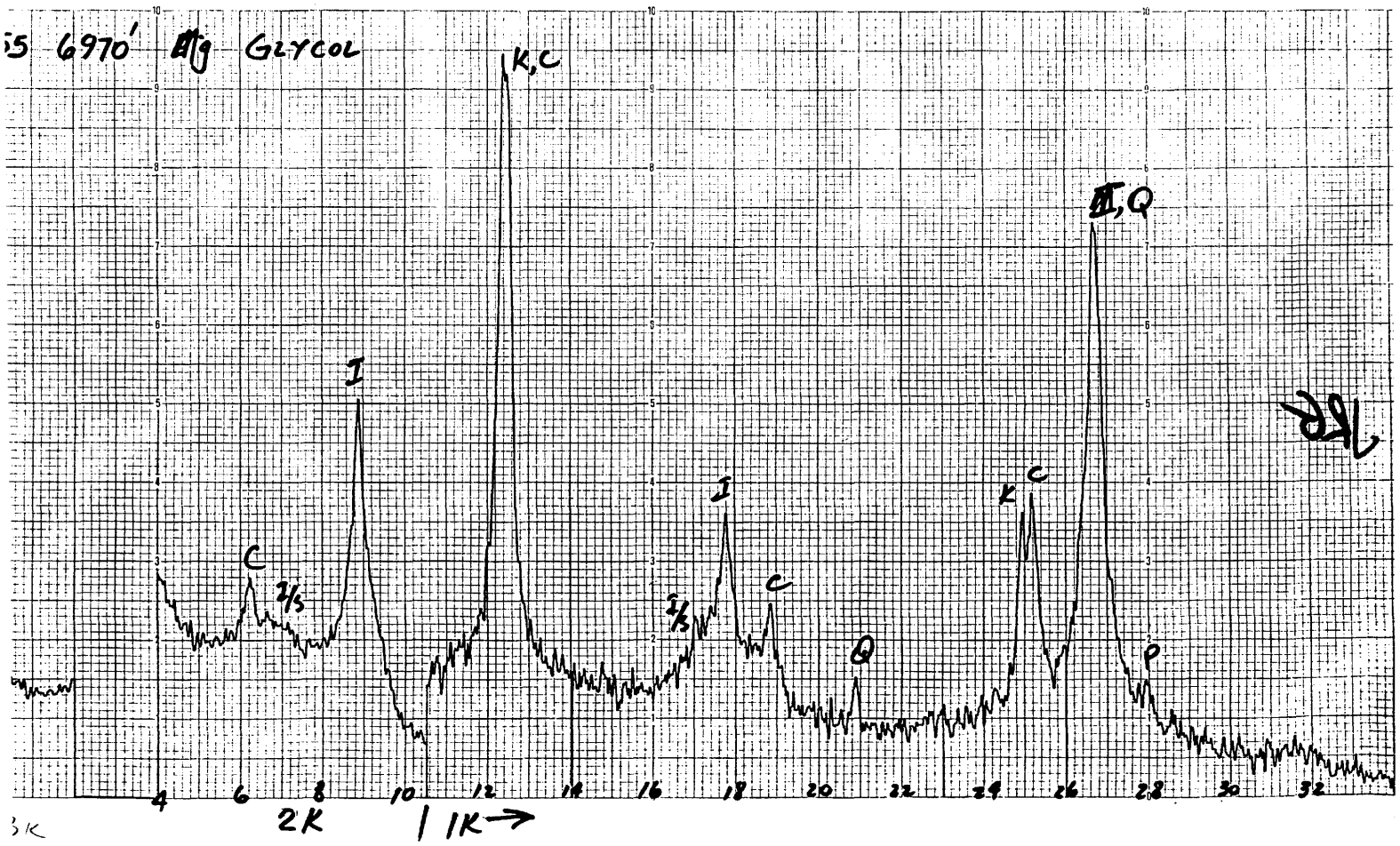


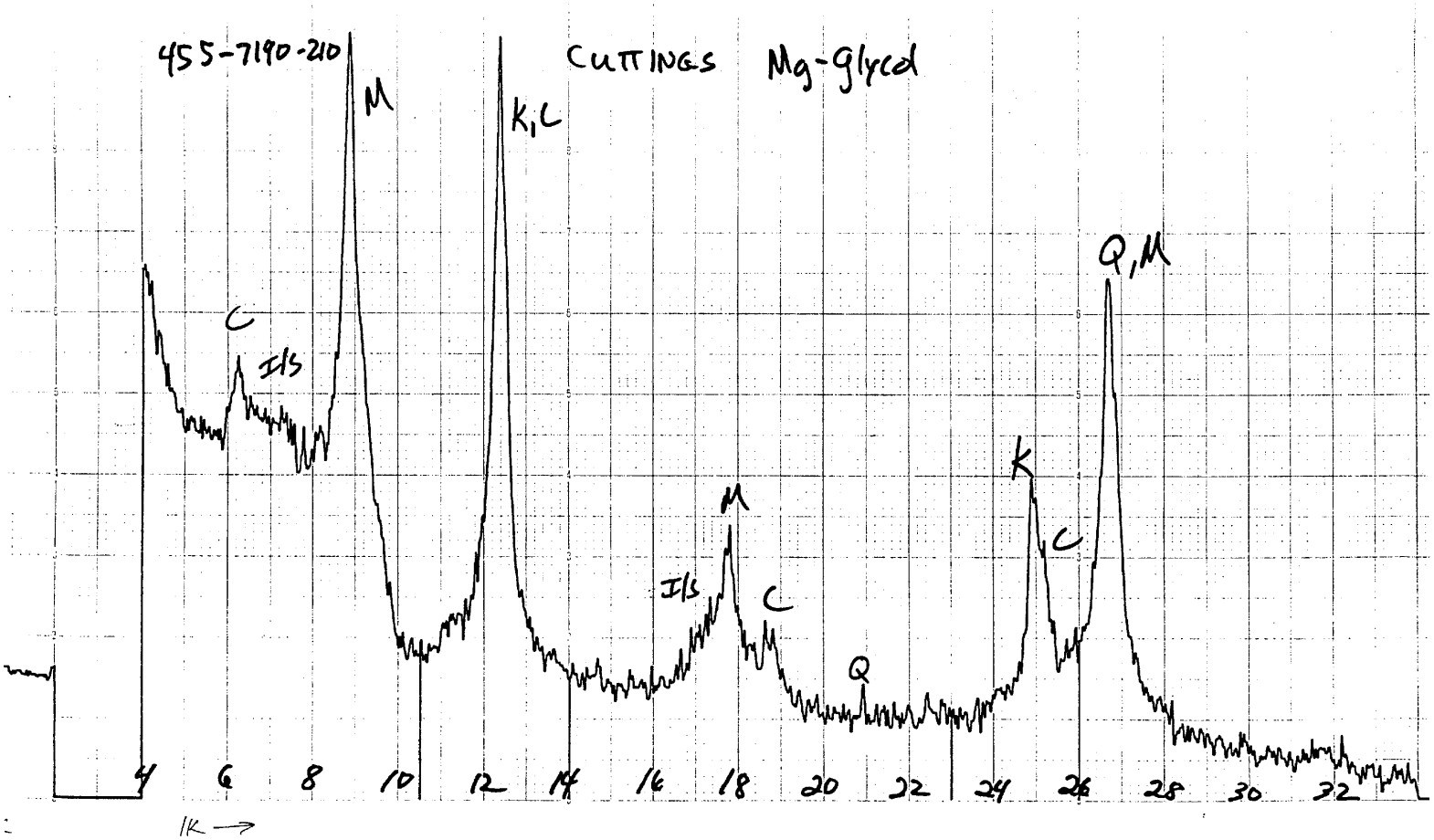
No. GC 25314 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

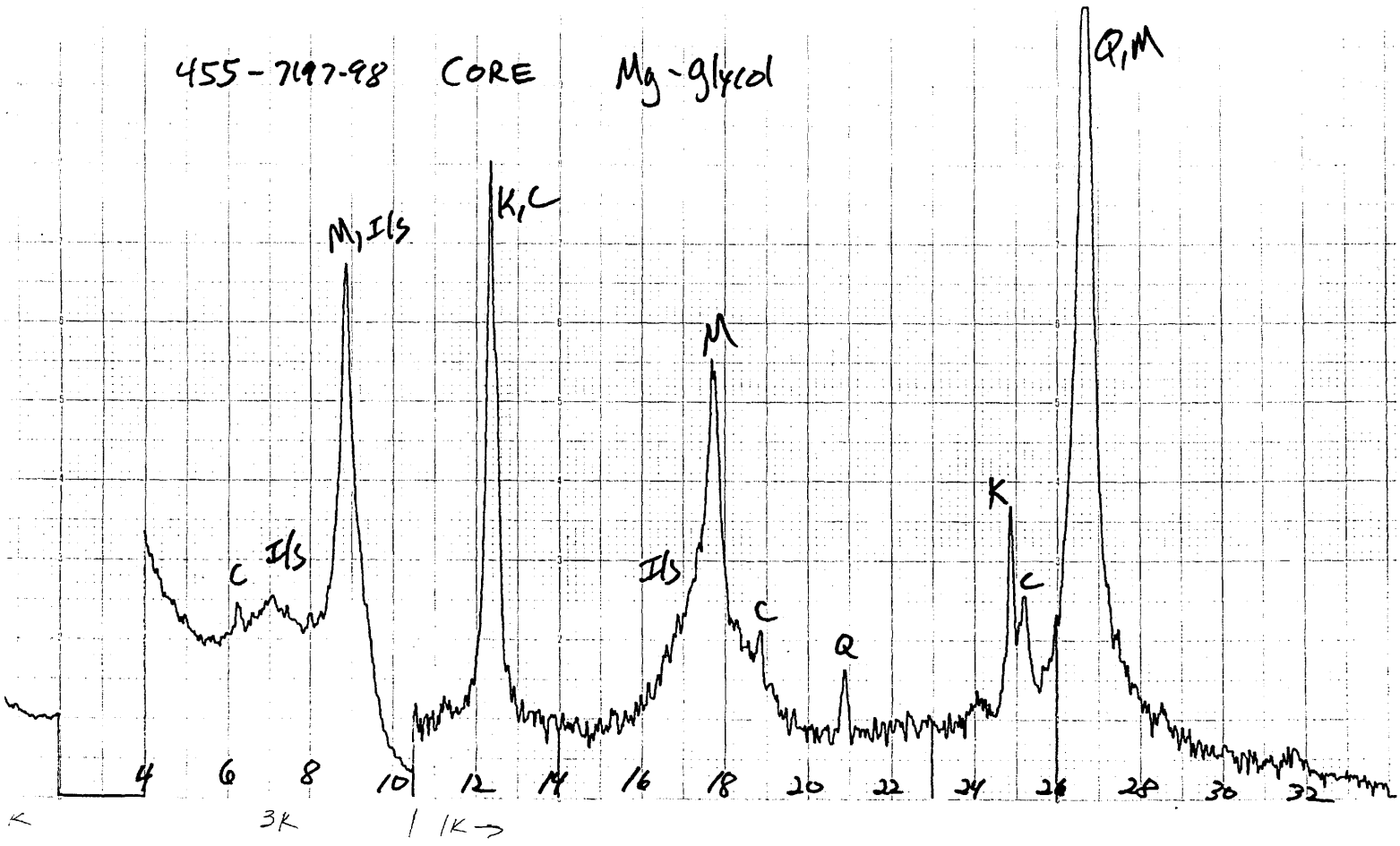

455-6000-10
CUTTINGS
Mg-glycol
M,I/S
K,C
C
I/S
M
C
I/S
Q
P
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

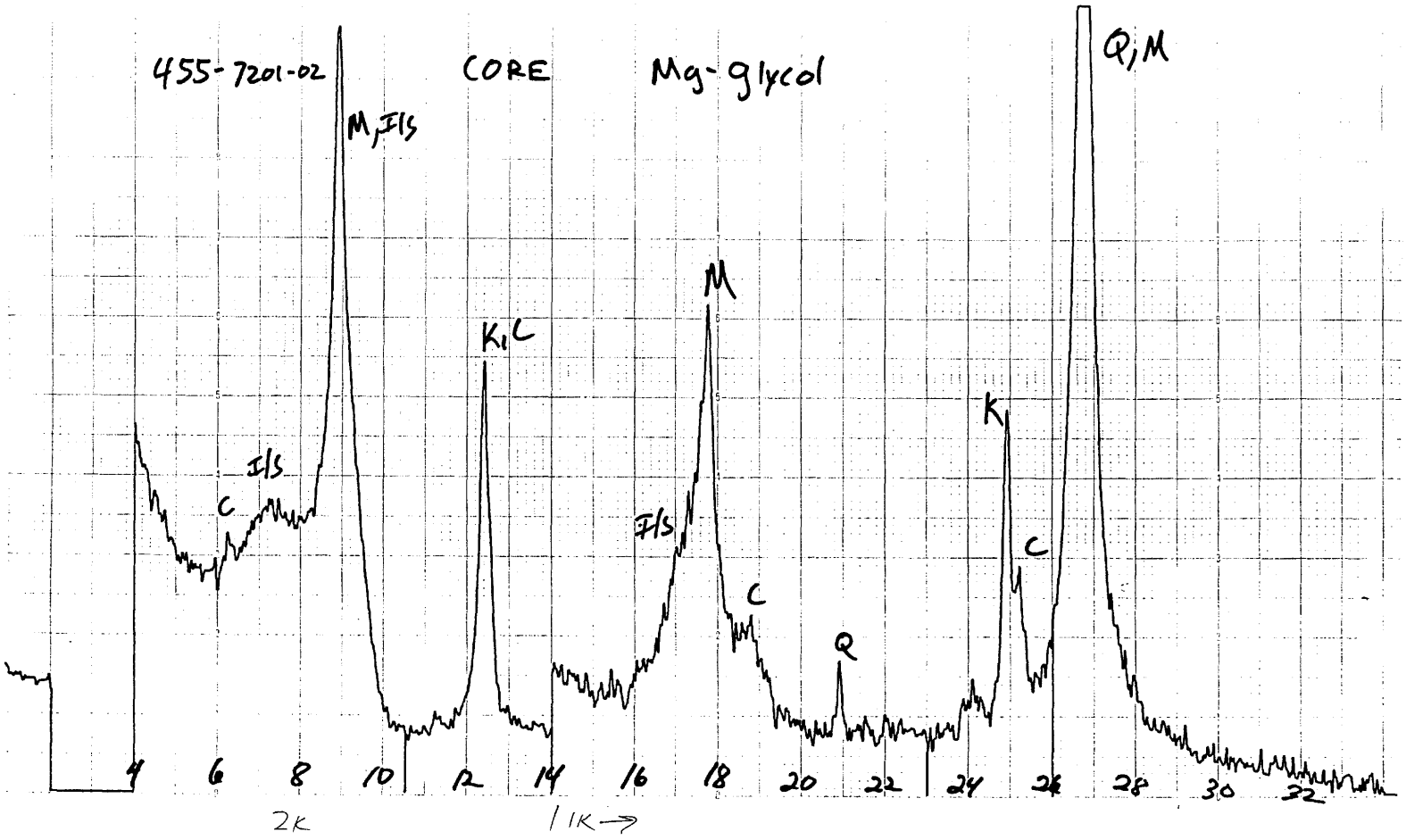

455-6400-10
CUTTINGS
Mg-glycol
M,I/S
K,C
Q,M
C
I/S
M
C
I/S
k
C
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
4K
2K
11K

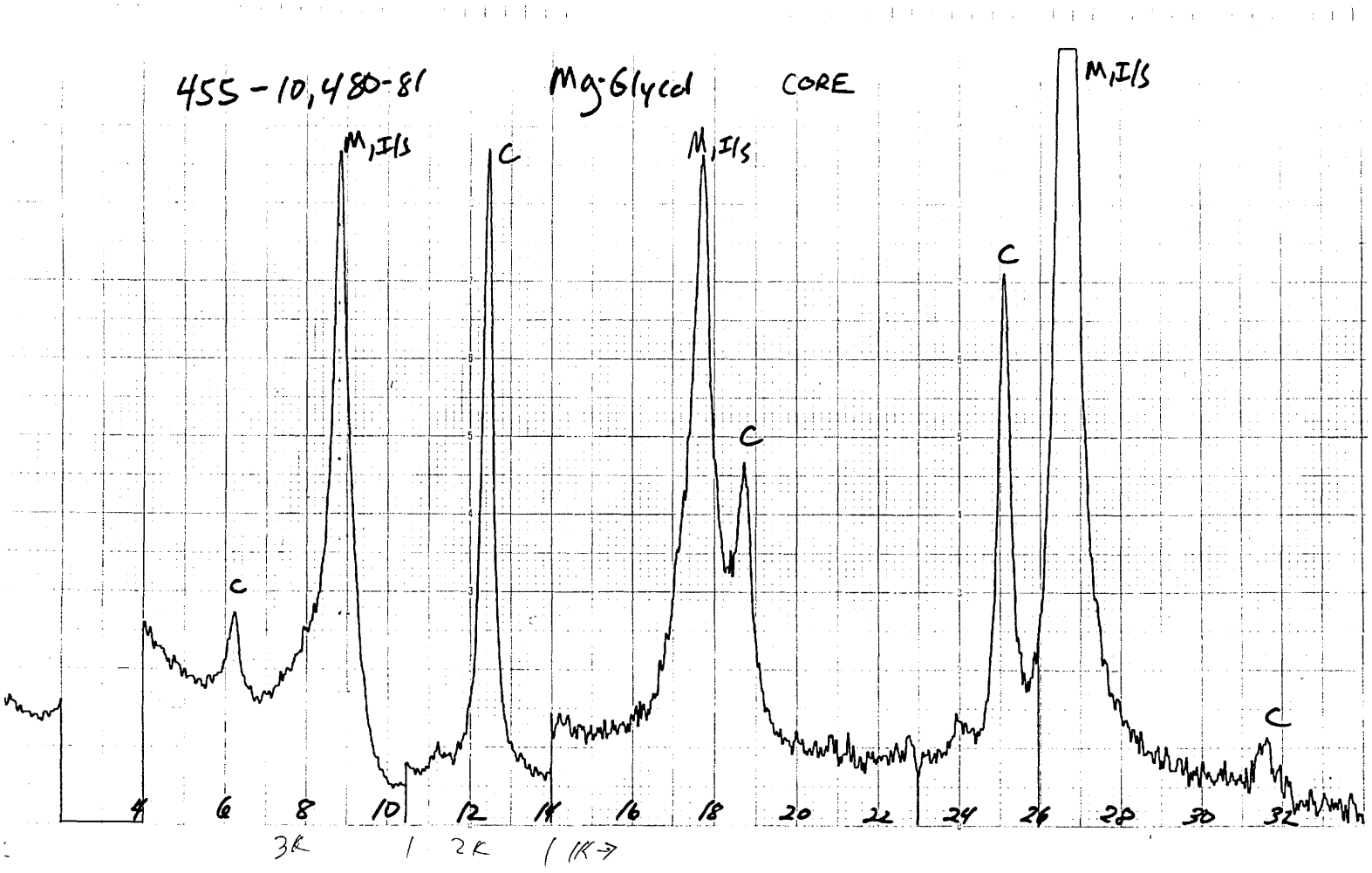

455 - G 850-70 CUTTINGS Mg-Glycol
C
IS
M
K,L
IS
M
C
Q
K?
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

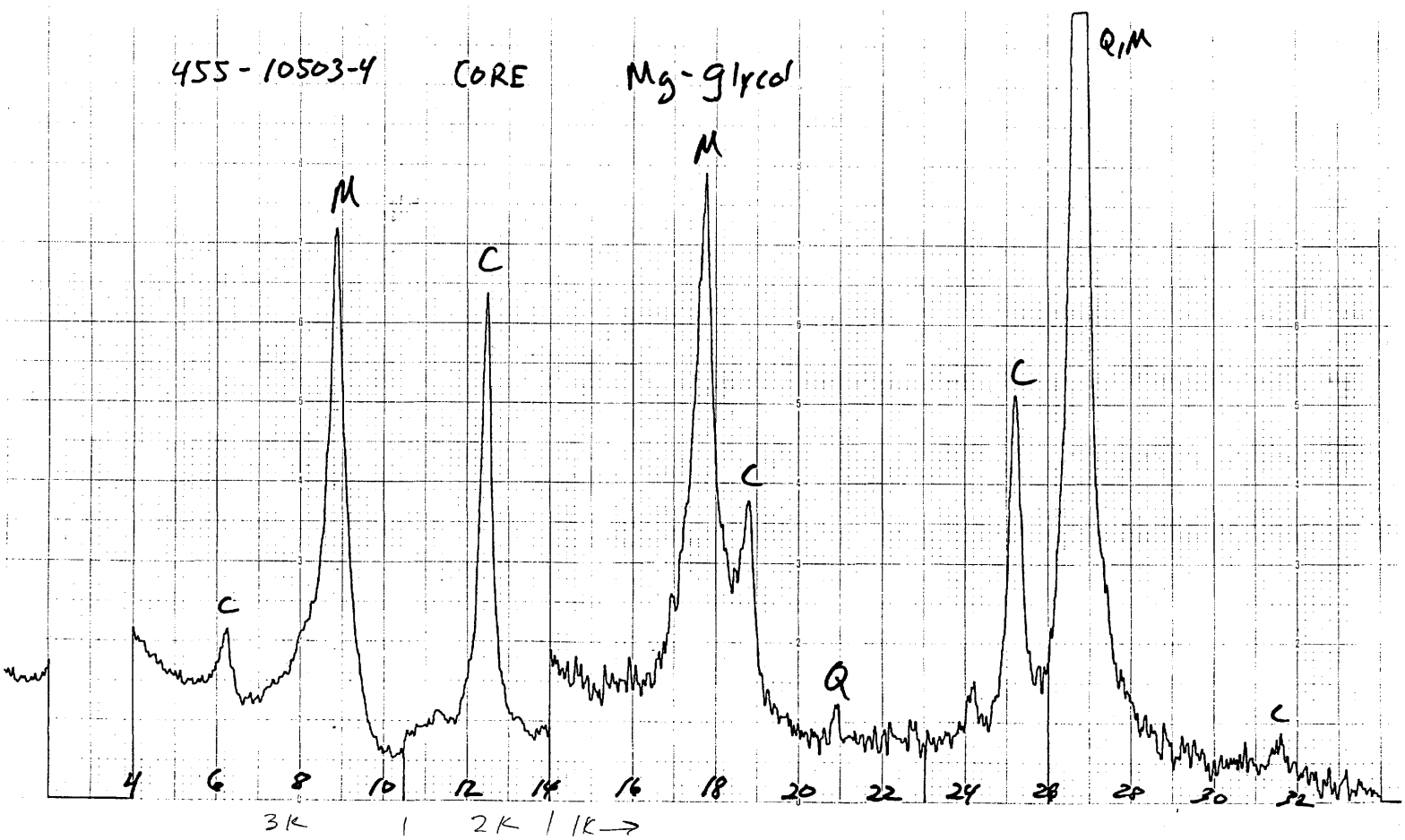

5 6970' Mg GLYCOL
K,C
I
C
I/3
I
I/3
C
Q
K
C
I,Q
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

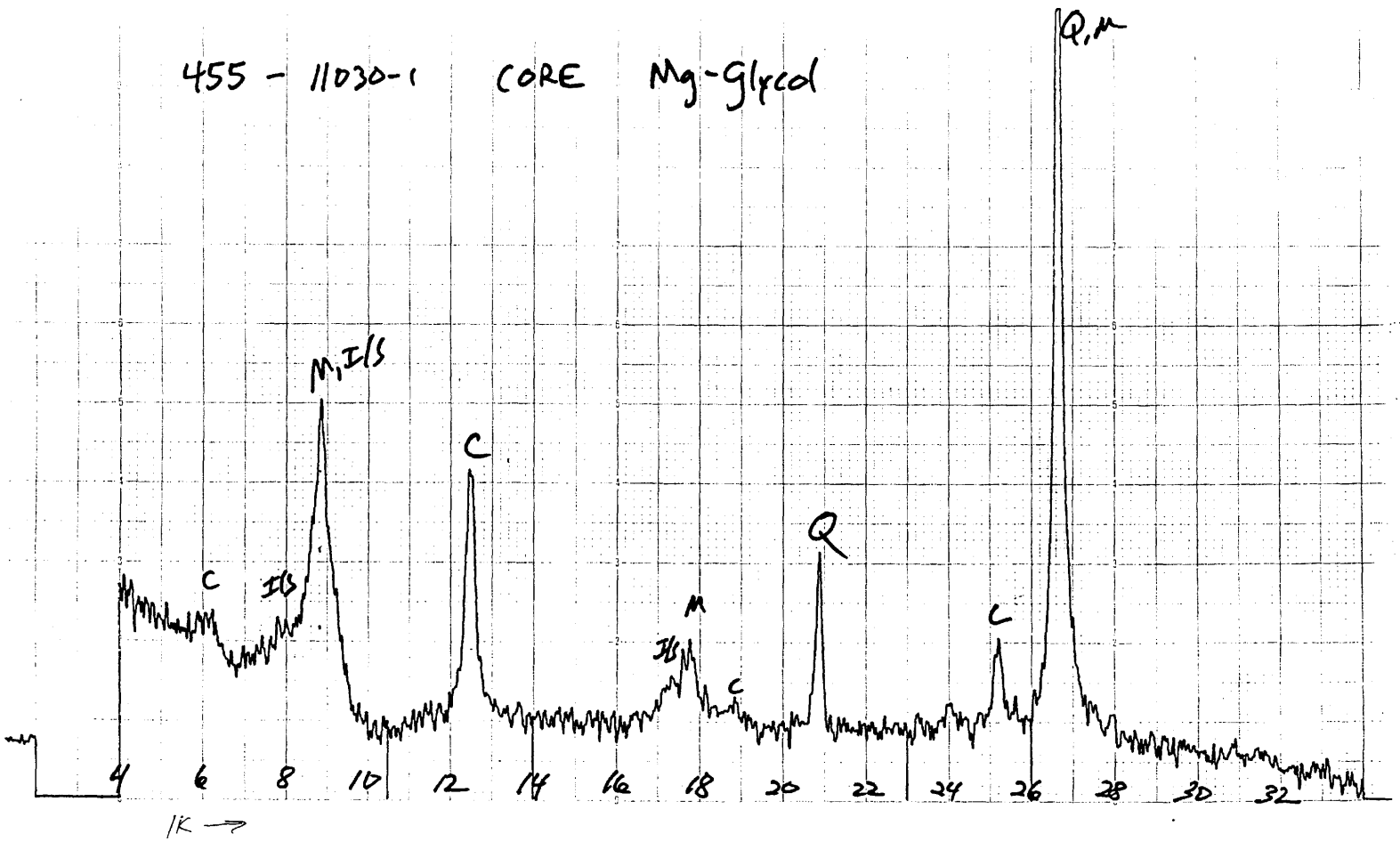

455-7190-210
CUTTINGS Mg-glycol
M
K,C
C
I/S
M
I/S
C
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →


455-7197-98 CORE Mg-glycol
M, I/S
K, C
M
Q, M
C
I/S
I/S
C
Q
K
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
1K


455-7201-02
CORE
Mg-glycol
M, I/S
K, C
I/S
C
M
I/S
C
Q
K
C
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
11K


455-10,480-81
Mg-Glycol
CORE
M,I/S
C
M,I/S
C
M,I/S
C
C
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
2K
1K


455-10503-4
CORE
Mg-glycol
M
C
M
C
C
Q
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
2K
1K


455 - 11030-1 CORE Mg-Glycol
Q,M
M,I/S
C
Q
C
I/S
M
I/S
C
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →

I

Peard No. 1 (St. No. 457)

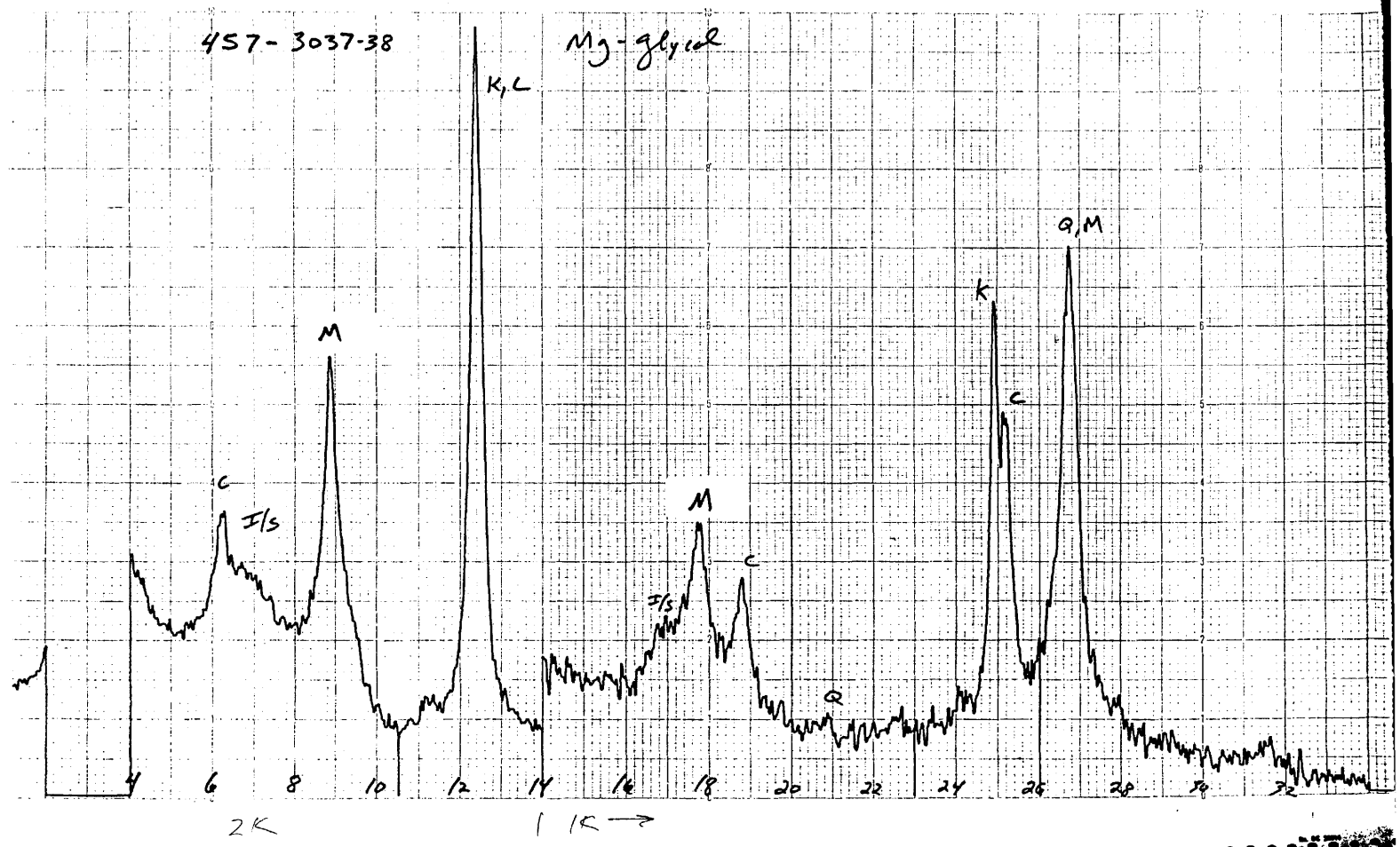
22 P

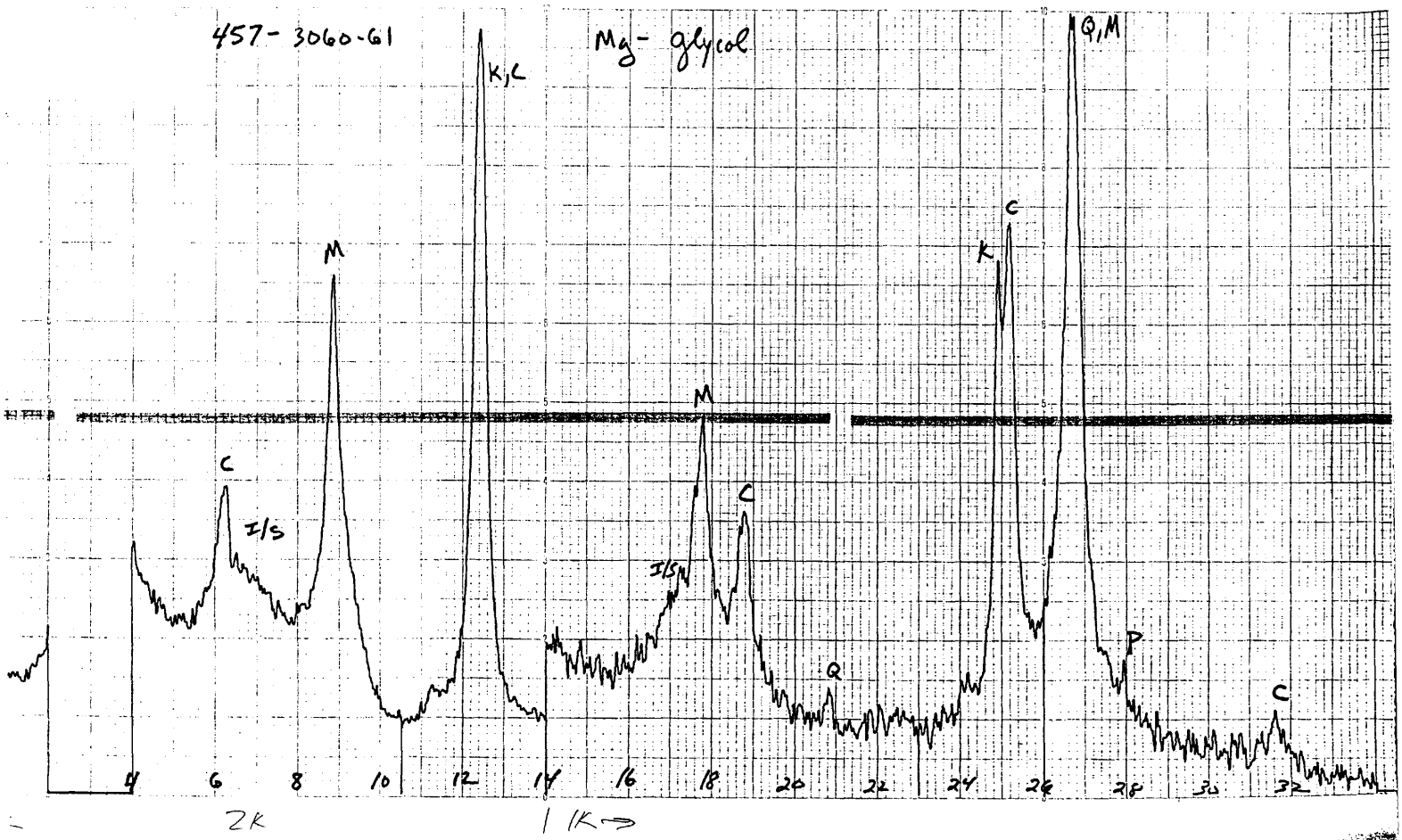
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
3037	-	MOD	MOD	MOD	MOD	Q1
3060	-	MOD	MOD	MOD	MOD	Q1,P1
4278-80	-	MOD	MOD	MOD	MOD	Q1,P
4292	-	MOD	MOD	MAJ	MIN	Q1,P
5410	-	MOD	MOD	MAJ	MIN	Q1,P
5420	-	MOD	MOD	MAJ	TR	Q1,P
5790-5805	-	MOD	MOD	MAJ	MIN	Q,P,CUTTINGS
5907-9	-	MOD	MOD	MAJ	_	Q1,P
6000-15	-	MOD	MOD	MAJ	MIN	Q1,CUTTINGS
6121-23	-	MOD	MOD	MAJ	MIN	Q1,P
6195-6210	-	MOD	MAJ	MAJ	MIN	Q,CUTTINGS
6390-6405	-	MOD	MOD	MOD	MOD	Q1,CUTTINGS
6405-6	-	MOD	MOD	MOD	MAJ	Q1
6412	-	MOD	MOD	MIN	MOD	Q1
6600-10	-	MOD	MOD	MOD	MOD	Q1,CUTTINGS
6990-7000	-	MOD	MOD	MOD	MOD	Q1,CUTTINGS
7200-10	-	MOD	MOD	MOD	MOD	Q1,CUTTINGS
7590-7600	-	MOD	MOD	MOD	MOD	Q,CUTTINGS
7851-54	-	-	TR	MAJ	_	Q
8279	-	MOD	MOD	MAJ	_	Q
8452	-	MIN	MOD	MAJ	_	Q2

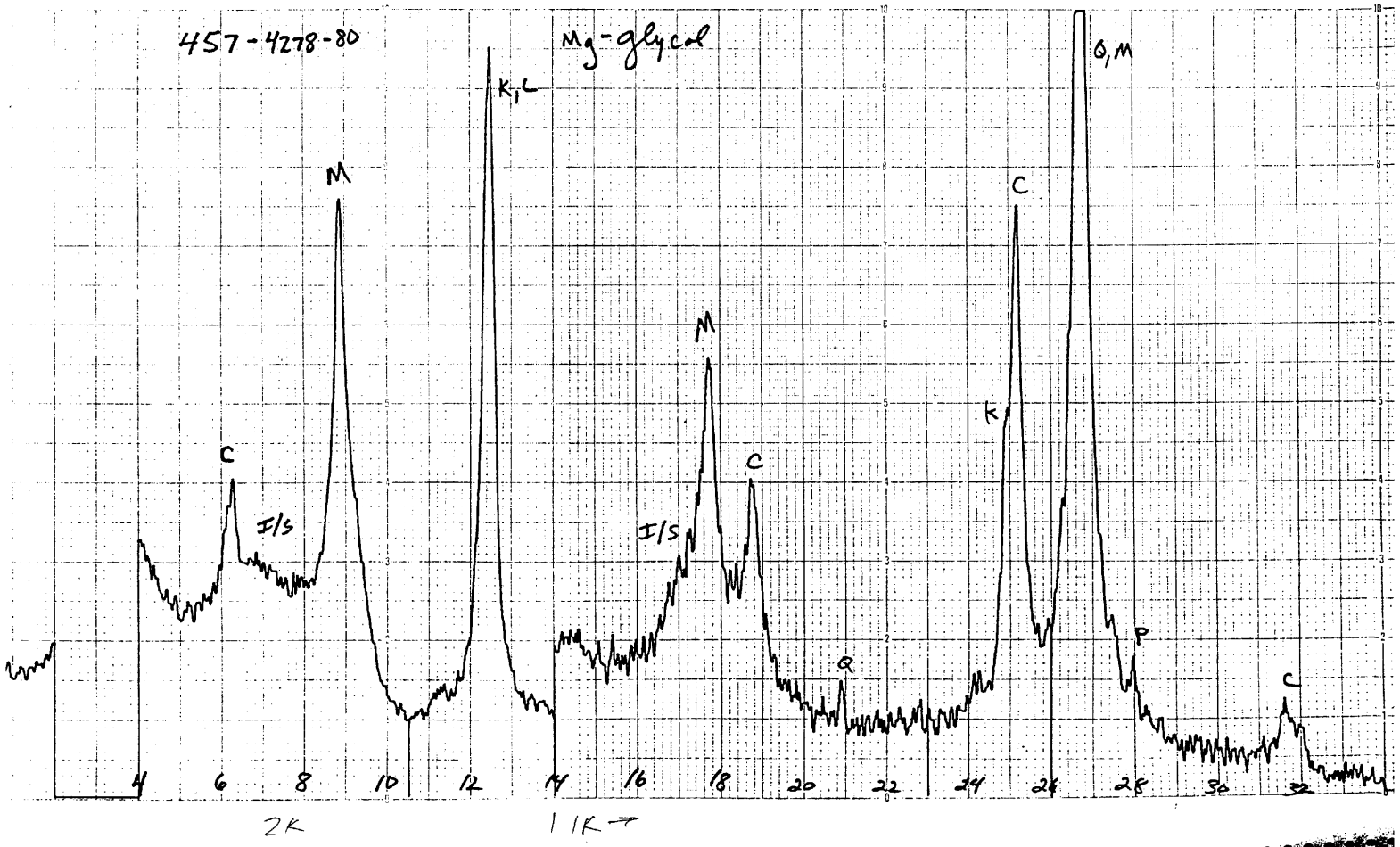
Definitions: TRACE = <3%, MIN = 3 - 12%, Mod = 13 - 35%, Major = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, AN = Analcime, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.

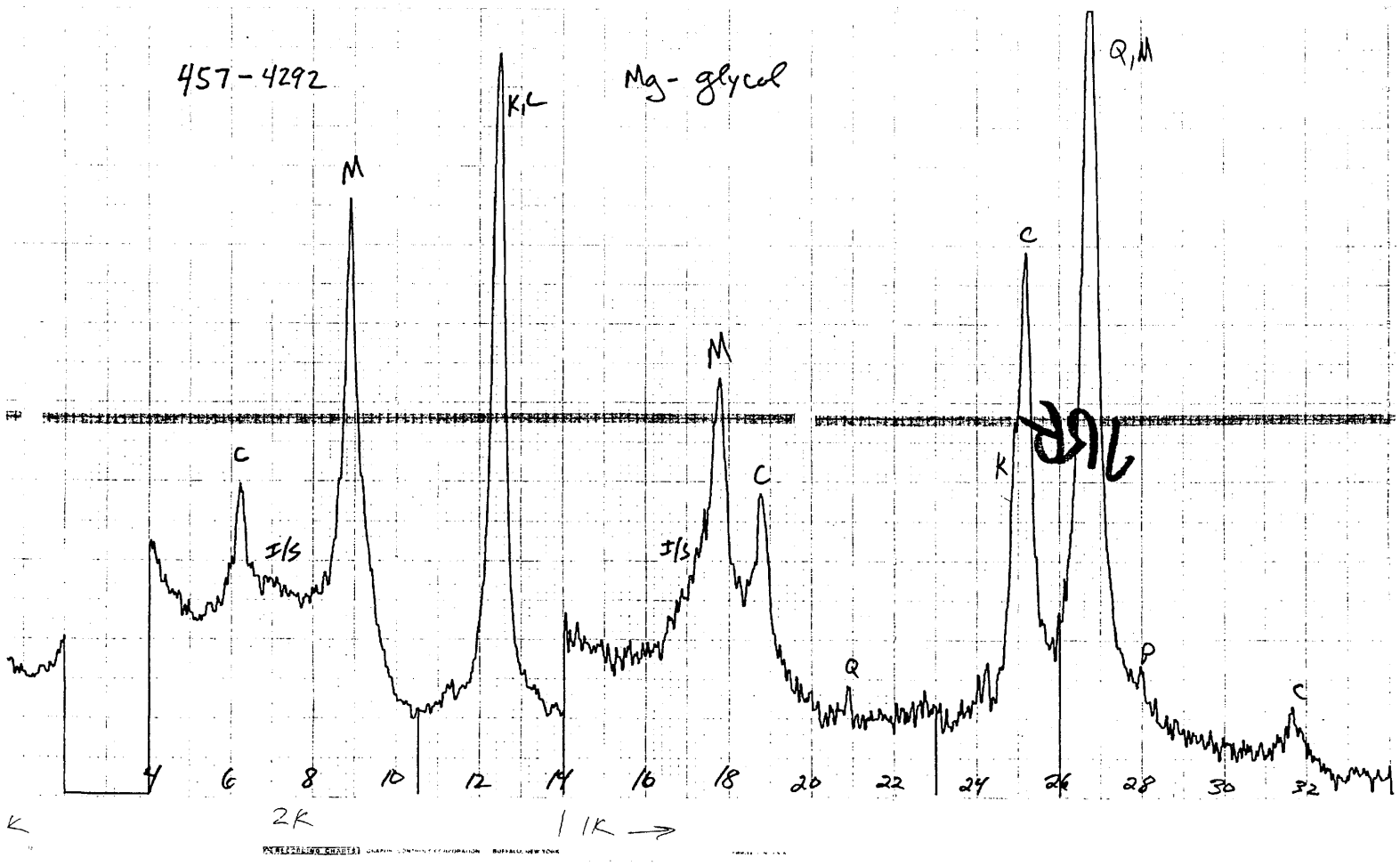
1 = weak, 2 = moderate, 3 = strong xrd peak

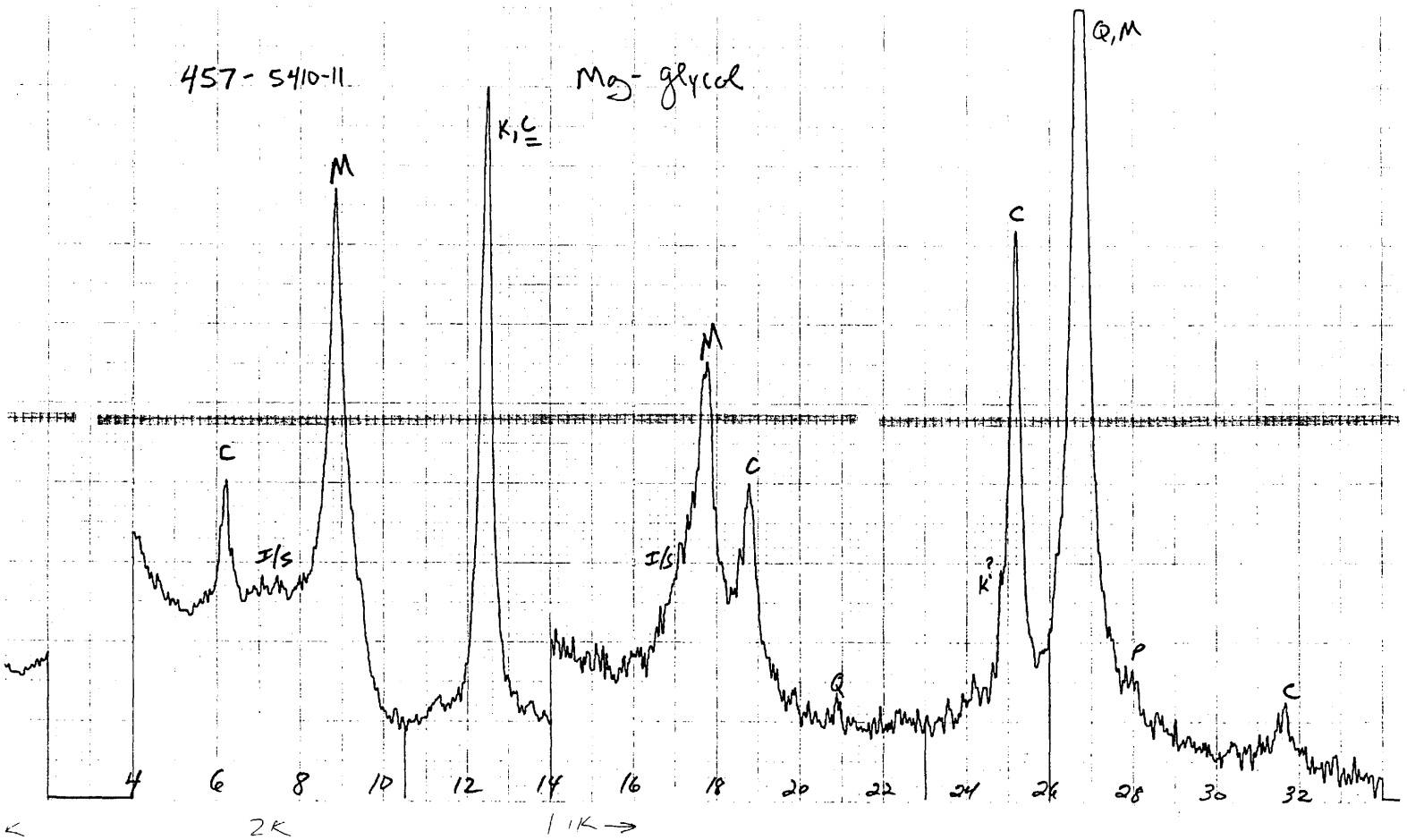
Alaska Oil & Gas Conservation Commission
MAR 1 2 1984

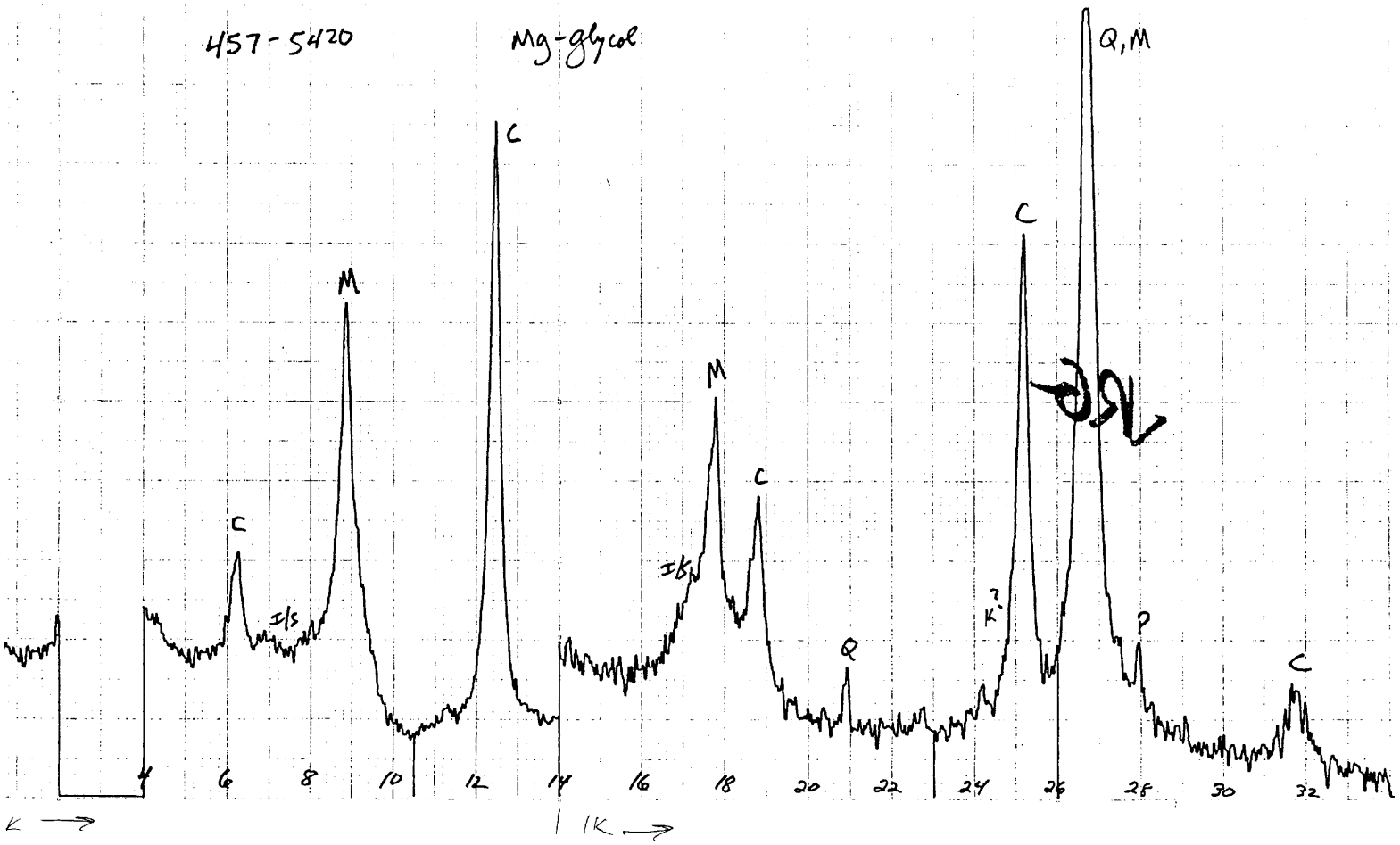

457-3037-38
Mg-glycol
K,C
M
C
I/S
M
I/S
C
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1 K →


457-3060-61
Mg-glycol
K,C
M
C
I/S
M
C
I/S
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

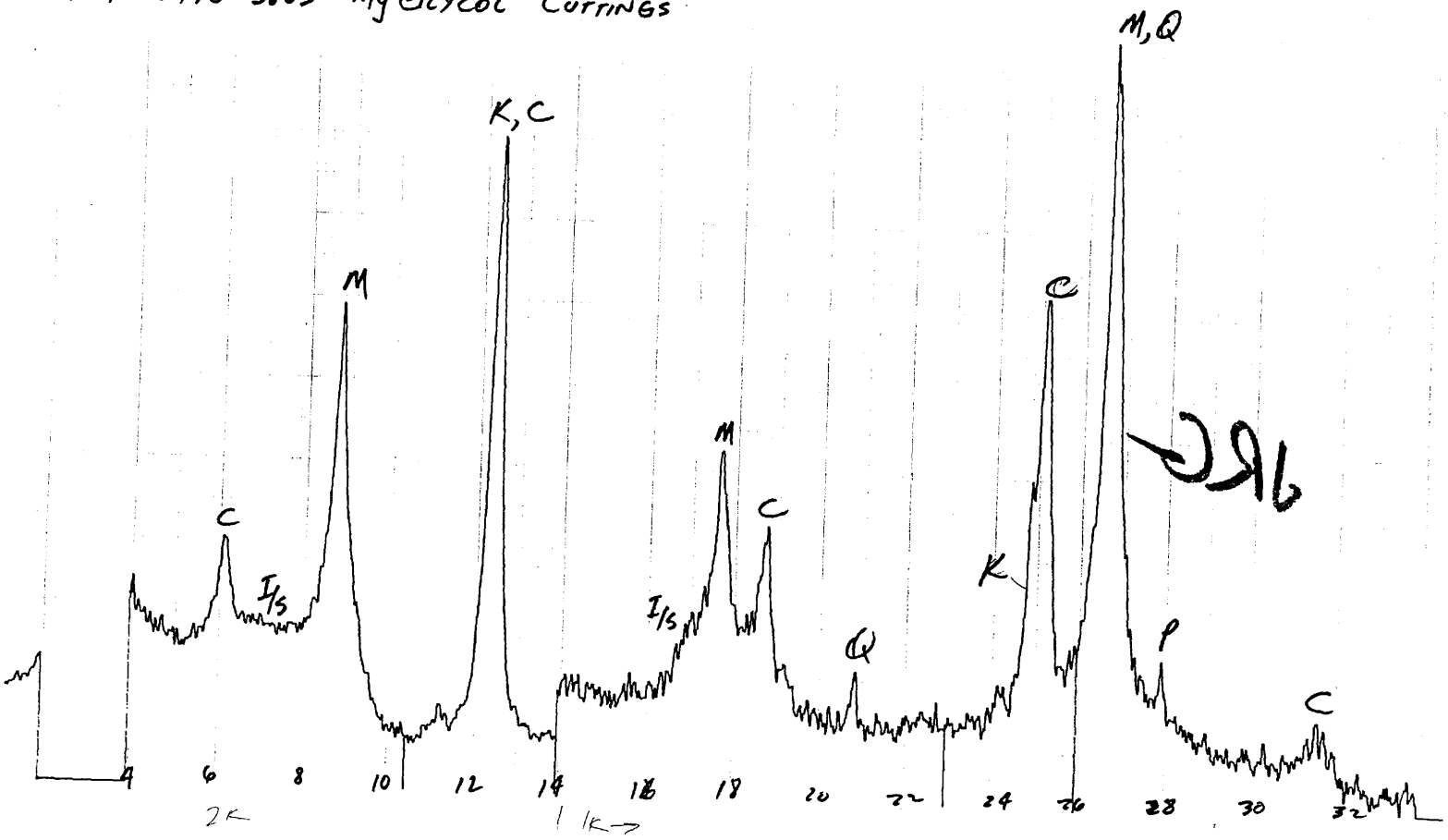

457-4278-80
Mg-glycol
K,L
M
C
I/S
M
C
I/S
Q
C
K
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
2K
11K

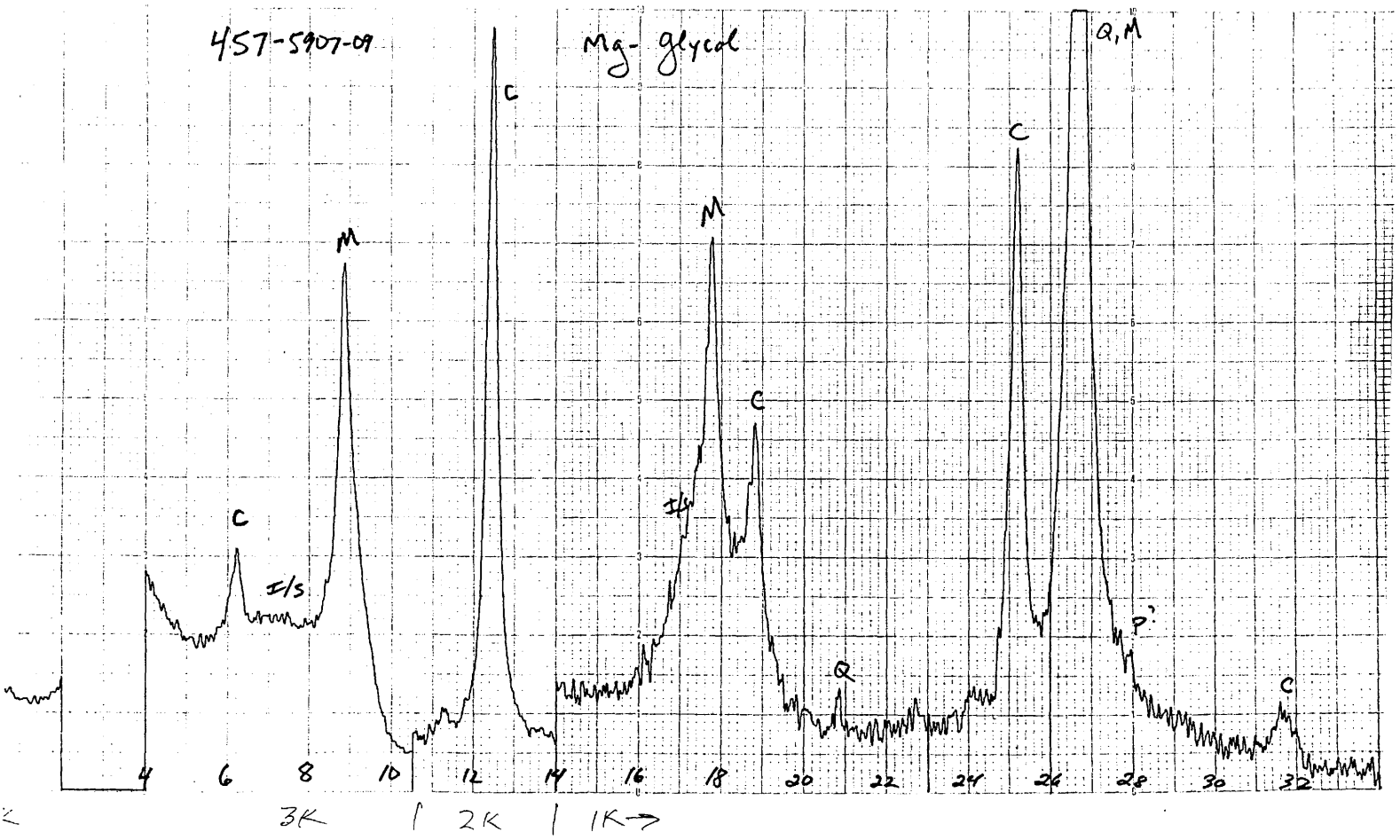

457-4292
Mg- glycol
K,L
M
C
I/S
M
C
I/S
Q
C
K
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K
2K
1K

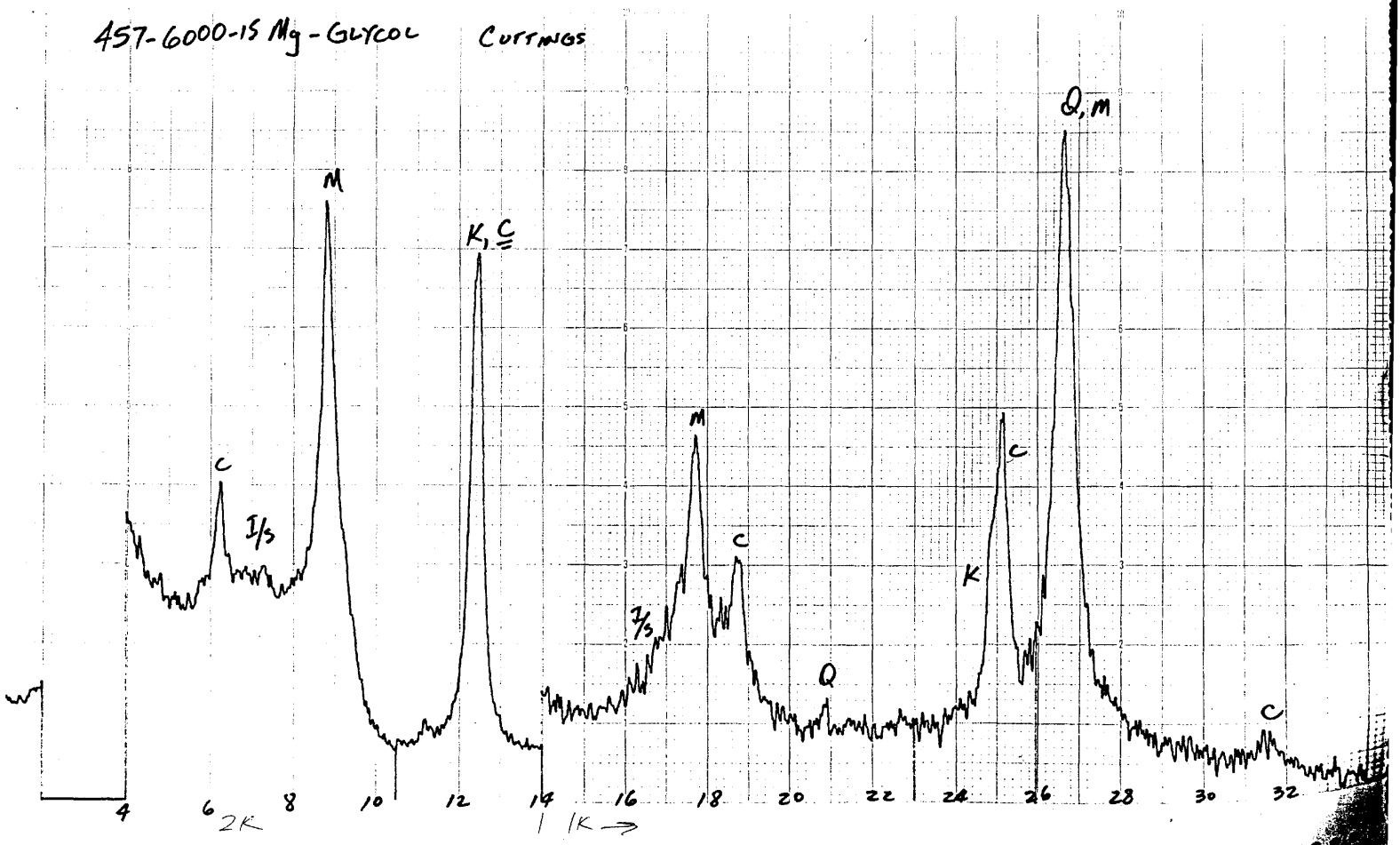

457-5410-11
Mg-glycol
K,C
M
C
I/S
M
C
I/S
Q
C
K?
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
11K

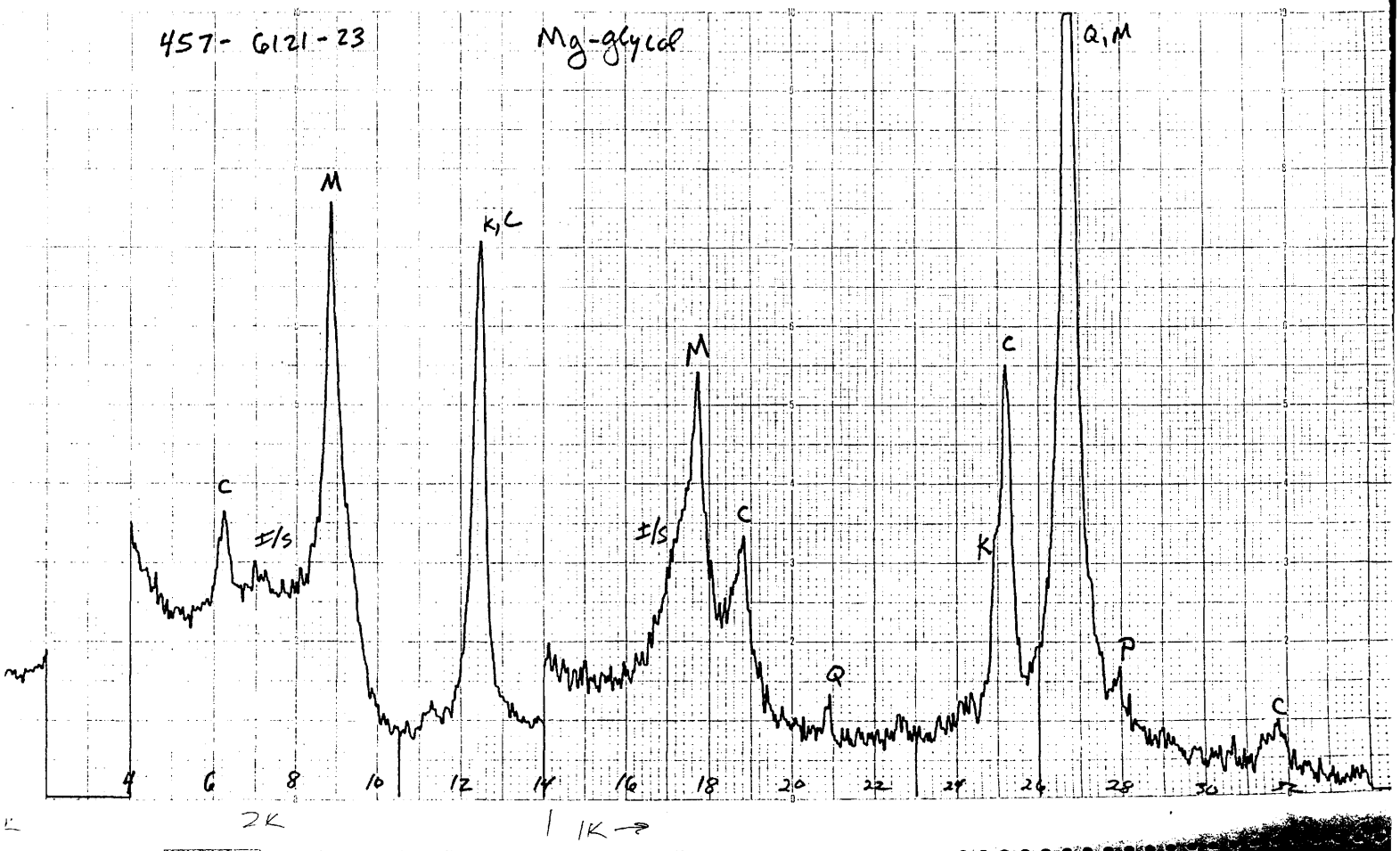

457-5420
Mg-glycol
Q,M
C
M
C
C
M
C
I/S
I/K
Q
K?
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K →
K →

457-5790-5805 Mg Glycol Cuttings

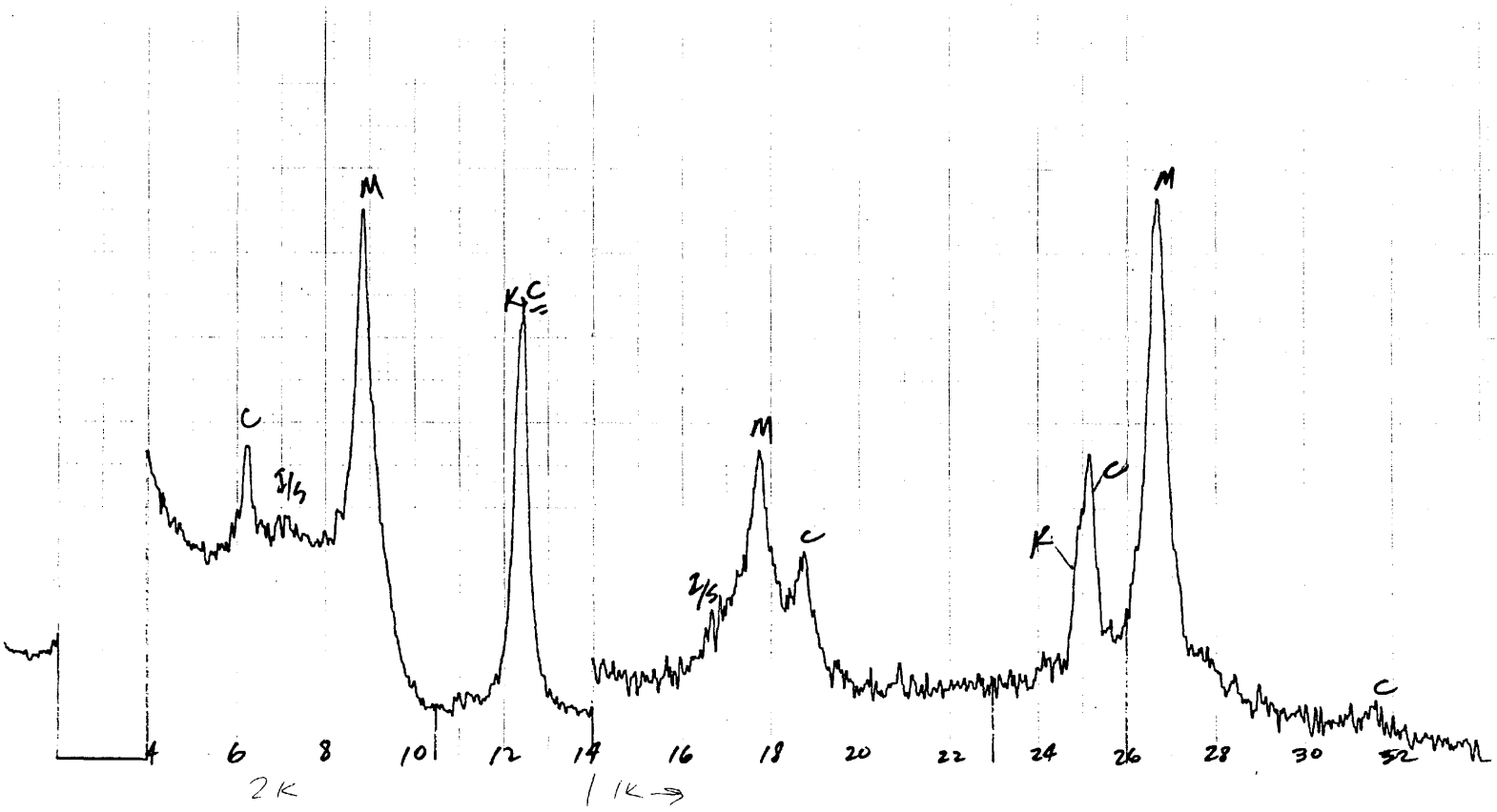



457-5907-09
Mg- glycol
C
M
C
I/s
C
M
C
I/s
Q
C
Q, M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
2K
1K

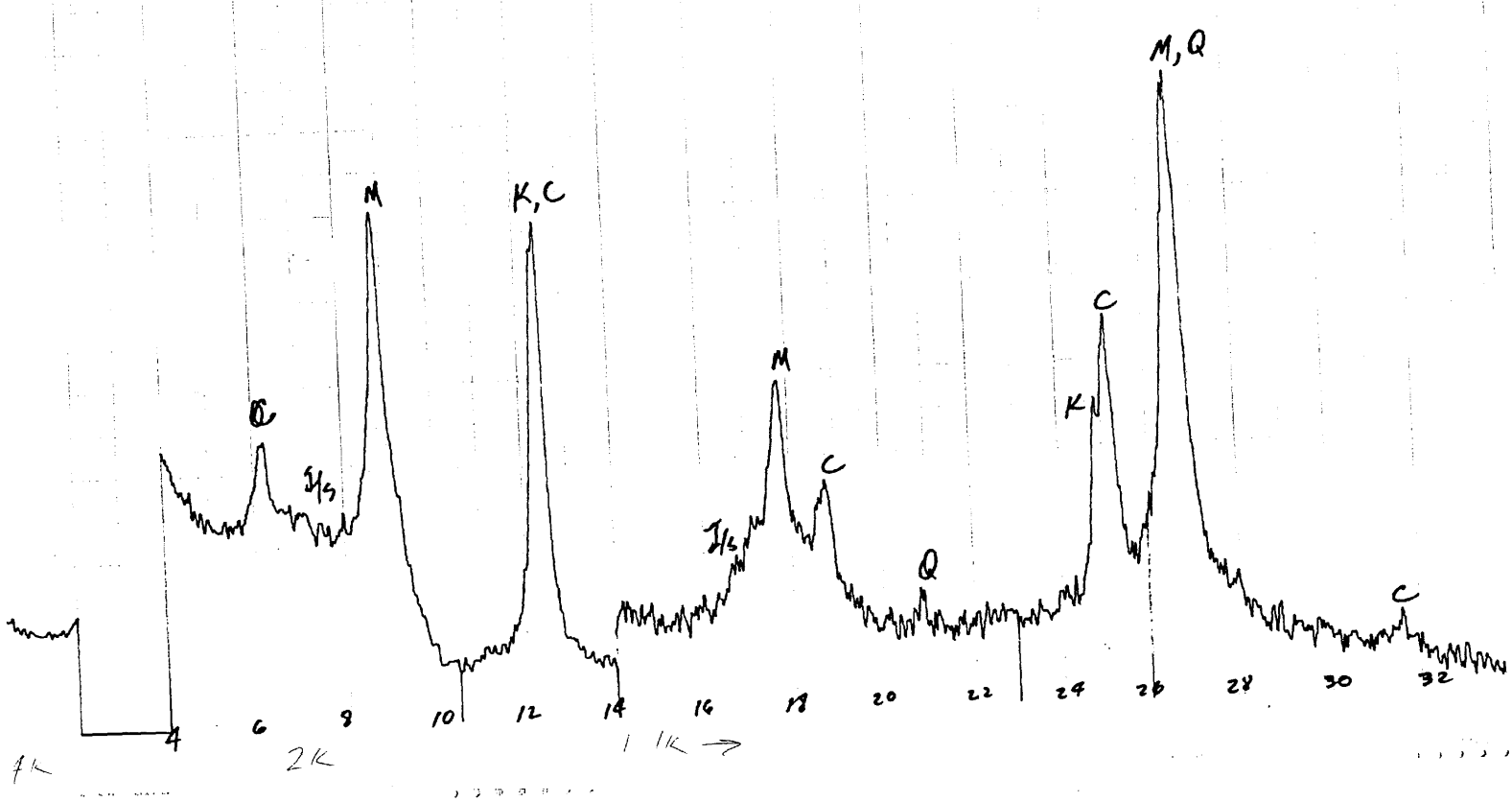

457-6000-15 Mg-GLYCOL CUTTINGS
C
I/S
M
K, C
I/S
M
C
Q
K
C
Q, M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K →


457- 6121-23
Mg-glycol
M
K,C
C
I/S
M
I/S
C
Q
C
K
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
2K
1K

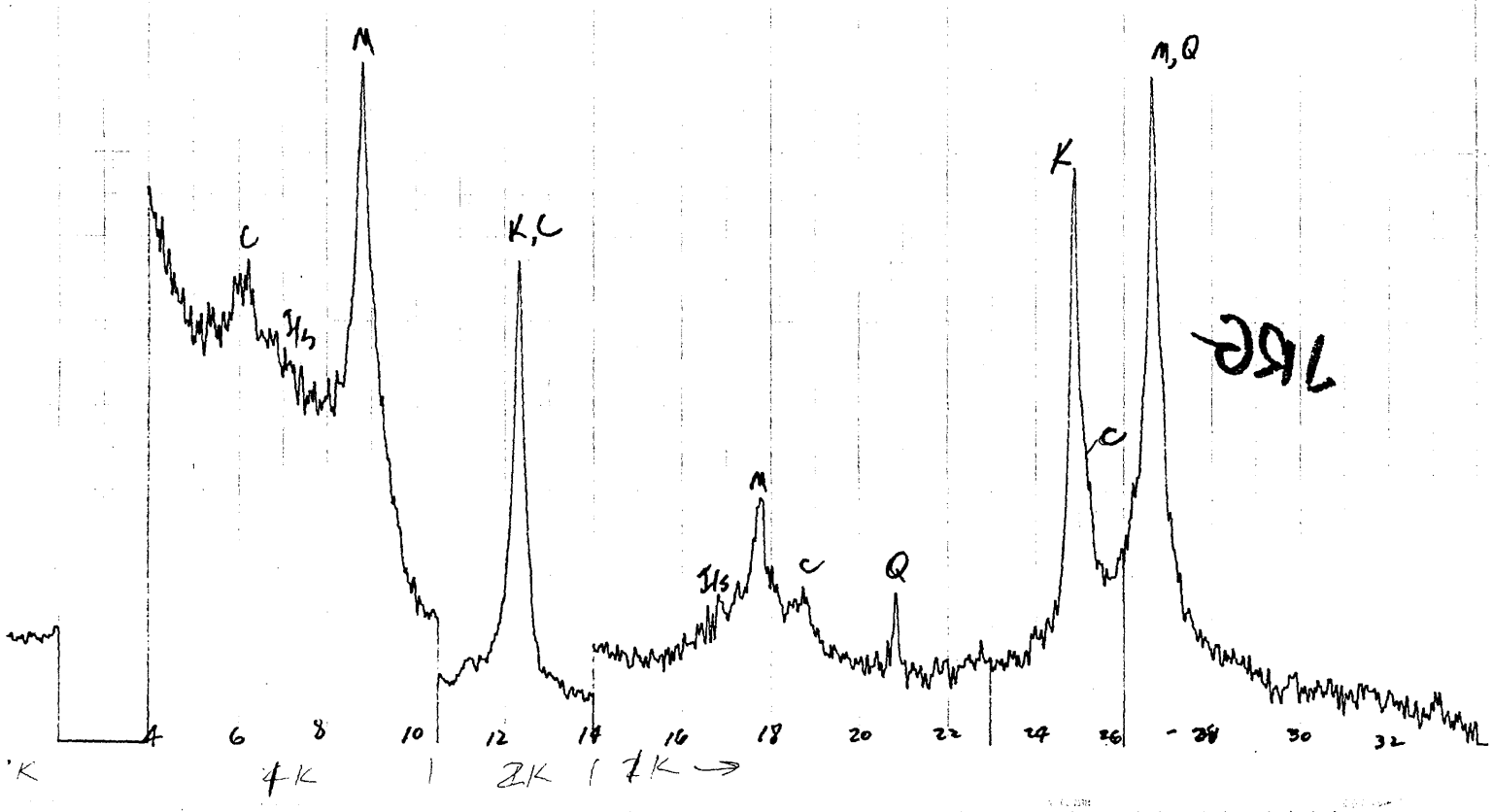
457-6195 Mg-GLYCOL CUTTINGS



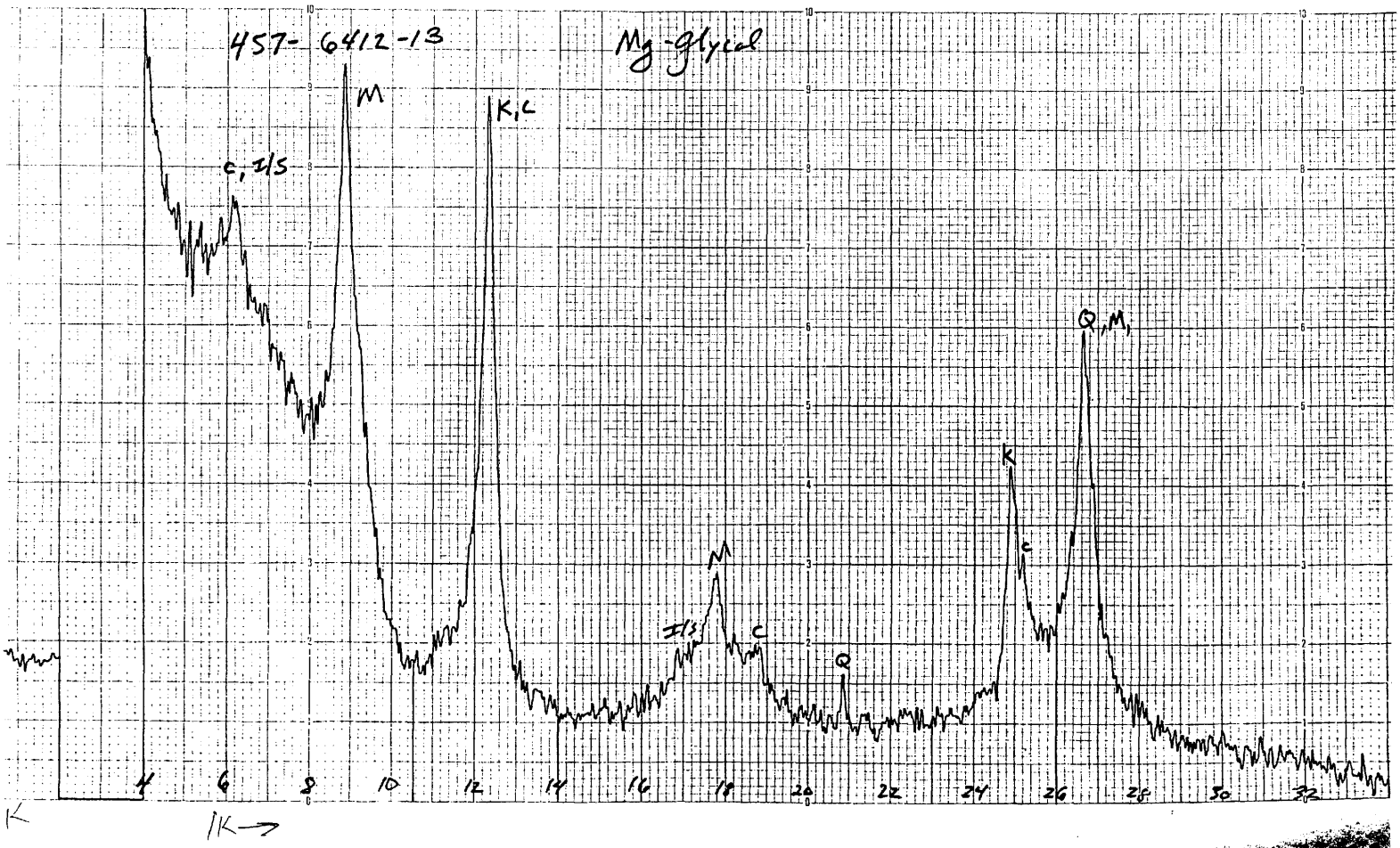
457-6390 Mg-GLYCOL CUTTINGS

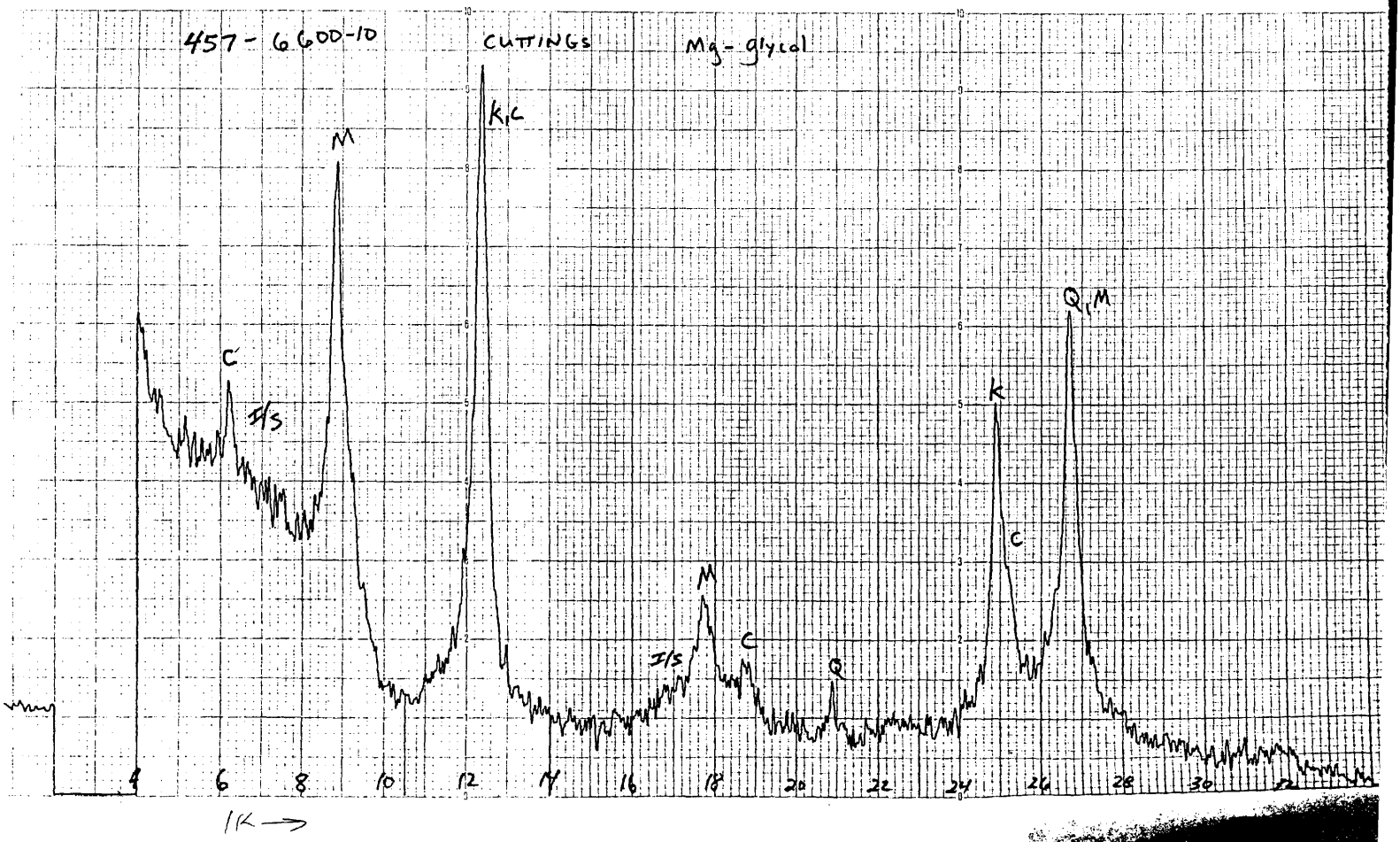


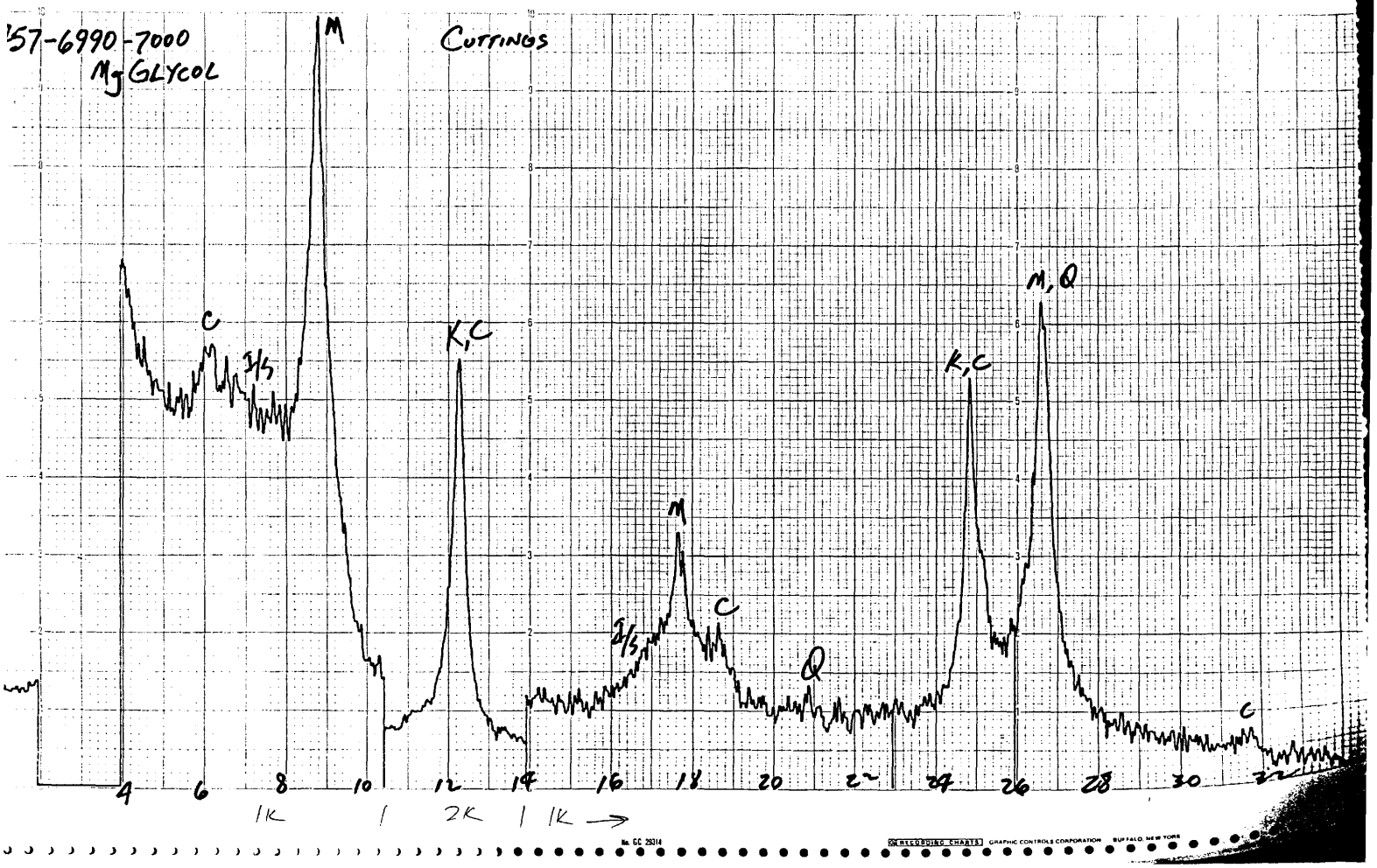
457-6405 Mg-GLYCOL CUTTINGS

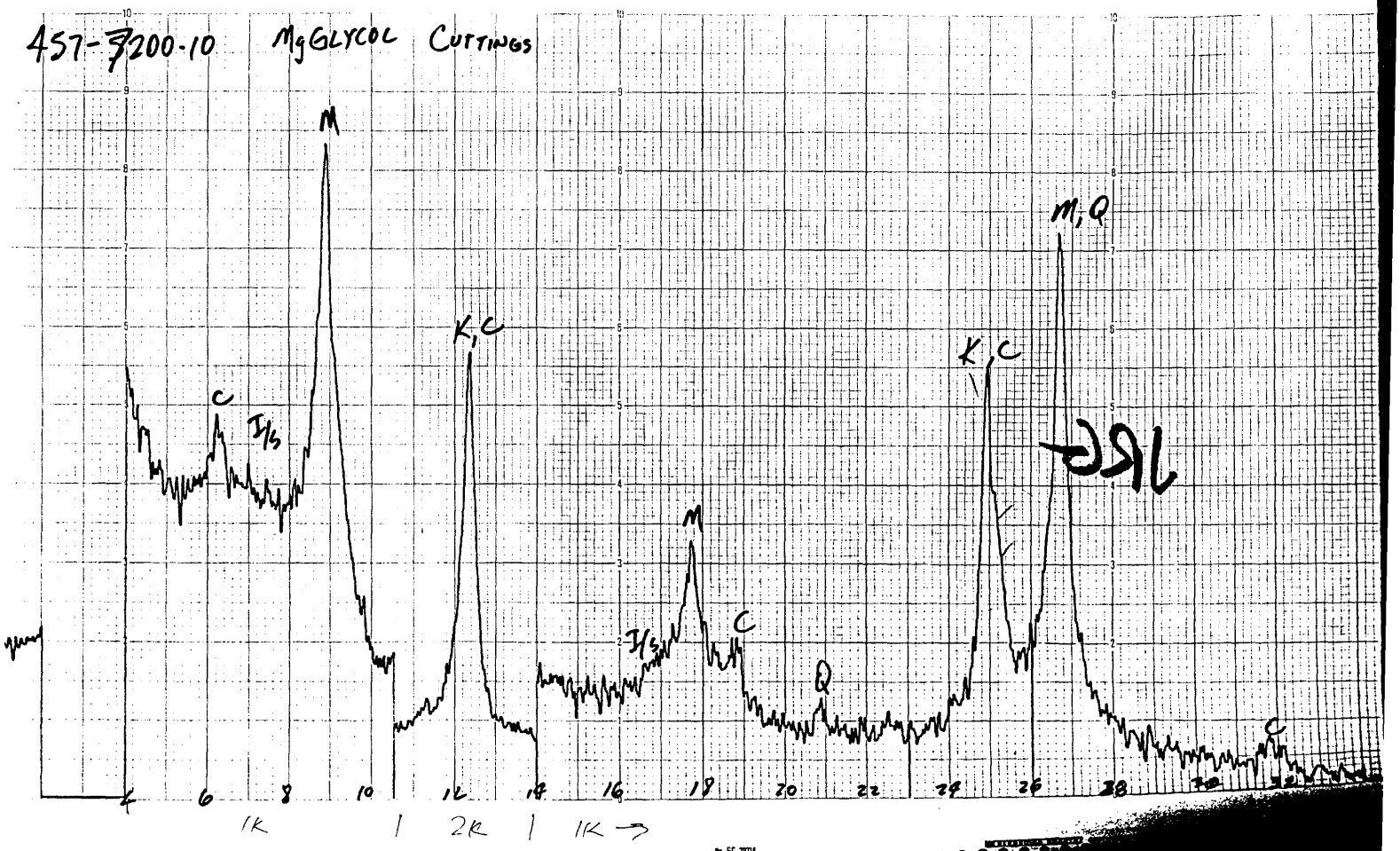


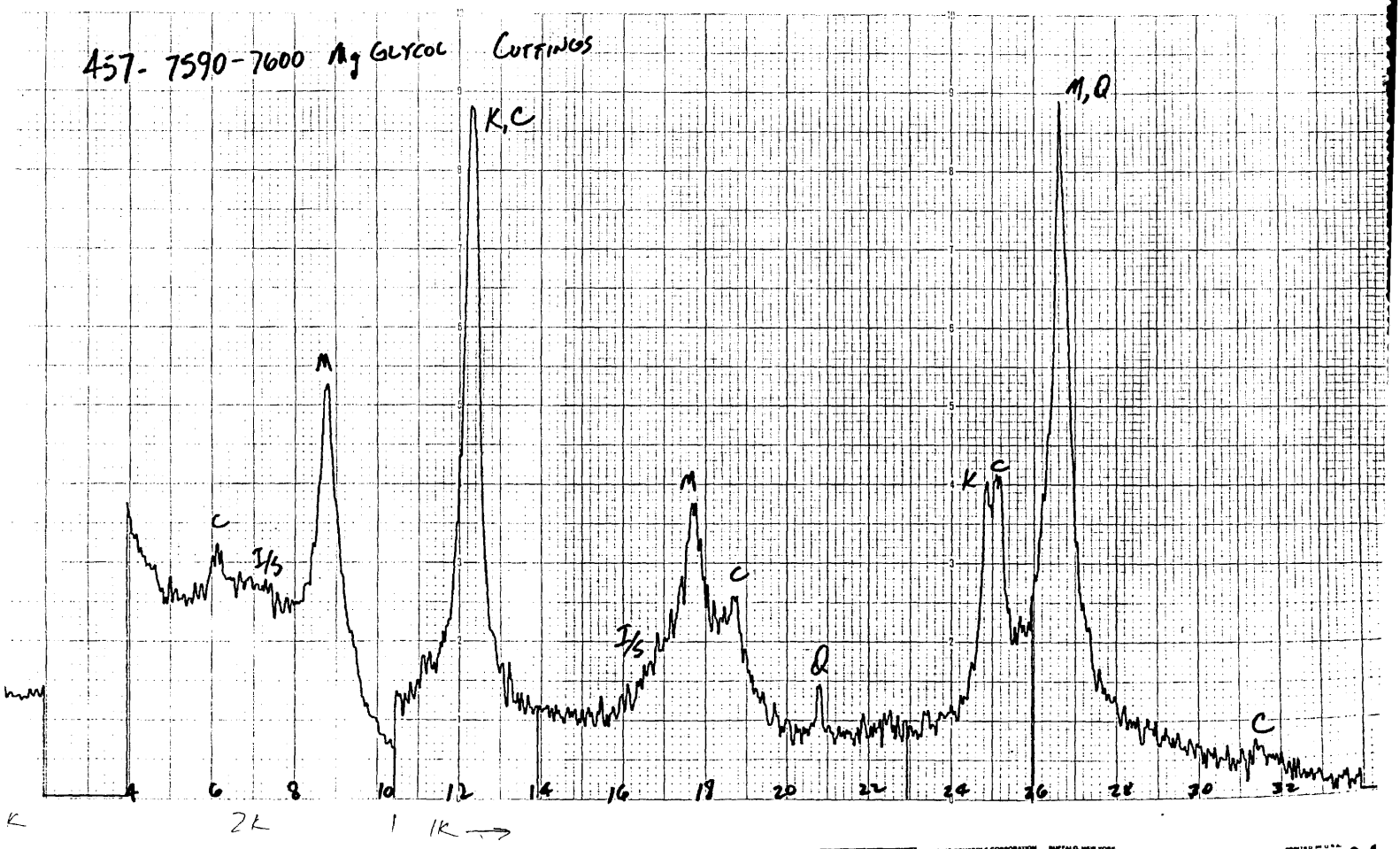
76E

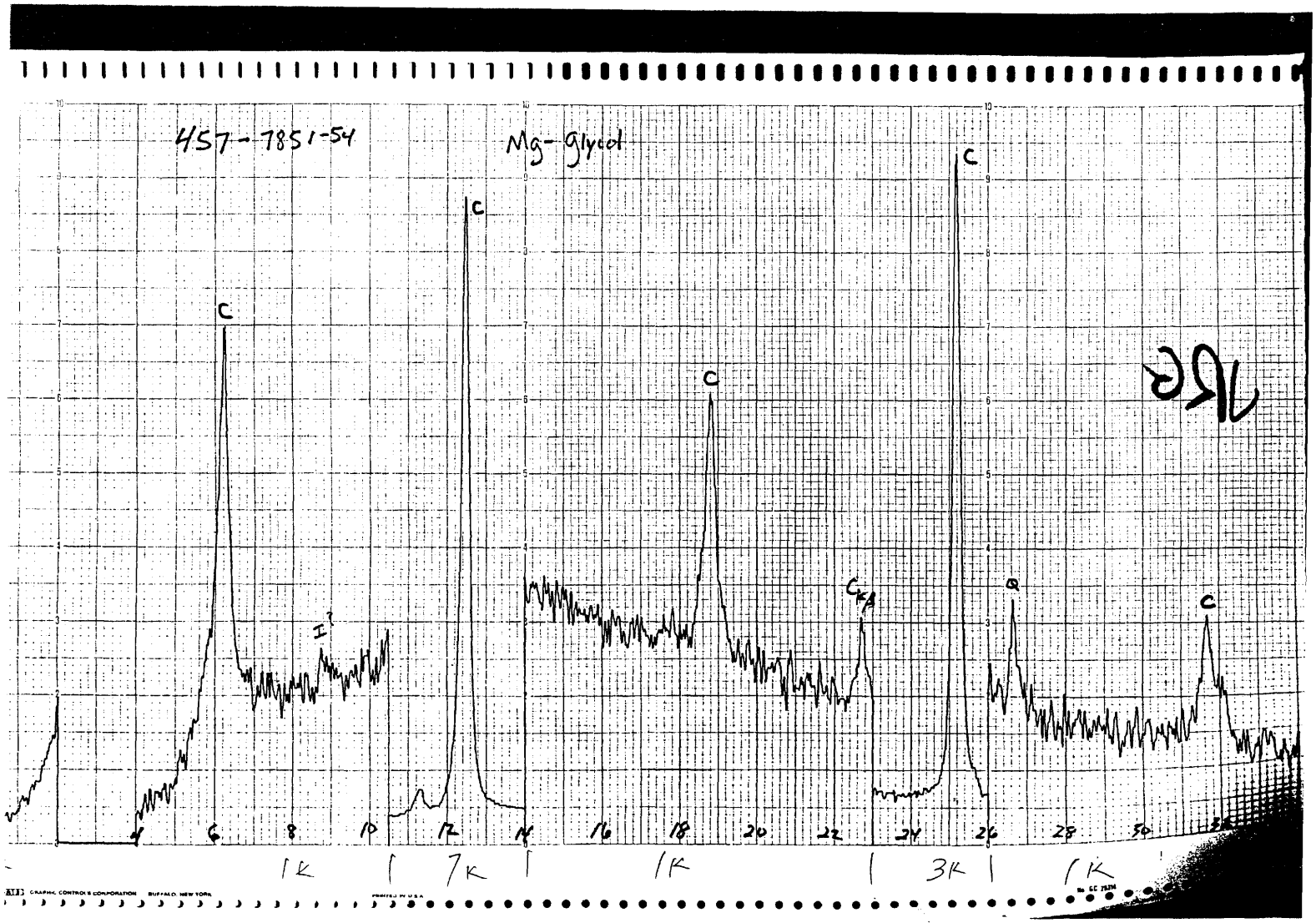

457- 6412-13
Mg-glycol
M
K,C
C, I/S
I/S
C
Q
K
C
Q, M,
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K
K

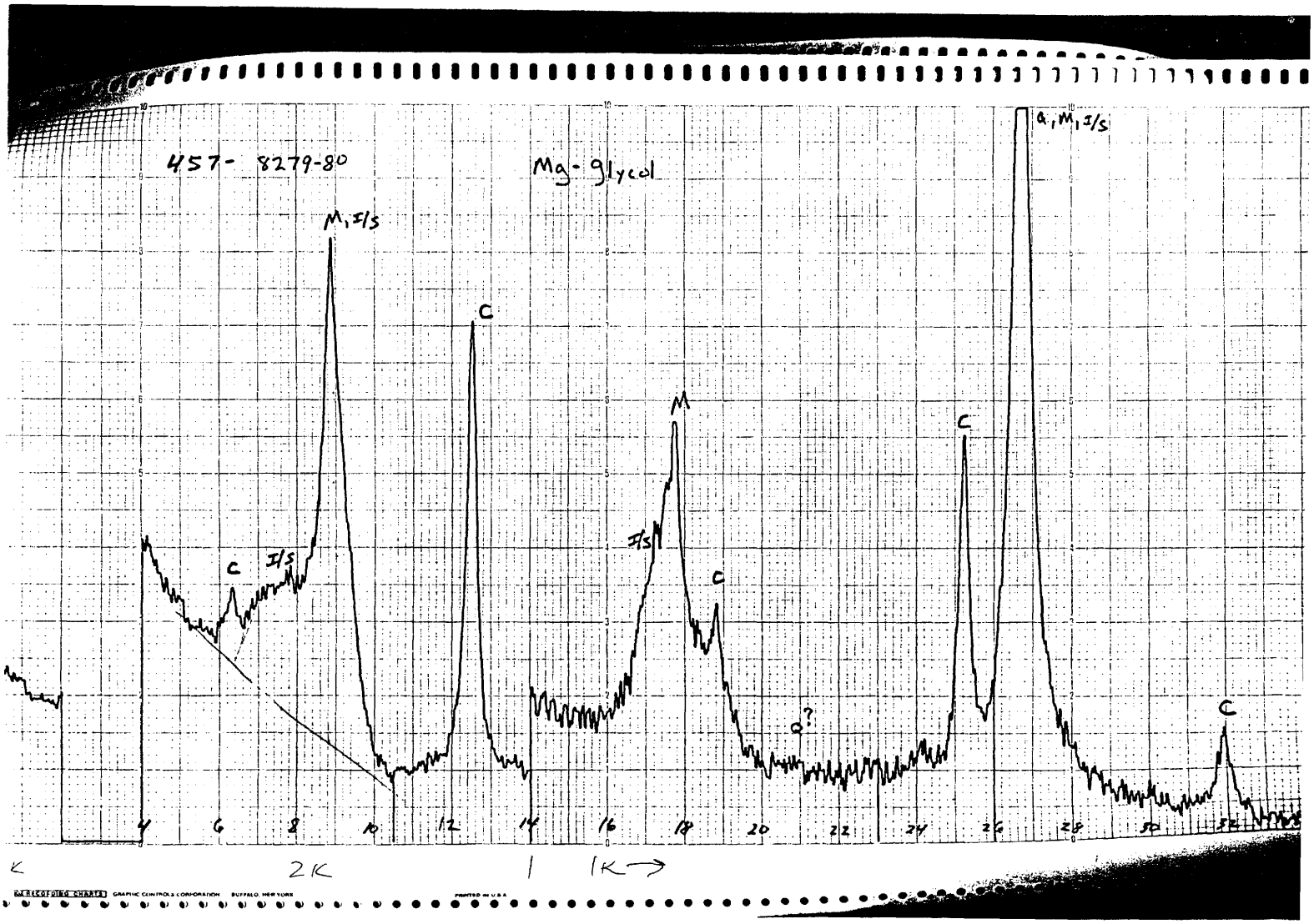

457 - 6600-10
CUTTINGS
Mg - glycol
K,C
M
C
I/S
M
I/S
C
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
1K →

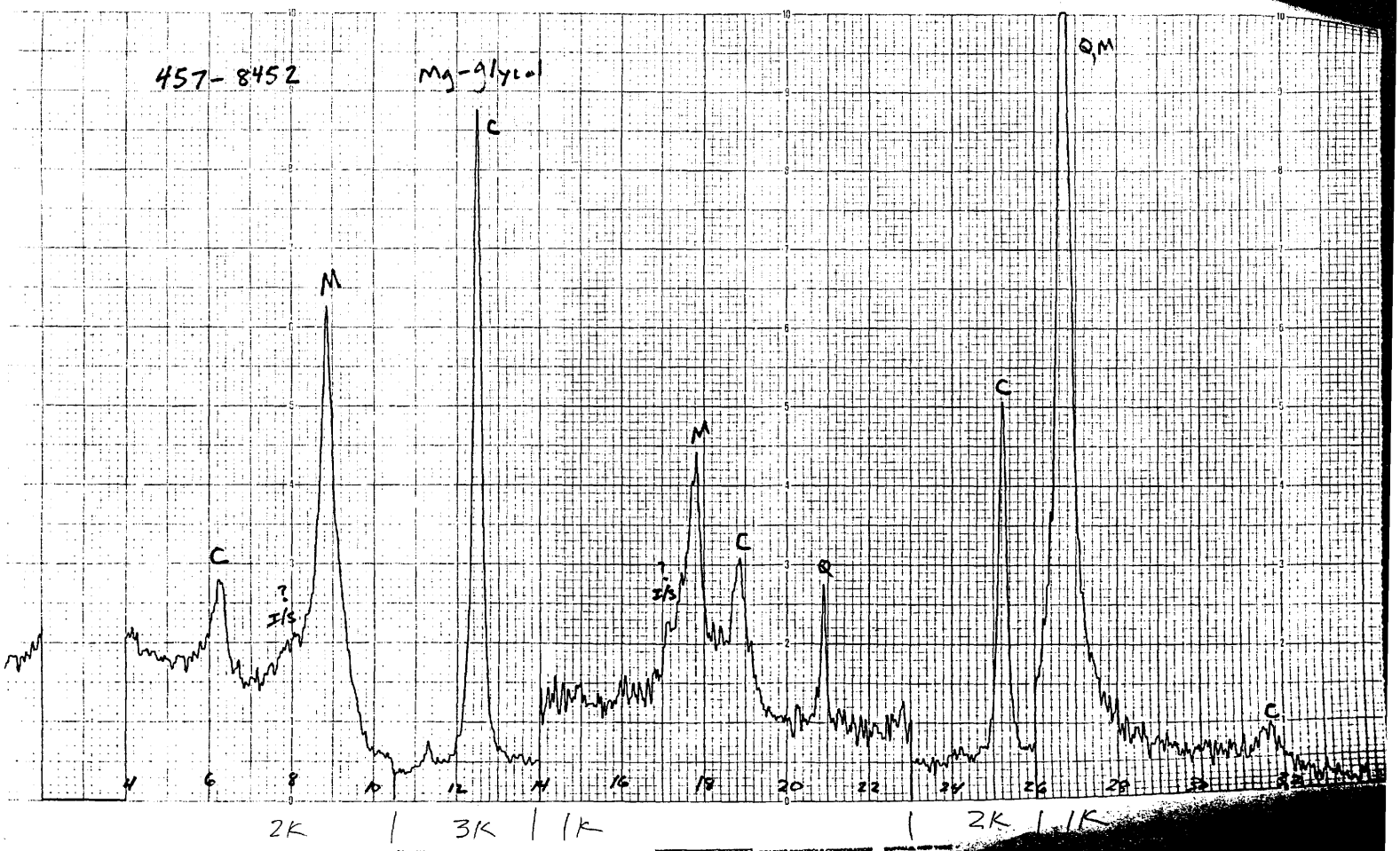

'57-6990-7000
Mg GLYCOL
CUTTINGS
M
C
I/S
K,C
M
I/S
C
Q
K,C
M,Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
1
2K
1
1K


457-7200-10 MgGLYCOL CUTTINGS
M
C
I/S
K,C
M
I/S
C
Q
K
C
M,Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K →


457- 7590-7600 Mg GLYCOL CUTTINGS
K,C
M
C
I/S
M
C
I/S
Q
K
C
M,Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K
2K
1
1K


457-7851-54
Mg-glycol
C
C
C
C
C
Q
C
H?
1K
7K
1K
3K
1K


457- 8279-80
Mg- glycol
M, I/S
C
C
I/S
M
I/S
C
Q?
C
C
Q, M, I/S
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K
2K
1
1K


457-8452
Mg-glycol
C
M
C
?
I/S
M
?
I/S
C
Q
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K
2K
1K

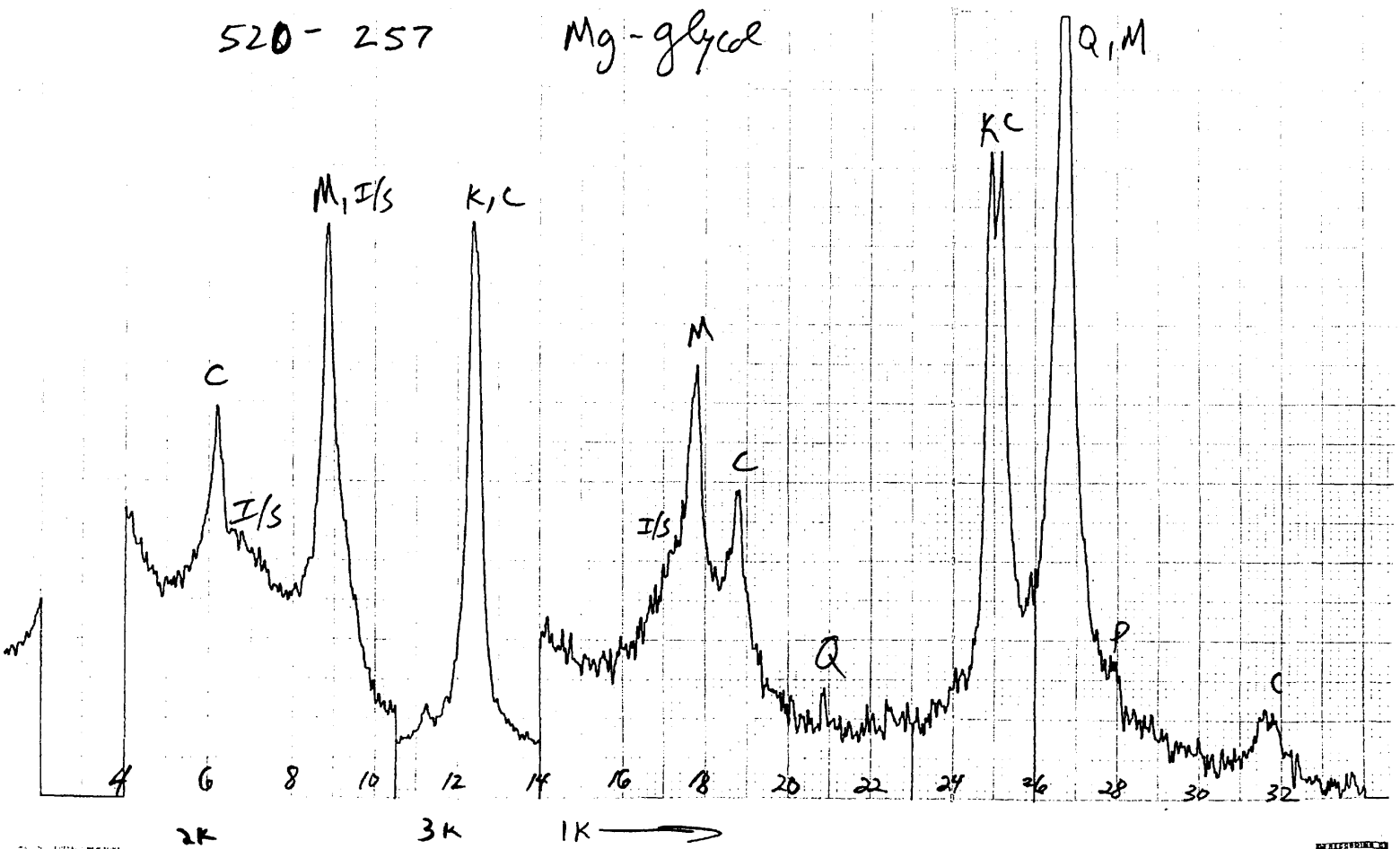
23 P

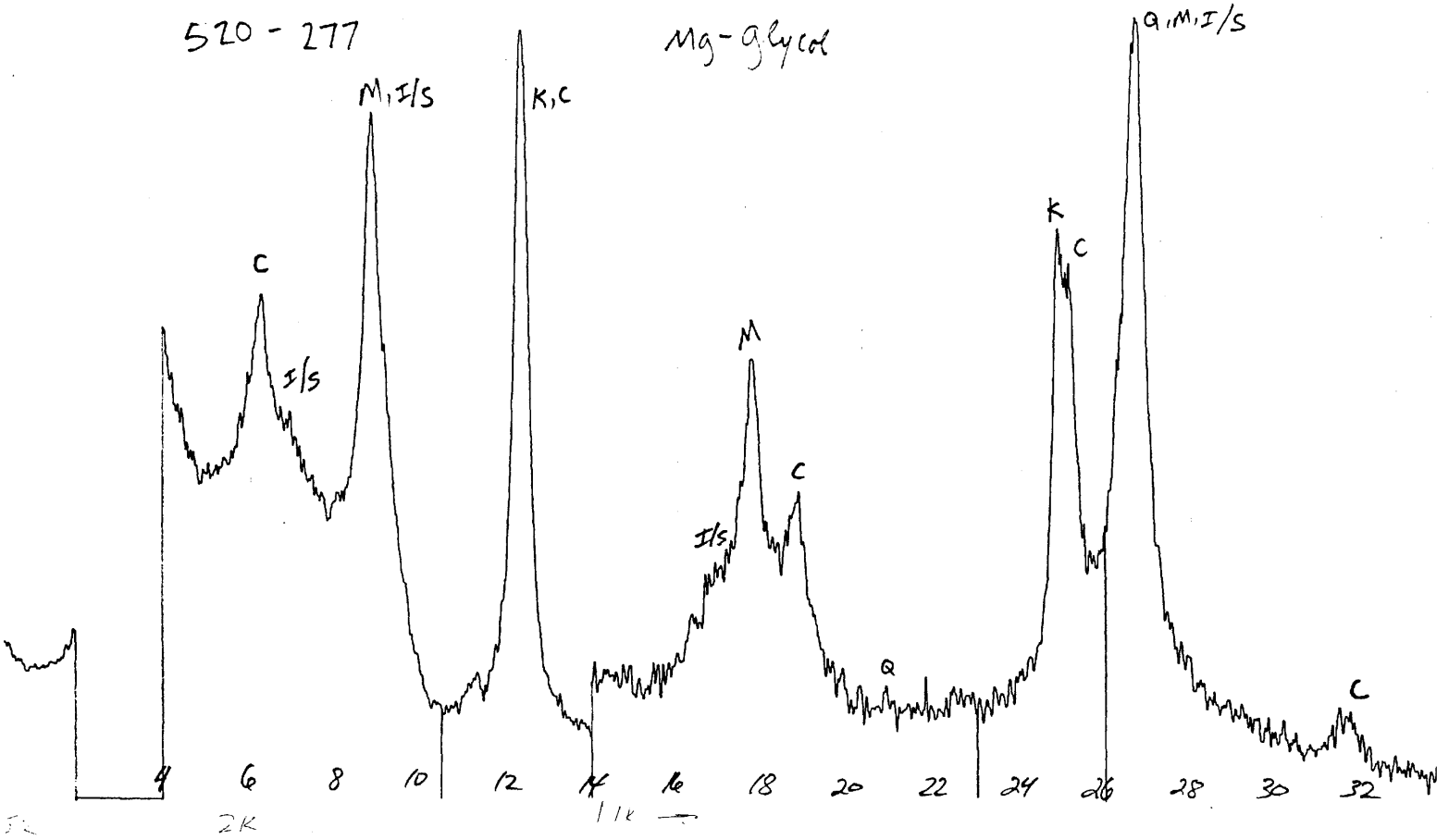
Walakpa No.1 (St. No. 520)

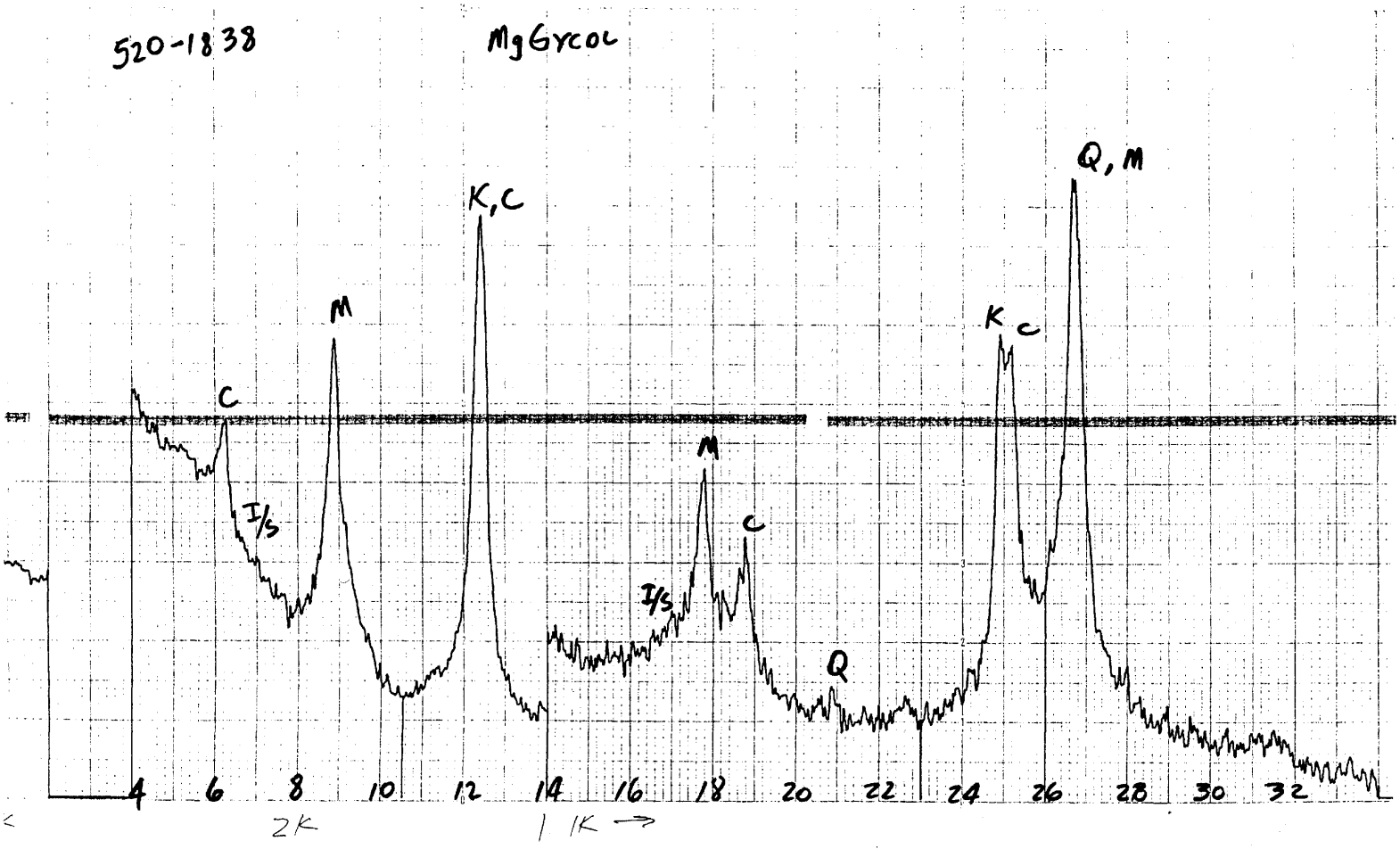
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
257	-	MIN	MOD	MOD	MOD	Q
277	-	MOD	MOD	MOD	MOD	Q
1838	-	MOD	MOD	MOD	MOD	Q1
1862	-	MOD	MOD	MOD	MOD	Q1
1981	-	MIN	MOD	MOD	MAJ	Q1
2019	-	MIN	MOD	MOD	MAJ	Q1
2039	-	MOD	MOD	MOD	MAJ	Q
2061	-	MIN	MOD	MOD	MAJ	Q
2081	-	MOD	MOD	MOD	MOD	Q
2104	-	MAJ	MOD	MIN	MOD	Q
2220-40	-	MOD	MOD	MOD	MAJ	Q,CUTTINGS
2430-50	-	MOD	MOD	MOD	MOD	Q,CUTTINGS
2620-40	-	MOD	MOD	MOD	MAJ	Q,CUTTINGS
2930-32	-	MOD	MOD	MIN	MAJ	Q
2960	-	MOD	MOD	MIN	MAJ	Q1
2987	-	MOD	MOD	MOD	MOD	Q1
3000	-	MOD	MOD	MOD	MOD	Q
3020	-	MOD	MOD	MOD	MOD	Q1
3098	-	MOD	MOD	MAJ	MOD	Q1
3373	-	MAJ	MOD	MOD	-	Q
3418	-	MAJ	MOD	MAJ	-	Q
3665	-	-	MAJ	MAJ	-	Q1

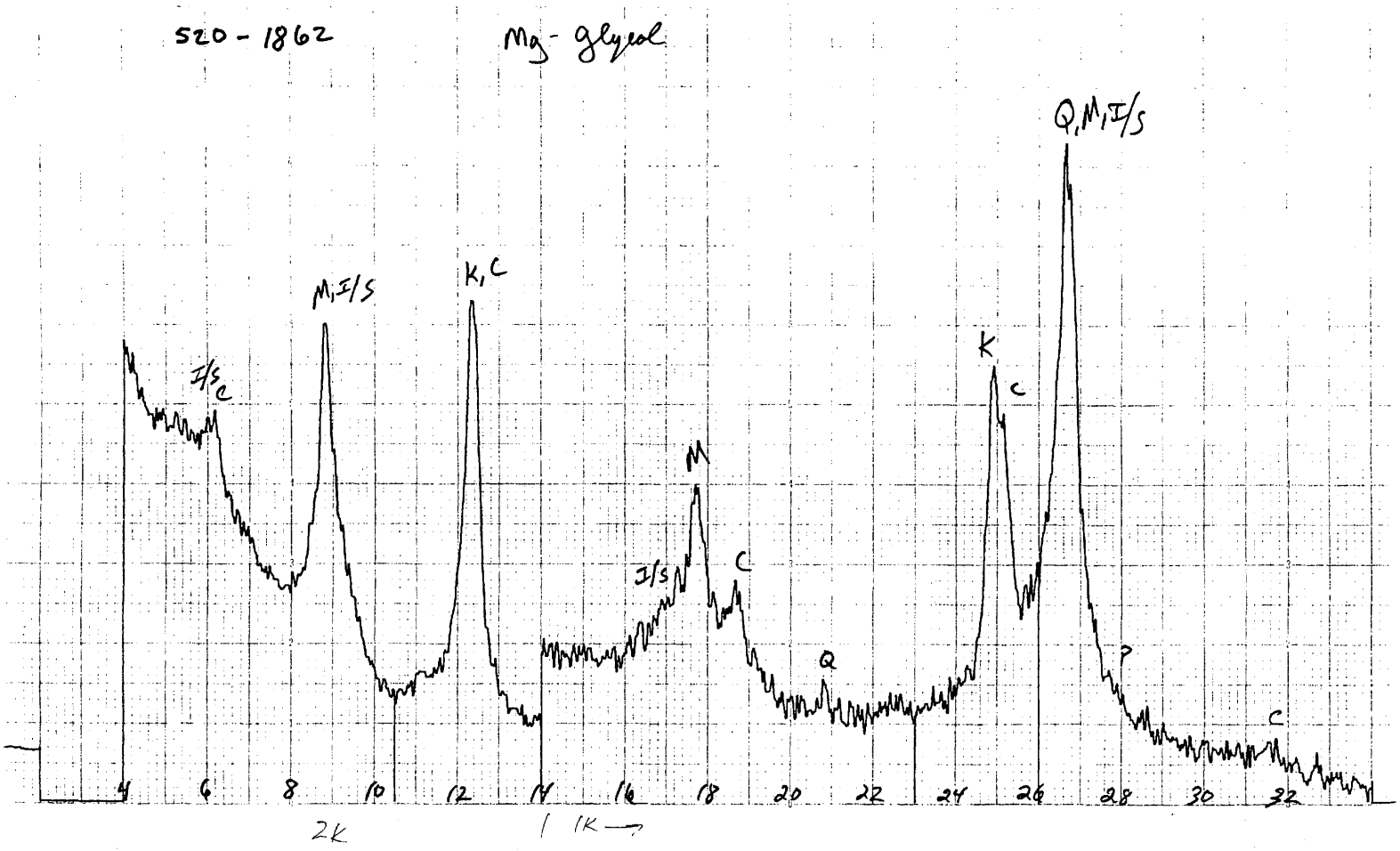
RECEIVED
MAR 12 1984
Alaska Oil & Gas Conservation Commission

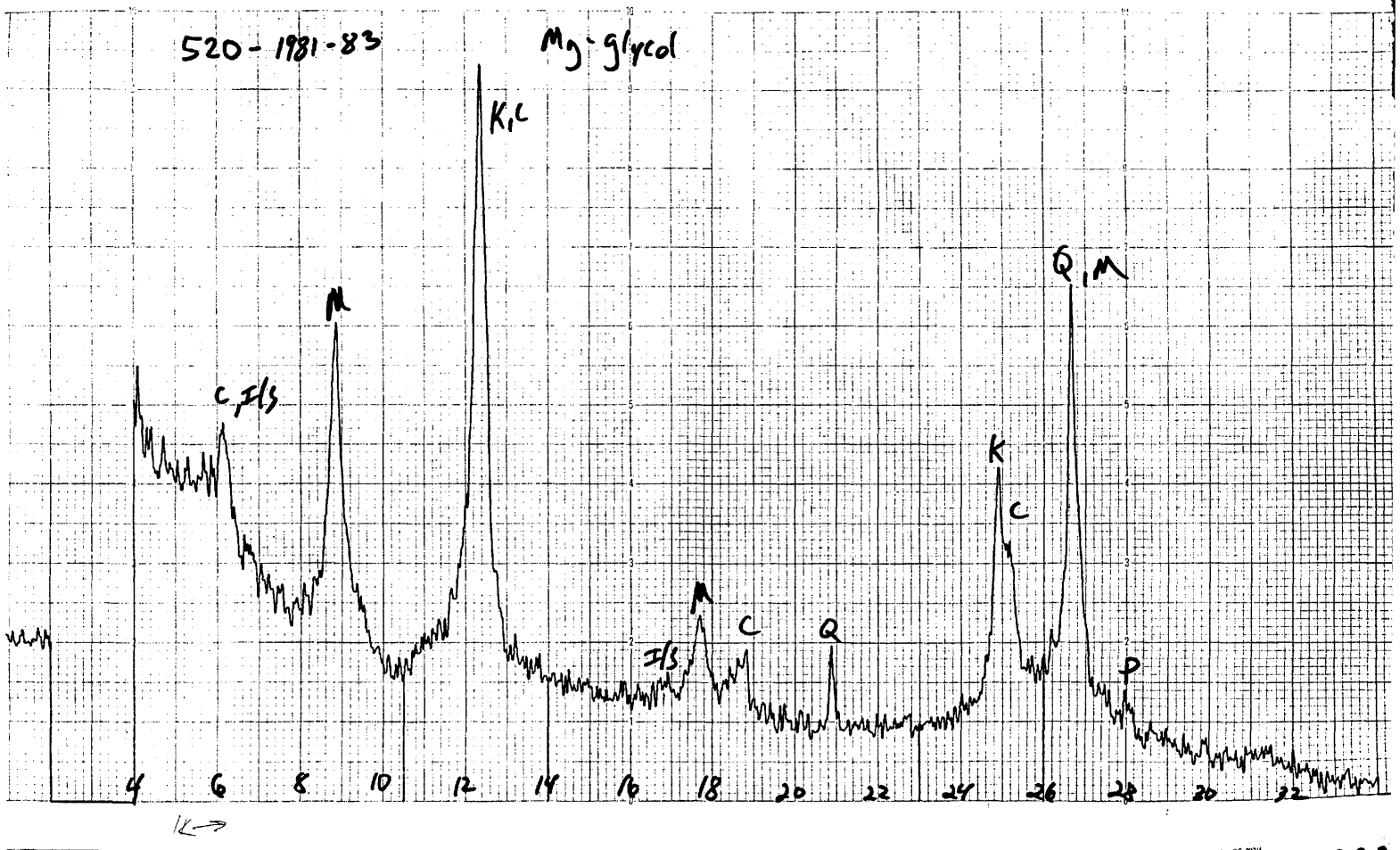
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, SID = Siderite, AP = Apatite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, DICK = Dickite. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments. 1 = weak, 2 = moderate, 3 = strong xrd peak

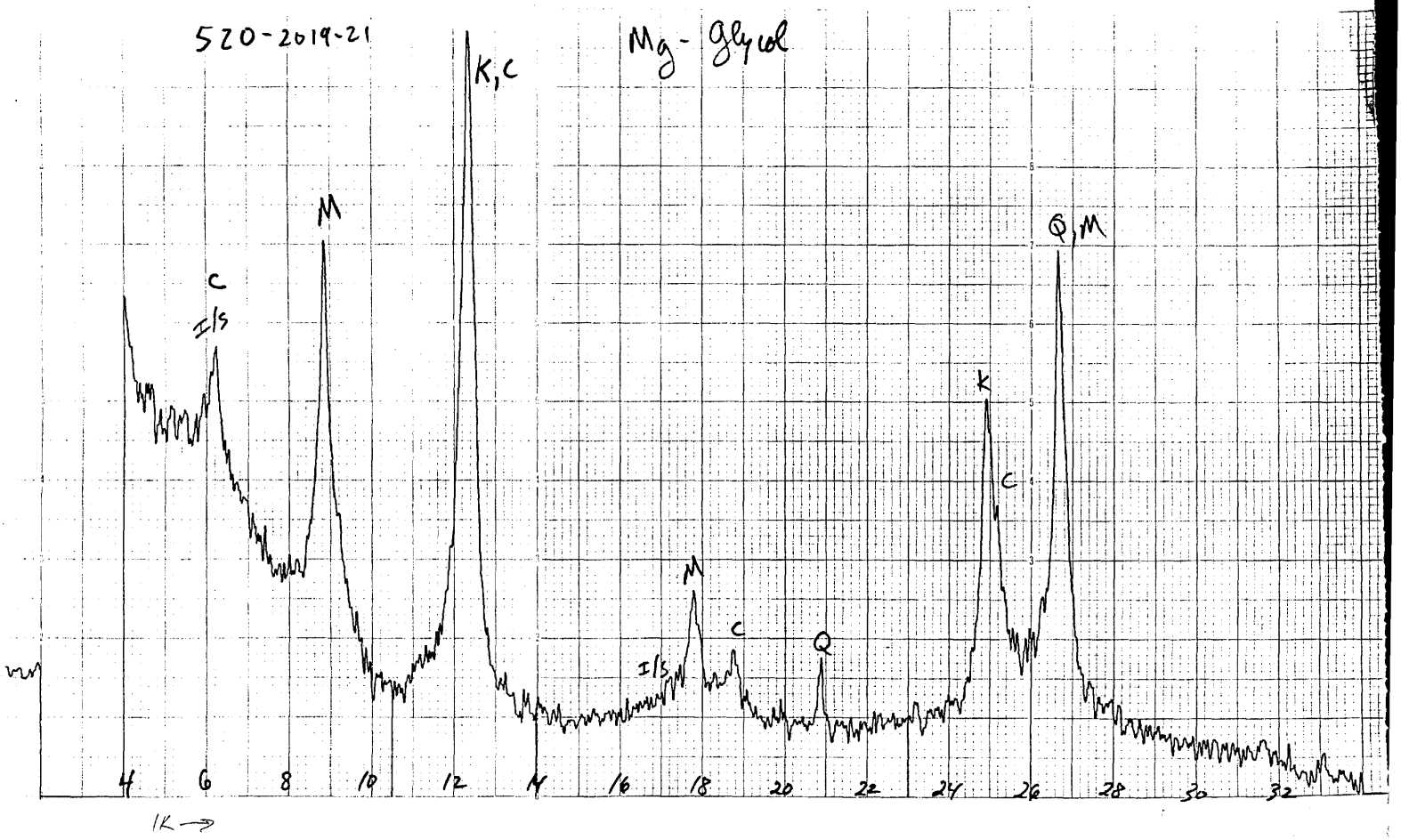

520 - 257
Mg - glycol
C
I/S
M, I/S
K, C
I/S
M
C
Q
KC
Q, M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K


520 - 277
Mg-glycol
M,I/S
K,C
C
I/S
M
C
I/S
Q
K
C
Q,M,I/S
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1/k

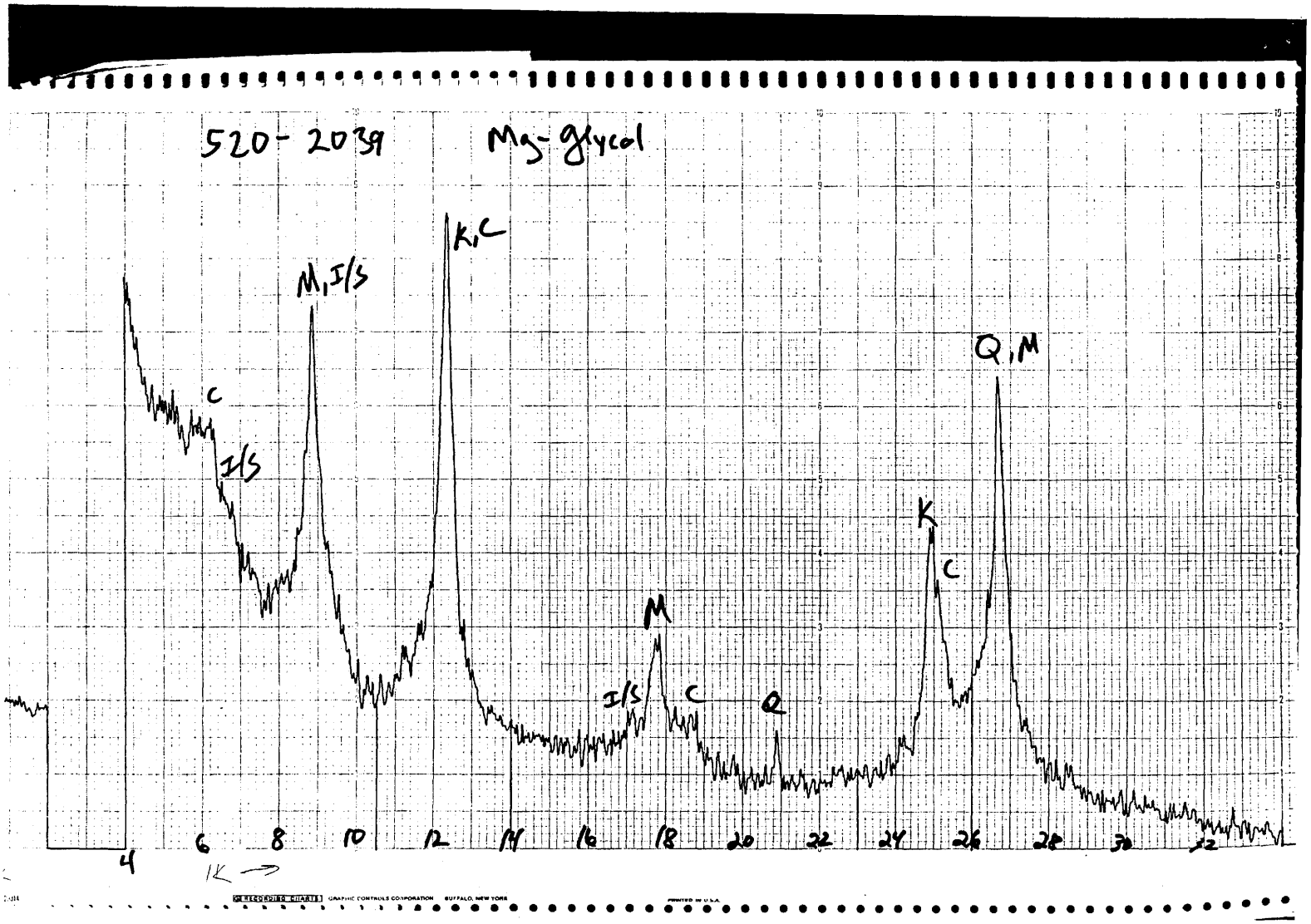

520-1838
MgGycol
K,C
M
C
I/S
M
C
I/S
Q
K
C
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K →


520 - 1862
Mg - glycol
I/S
C
M, I/S
K, C
I/S
M
C
Q
K
C
Q, M, I/S
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

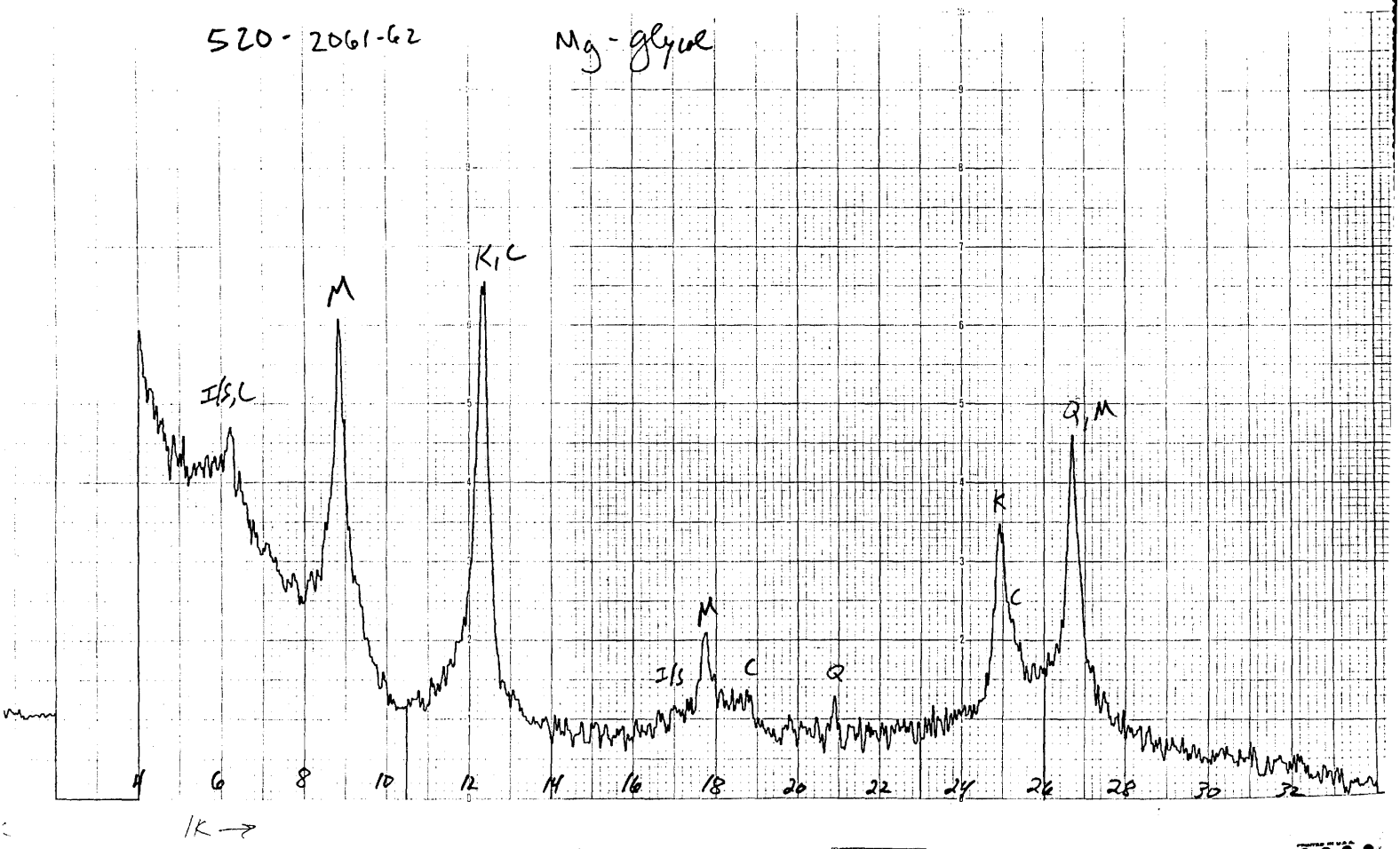

520 - 1981 - 83
Mg - glycol
K, C
M
C, I/S
M
I/S
C
Q
K
C
Q, M
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32

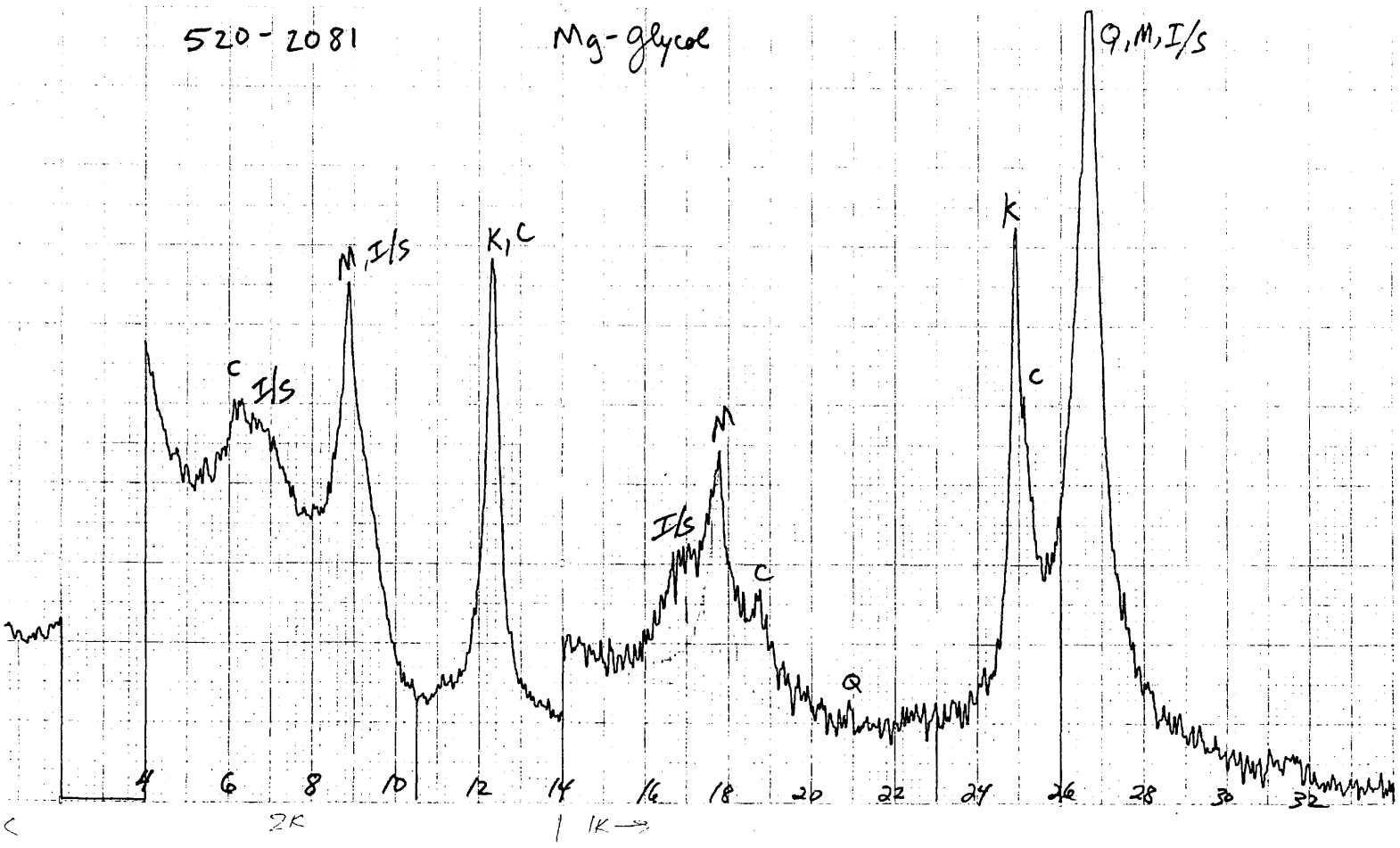


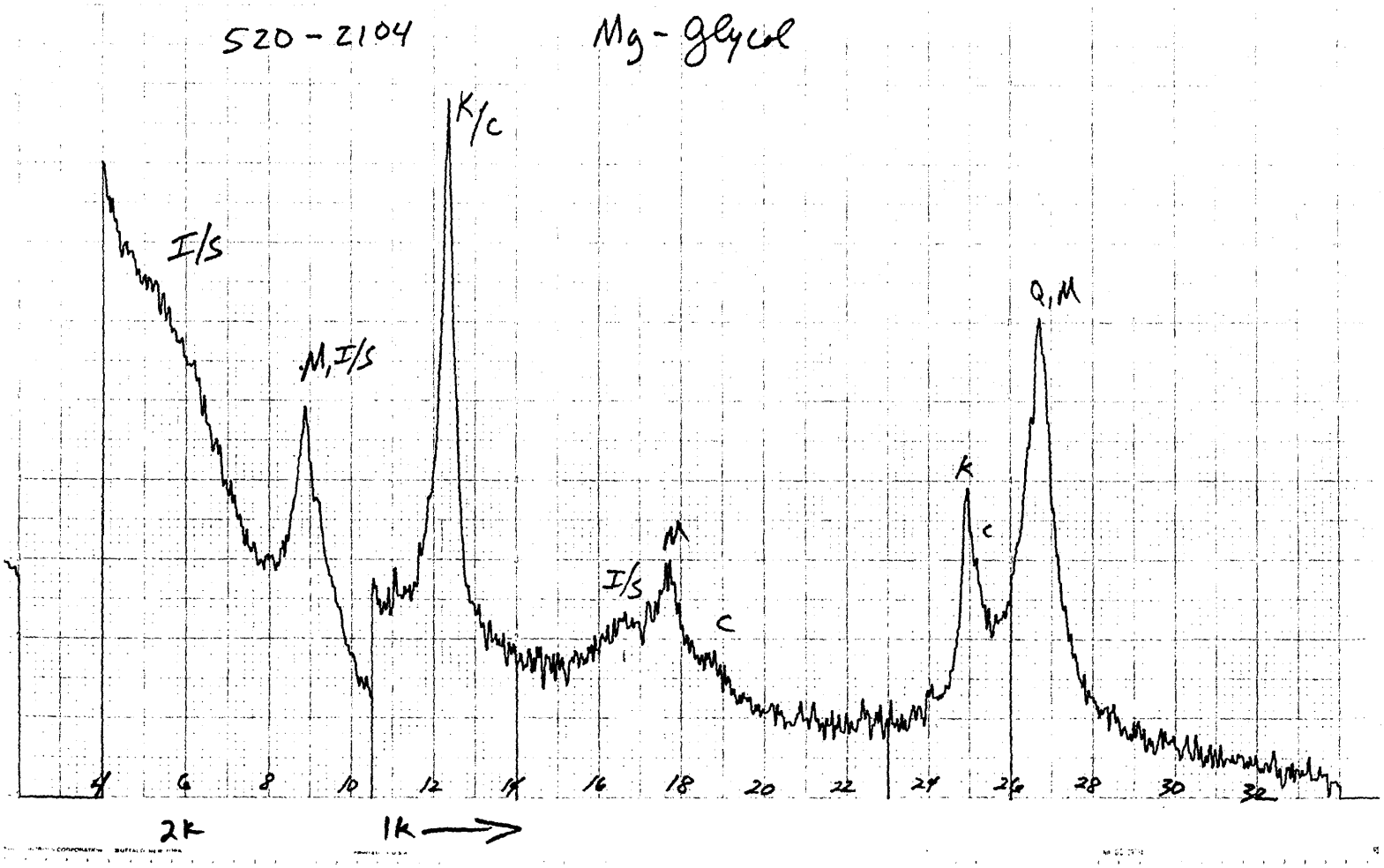
No. GC 29314 KOMPLEKSRING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

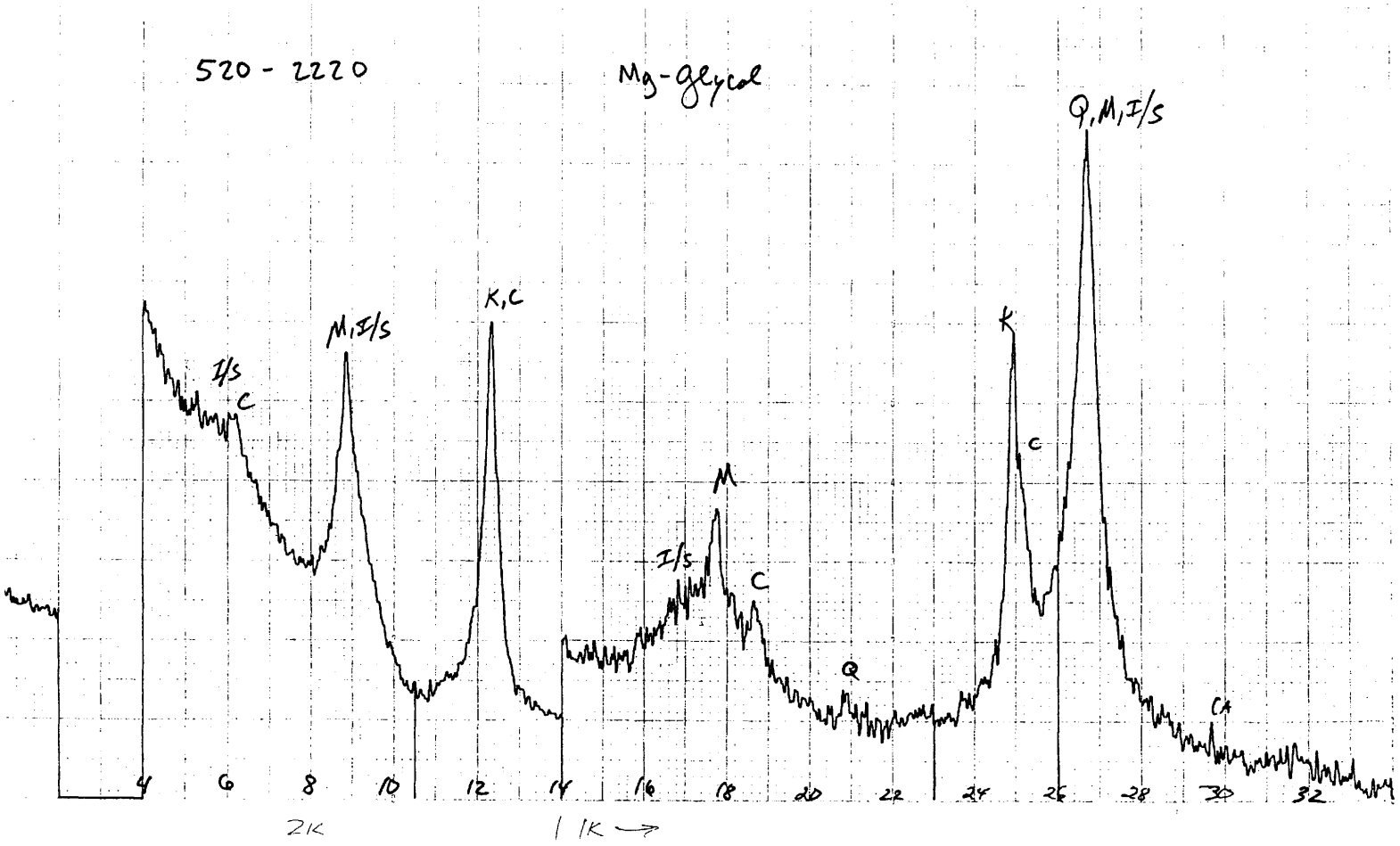


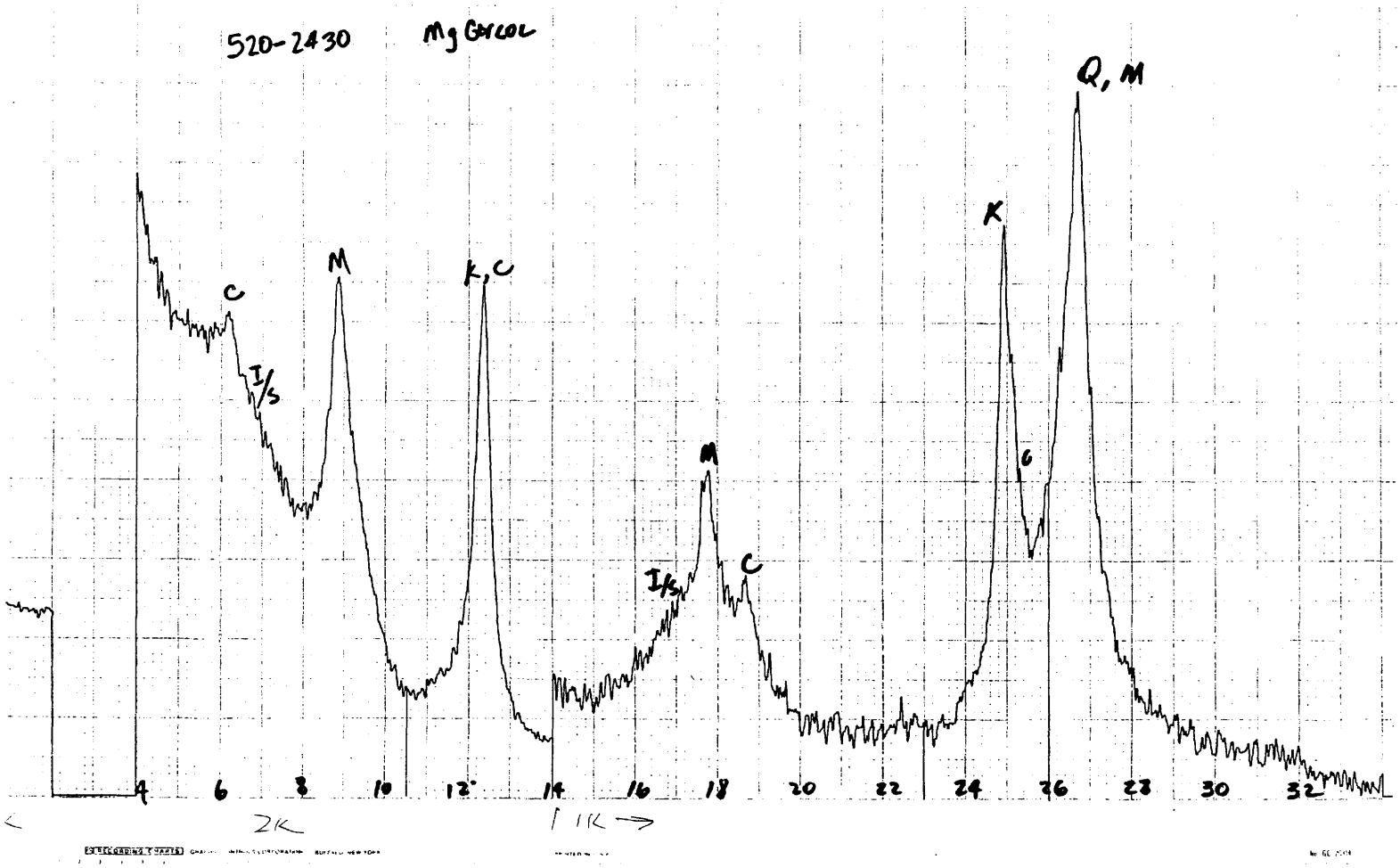
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

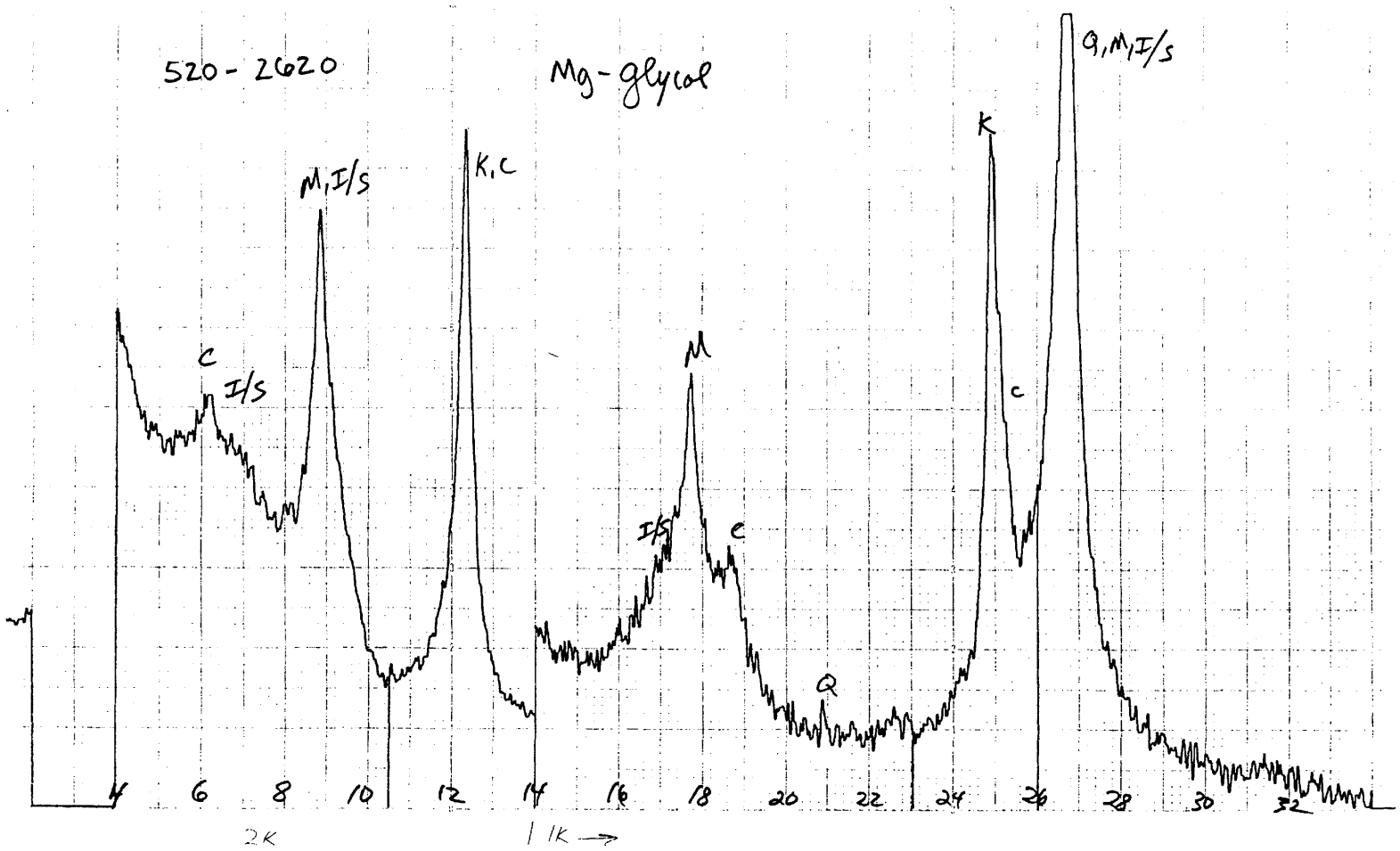

520-2061-62
Mg-glycol
I/S,C
M
K,C
I/S
M
C
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →

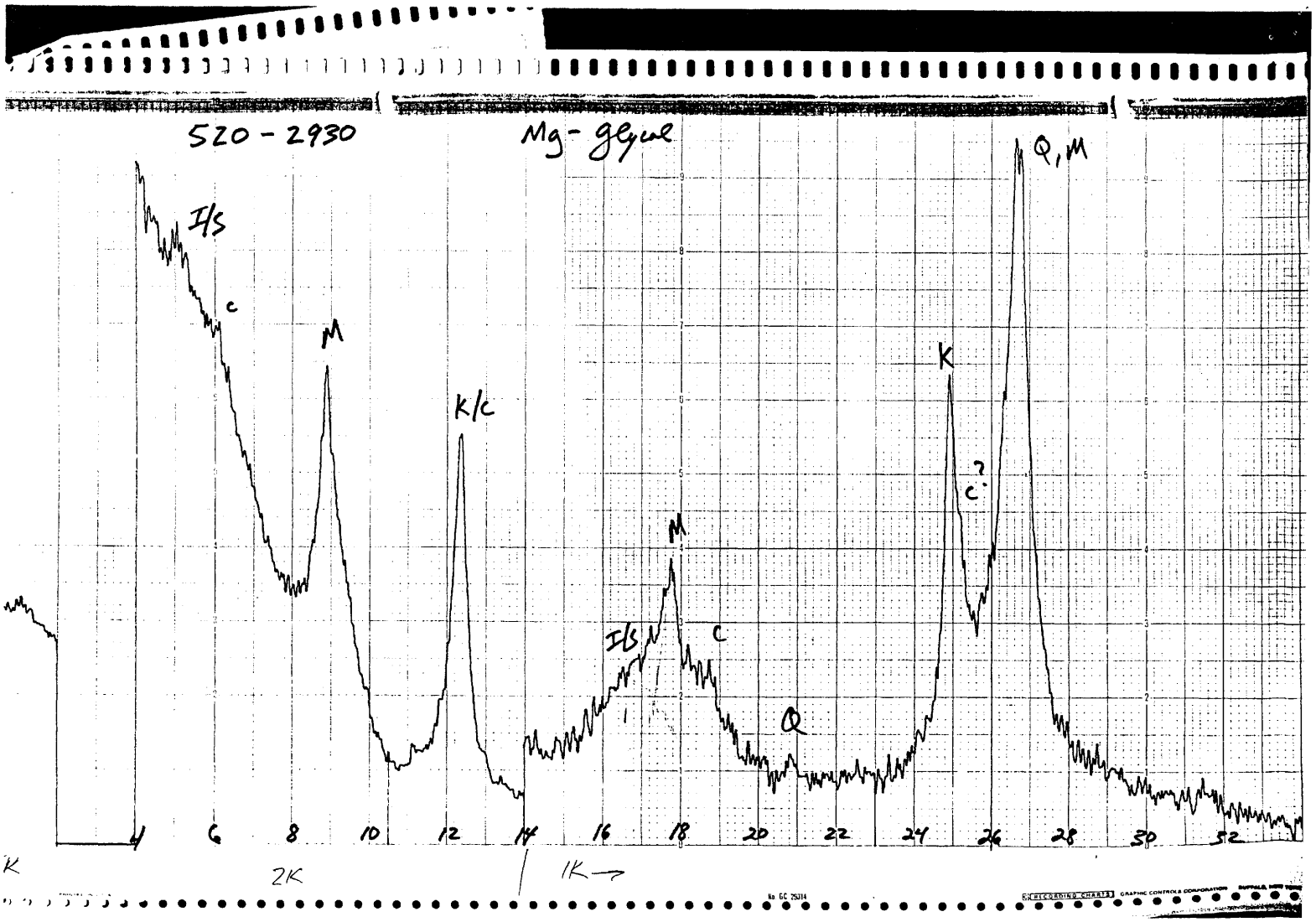

520-2081
Mg-glycol
Q,M,I/S
K
c
K,C
M,I/S
c
I/S
M
I/S
c
Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

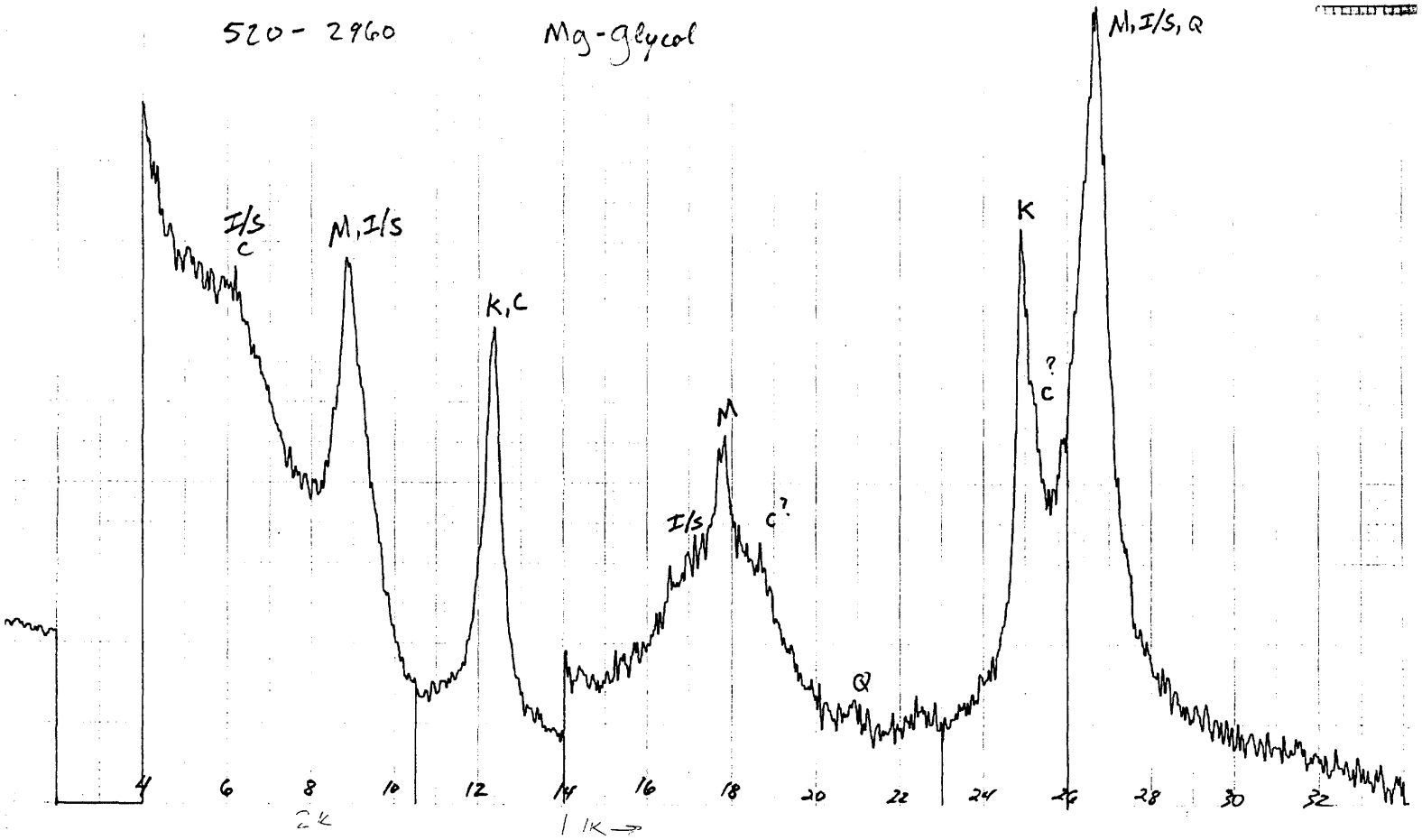

520-2104
Mg-glycol
K/c
I/S
M,I/S
Q,M
K
c
M
I/S
c
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2k
1k

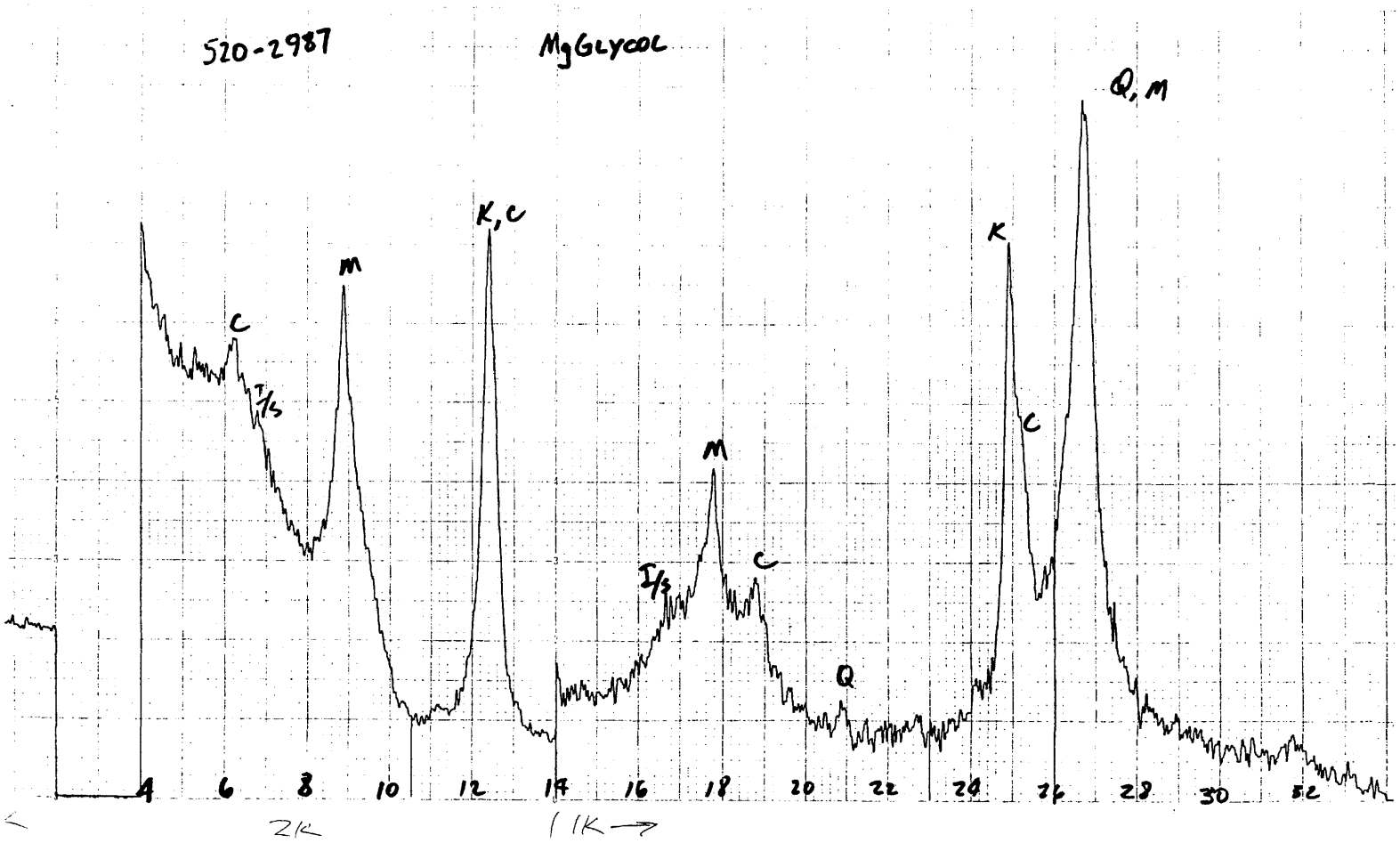

520 - 2220
Mg-glycol
I/S
C
M,I/S
K,C
I/S
M
C
Q
K
C
Q,M,I/S
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

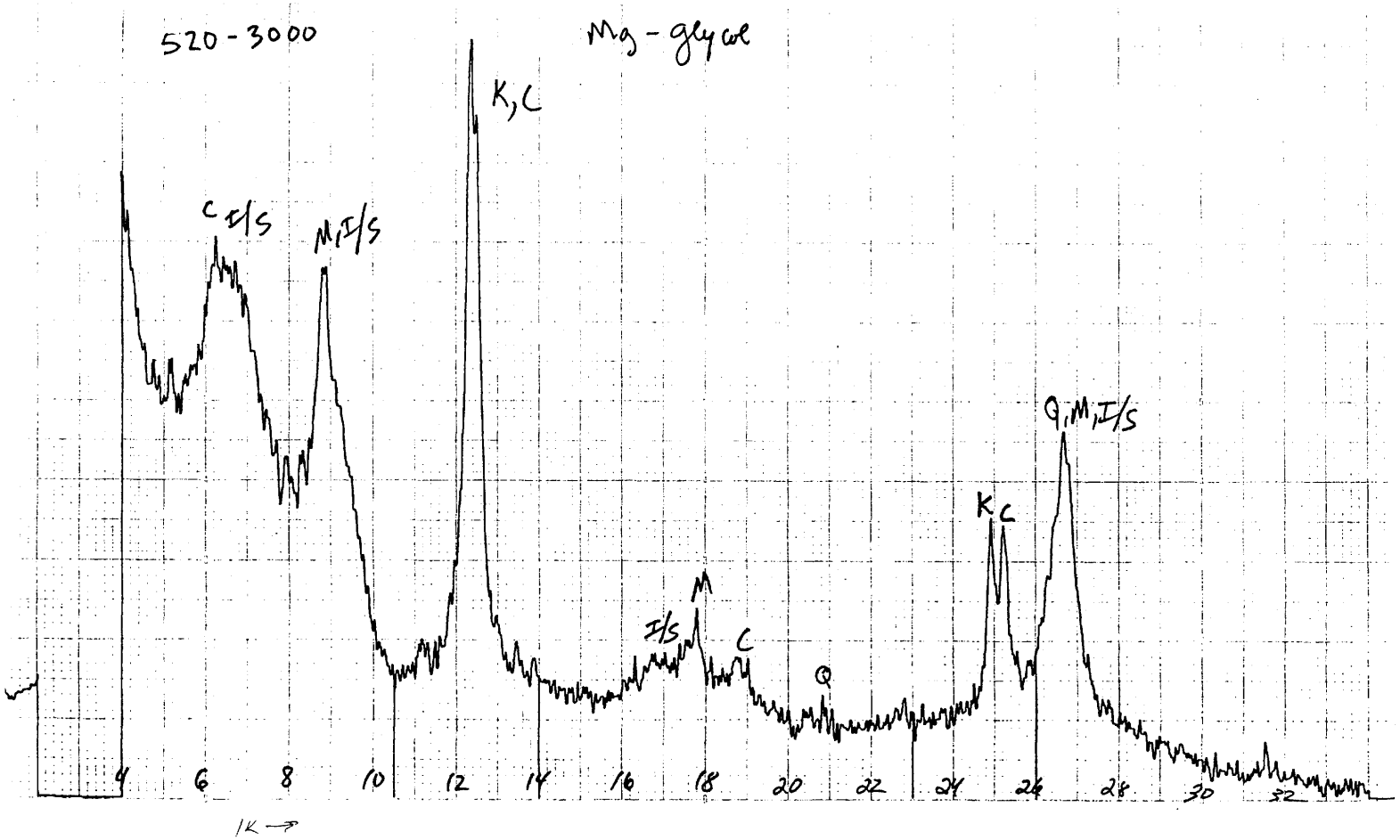

520-2430
Mg GLYCOL
C
I/S
M
K, C
I/S
M
C
K
C
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

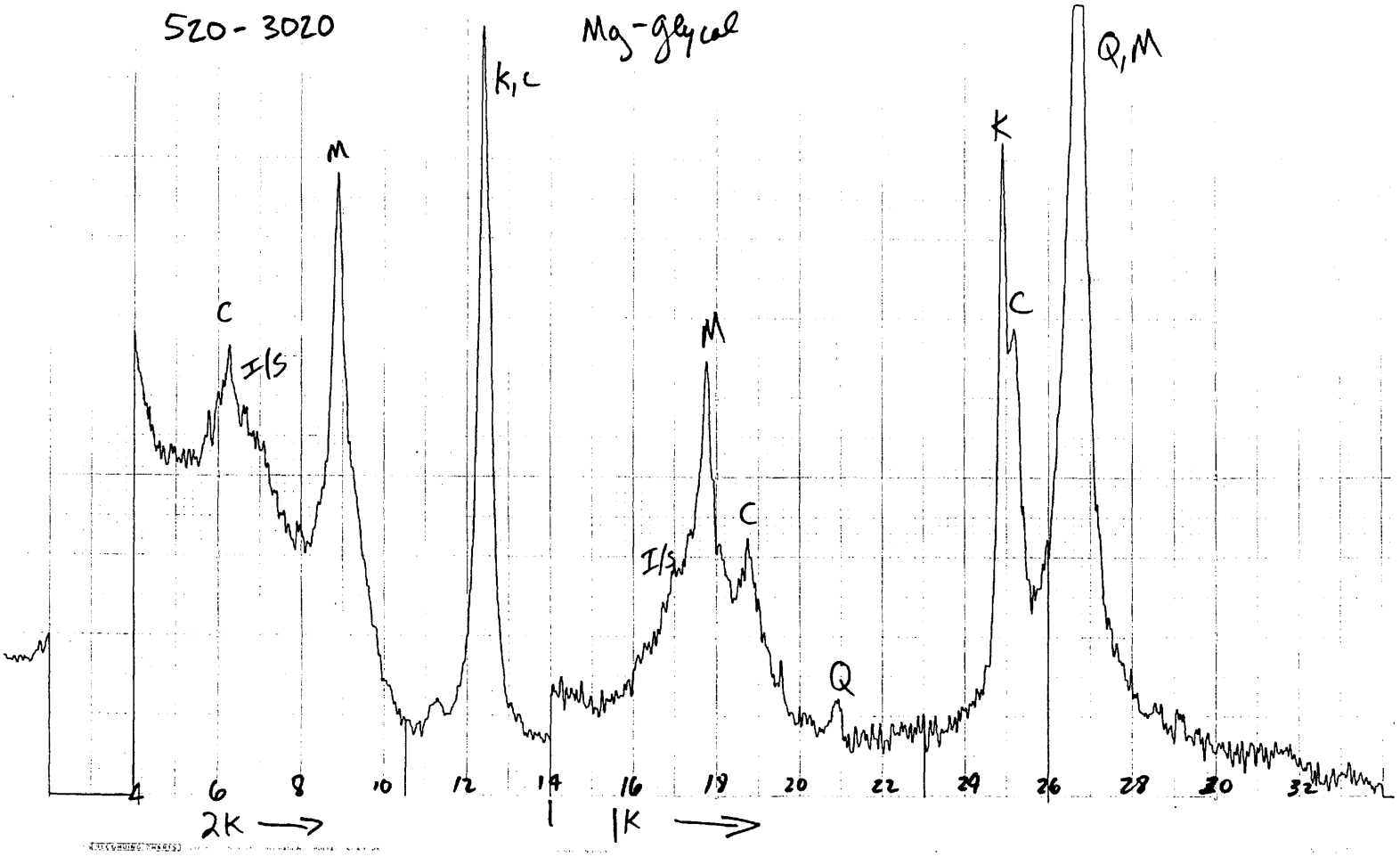

520 - 2620
Mg - glycol
M, I/S
K, C
C
I/S
M
I/S
C
Q
K
C
Q, M, I/S
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K →

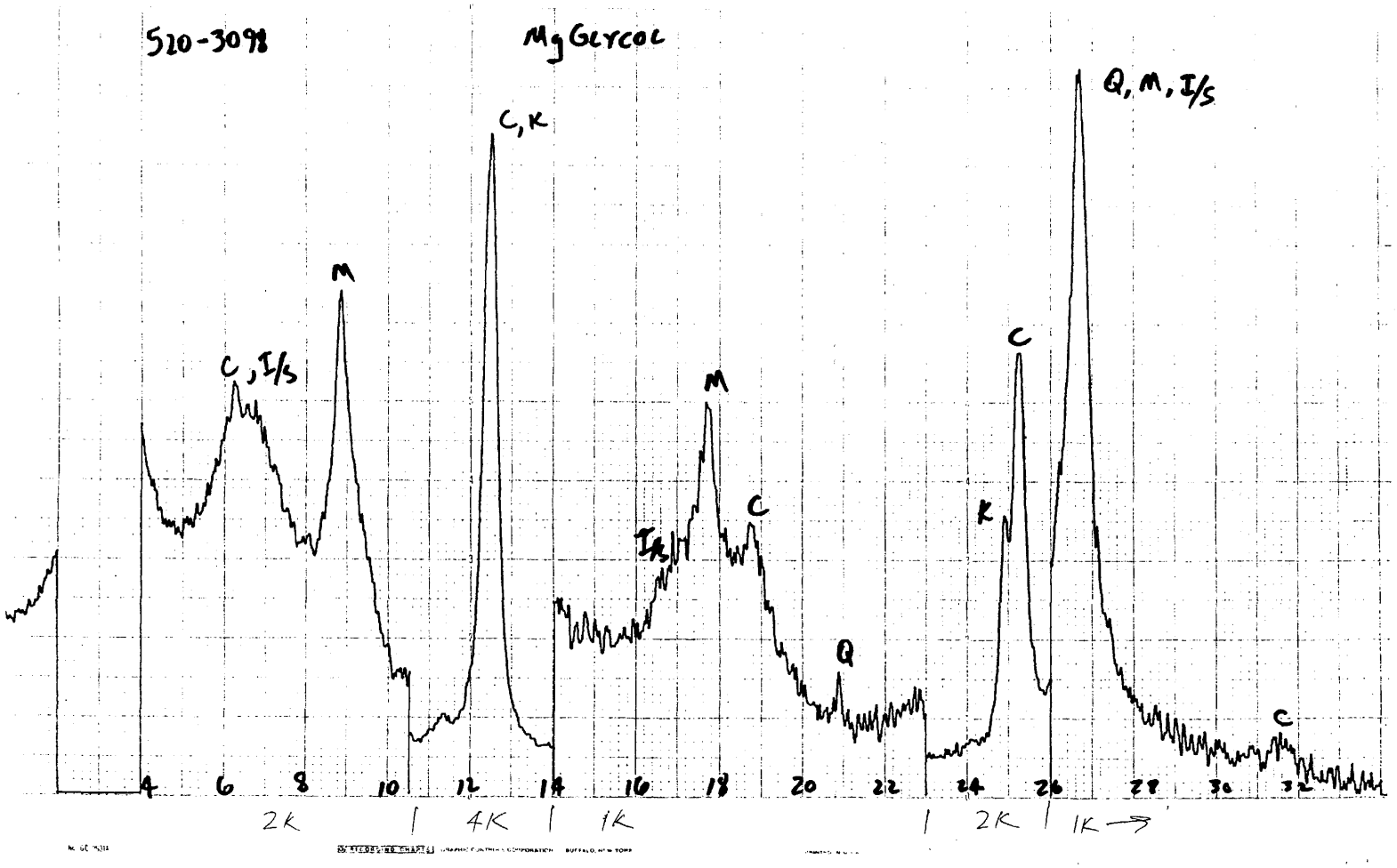

520 - 2930
Mg - gel
I/S
c
M
K/c
M
I/S
c
Q
K
c?
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K
2K
1K

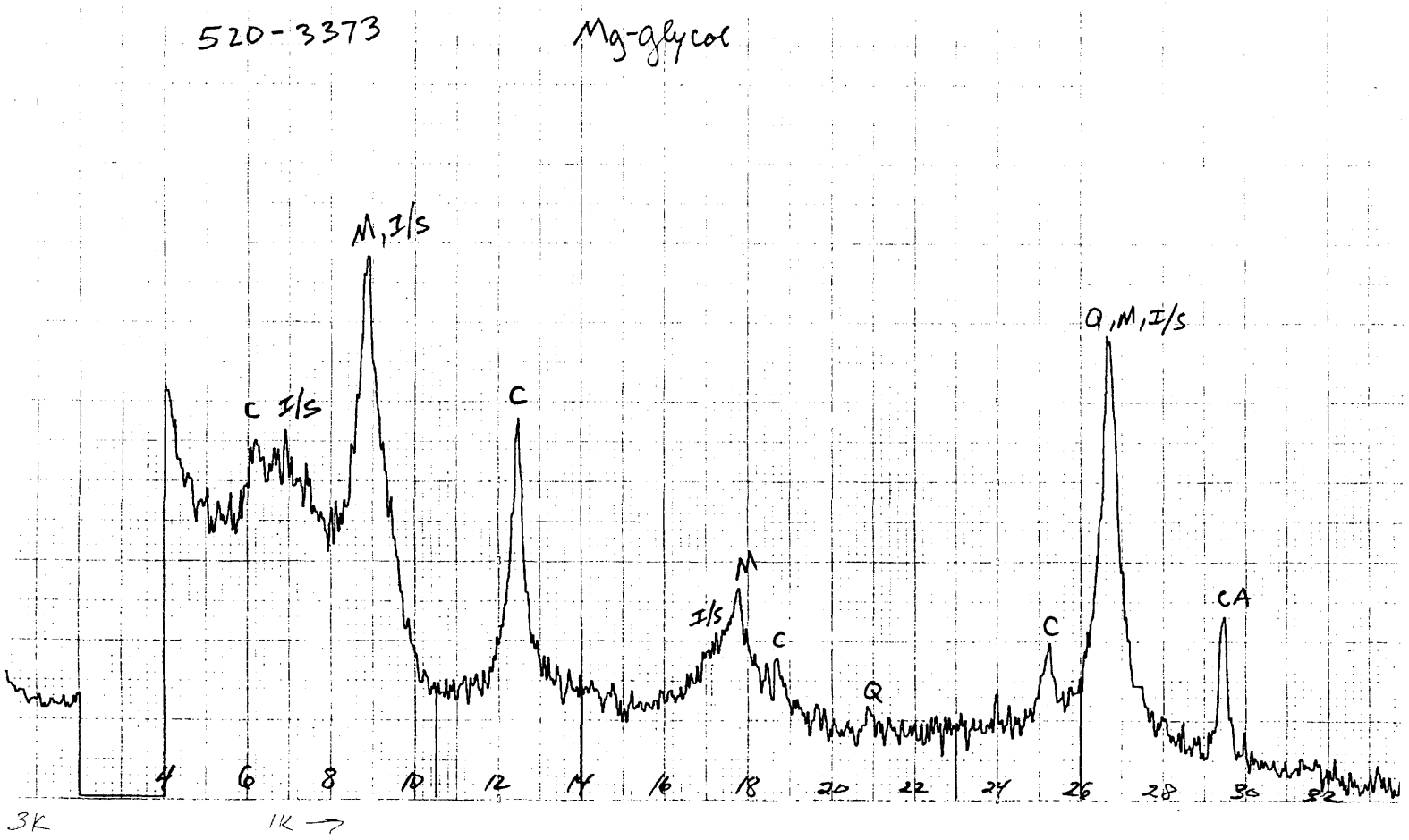

520- 2960
Mg-glycol
I/S
C
M, I/S
K, C
I/S
M
C?
Q
K
?
C
M, I/S, Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

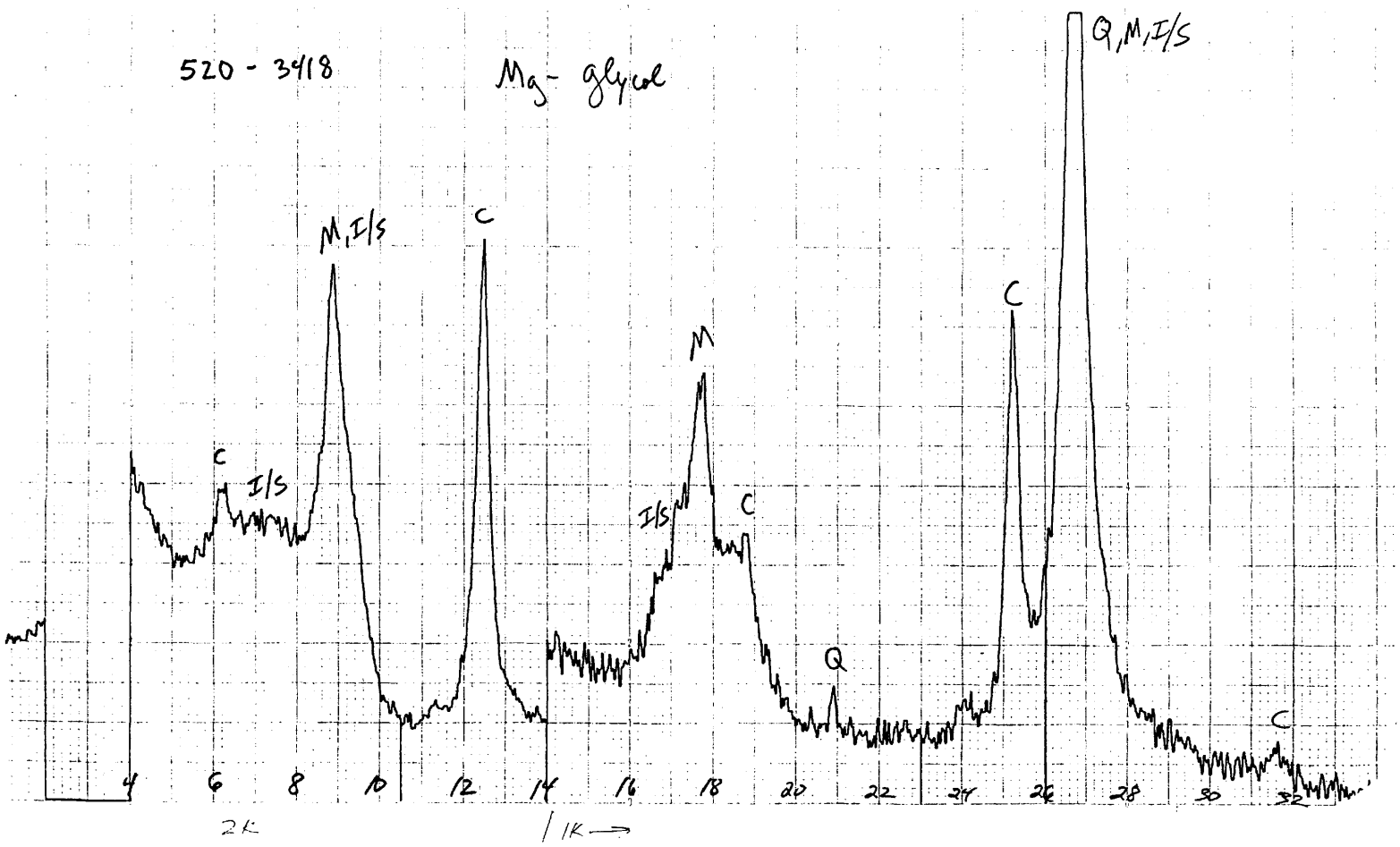

520-2987
MgGLYCOL
C
I/S
M
K,C
I/S
M
C
Q
K
C
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
11K

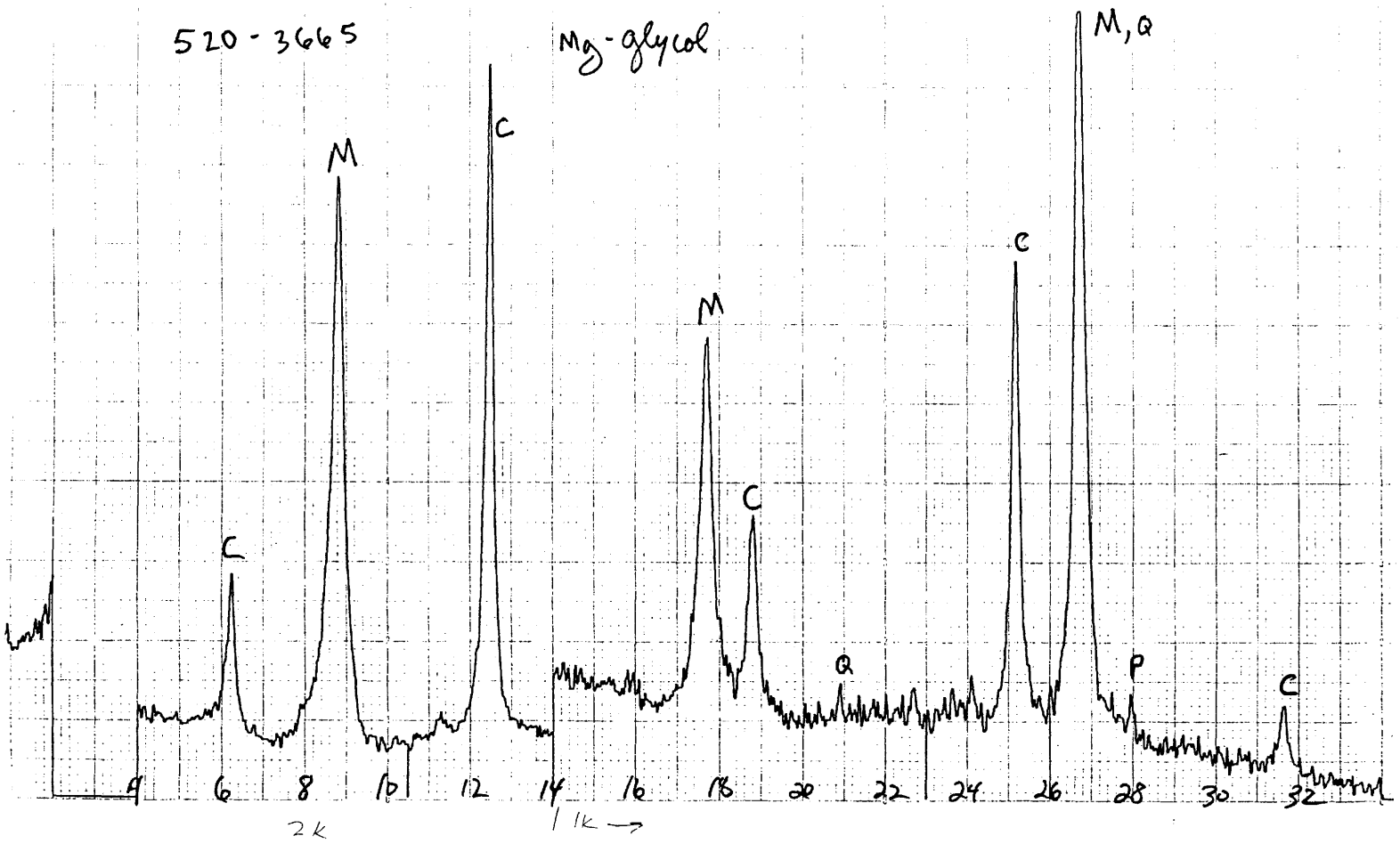

520-3000
Mg-glycol
K,C
C I/S
M,I/S
I/S
M
C
Q
K
C
Q,M,I/S
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →


520-3020
Mg-glycol
K,C
M
C
I/S
M
C
I/S
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K →
1K →


520-3098
Mg GLYCOL
C, I/S
M
C, K
M
C
I/S
Q
K
C
Q, M, I/S
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
4K
1K
2K
1K


520-3373
Mg-glycol
M, I/s
C I/s
C
I/s
M
C
Q
C
Q, M, I/s
CA
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
1K →


520 - 3418
Mg- glycol
Q,M,I/S
M,I/S
C
C
M
C
I/S
I/S
C
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


520-3665
Mg-glycol
C
M
C
M
C
Q
C
M,Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2k
1k →

21 P

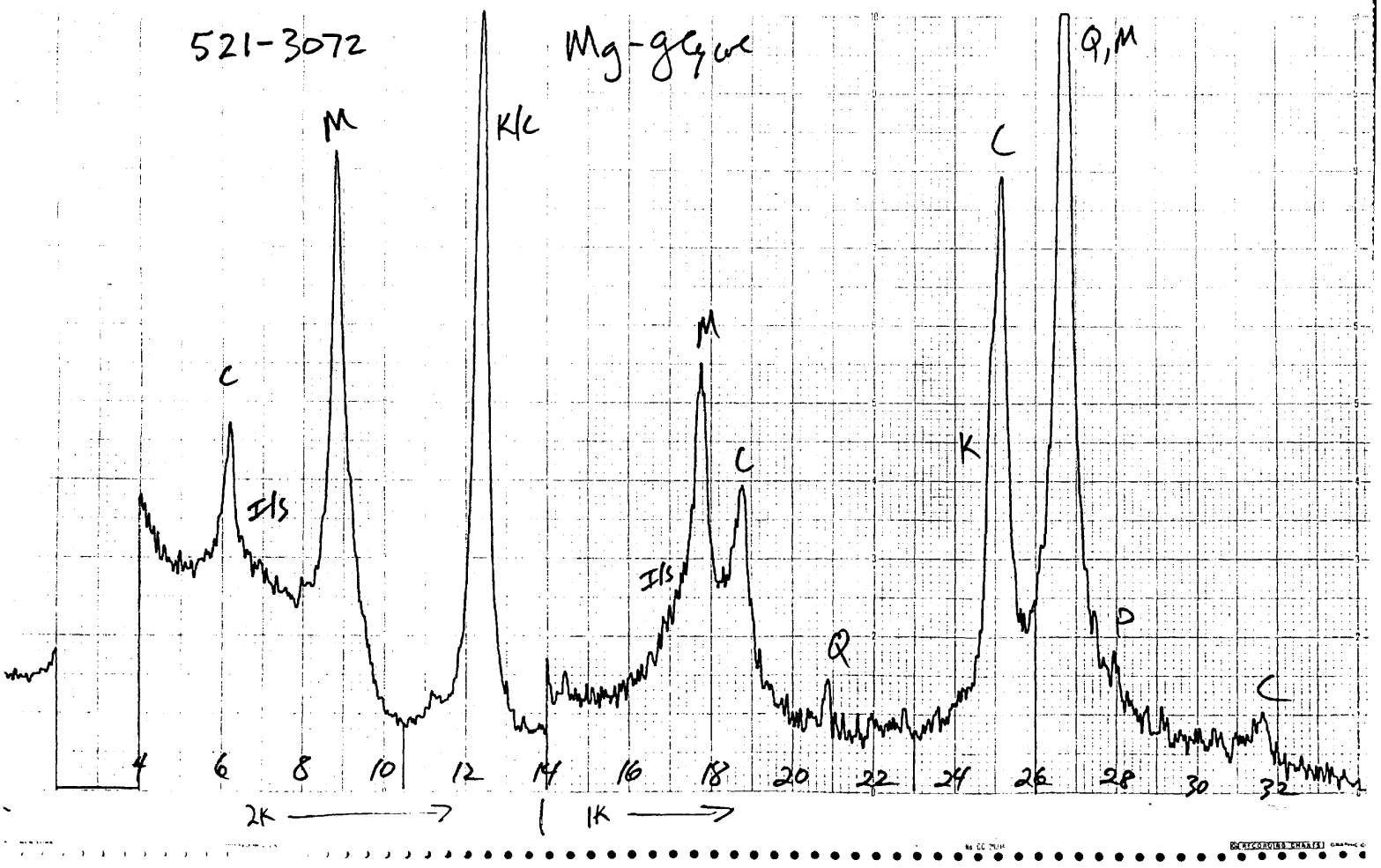
K

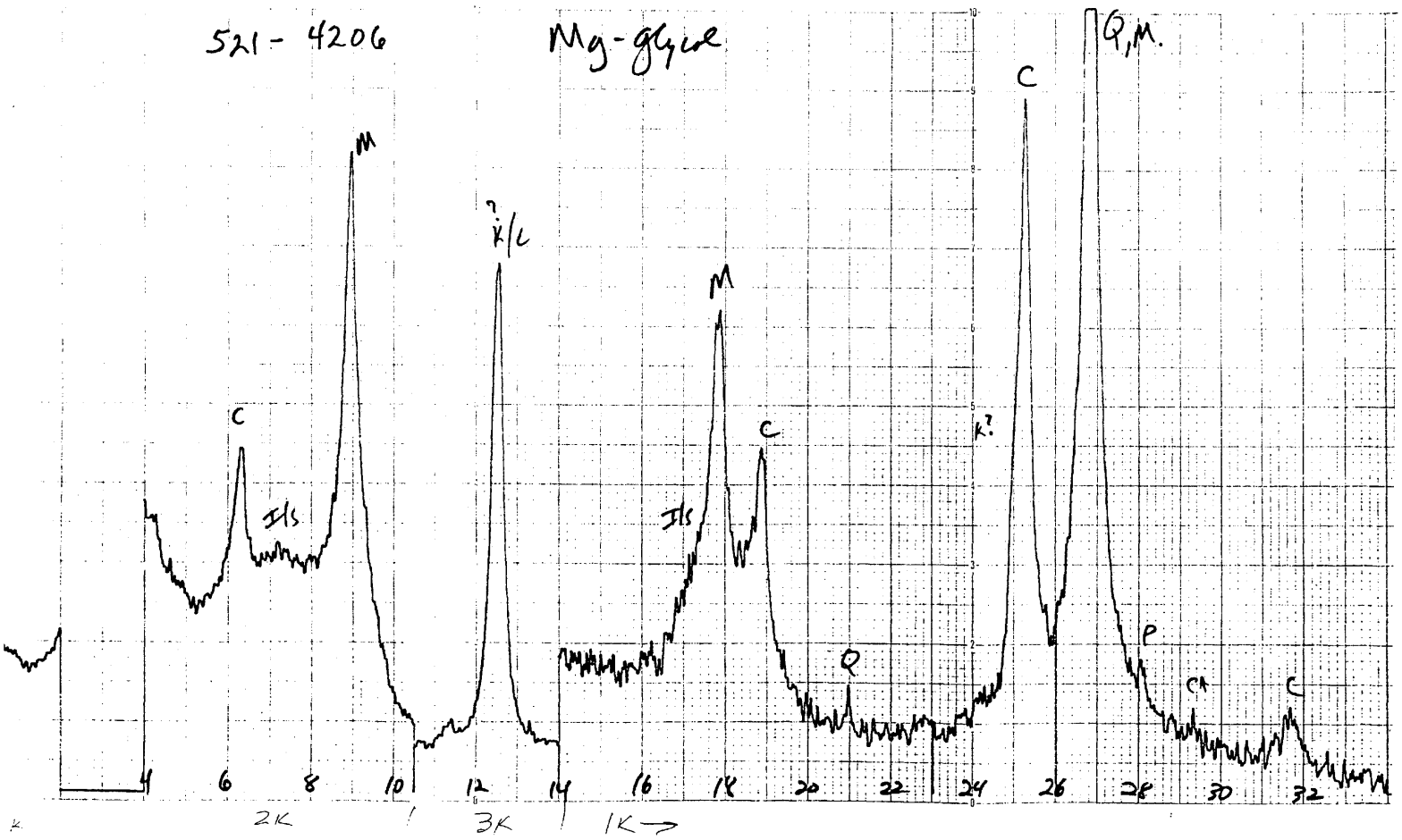
INIGOK NO.1 (ST. NO. 521)

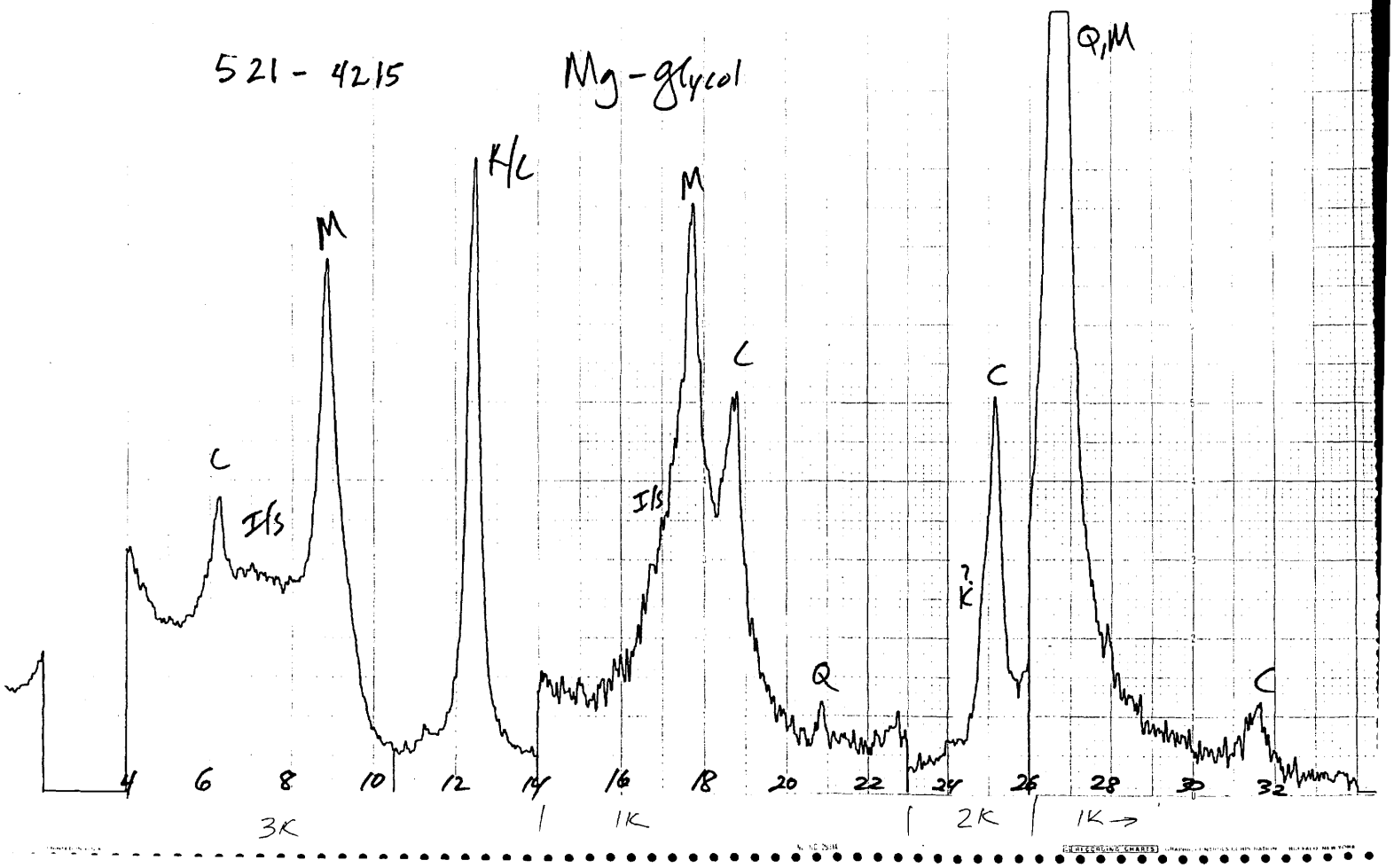
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
3072	-	MIN	MOD	MAJ	MOD	Q,P
4206	-	MOD	MOD	MAJ	-	Q,P,CA
4215	-	MOD	MOD	MAJ	MIN	Q,P
5000	-	MOD	MOD	MAJ	MOD	Q
5009	-	MOD	MOD	MAJ	MOD	Q
7054	-	MOD	MAJ	MAJ	-	Q,P
7063	-	MOD	MOD	MAJ	MOD	Q,P
8211	-	MIN	MOD	MAJ	-	Q,P,D
8842	-	MOD	MAJ	MAJ	-	Q,P,PY,D1,AP
9338	-	MOD	MOD	MIN	MAJ	Q,SID
9346	-	MOD	MOD	MOD	MAJ	Q,SID
9449	-	MOD	MOD	MOD	MAJ	Q
9457	-	MOD	MOD	MOD	MAJ	Q
10295	-	MAJ	MOD	MOD	-	Q
10303	-	MAJ	MOD	MOD	-	Q
11001	-	MAJ	MOD	MOD	MOD	Q
11708	-	MAJ	MOD	MOD	MOD	Q
12282	-	-	MIN	-	-	Q,CA5
12517	-	MAJ	MOD	MOD	MIN	Q1,P,D,PY
13880	-	-	MAJ	MOD	-	Q2

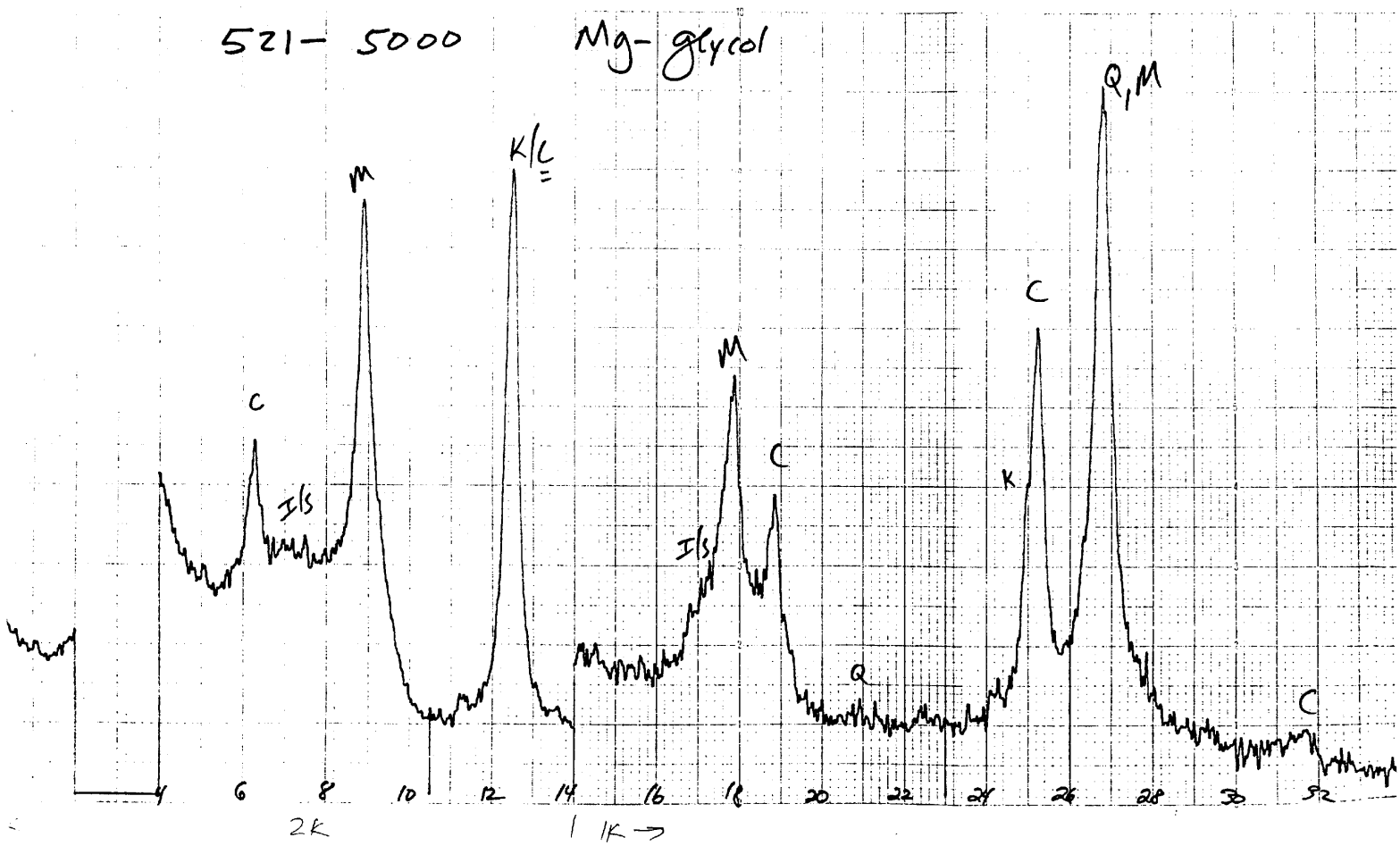
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, SID = Siderite, AP = Apatite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, DICK = Dickite. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments. 1 = weak, 2 = moderate, 3 = strong xrd peak

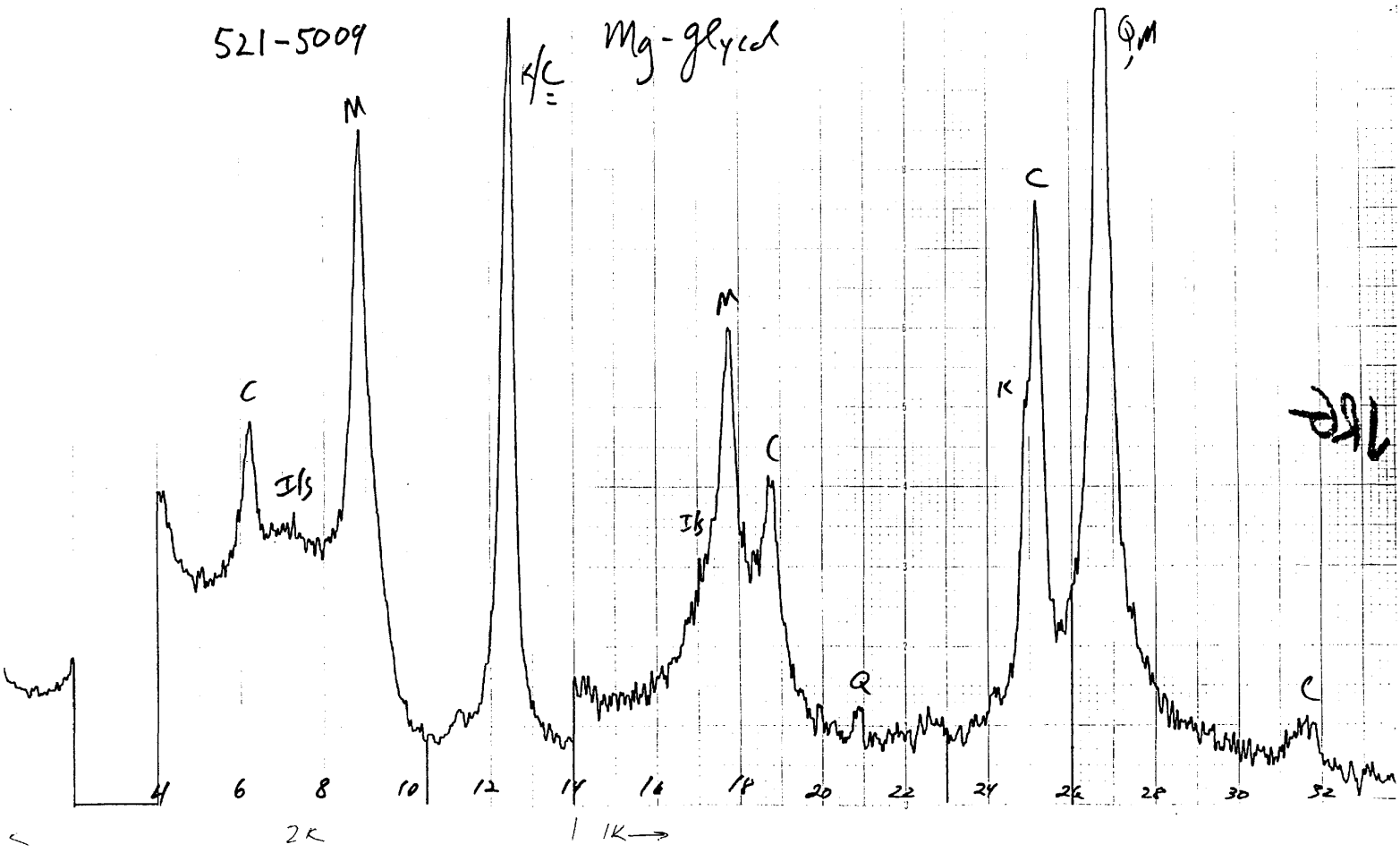
RECEIVED
APR 2 1984
Communications


521-3072
Mg-gegue
M
K/C
C
I/S
M
C
I/S
Q
K
C
Q,M
D
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

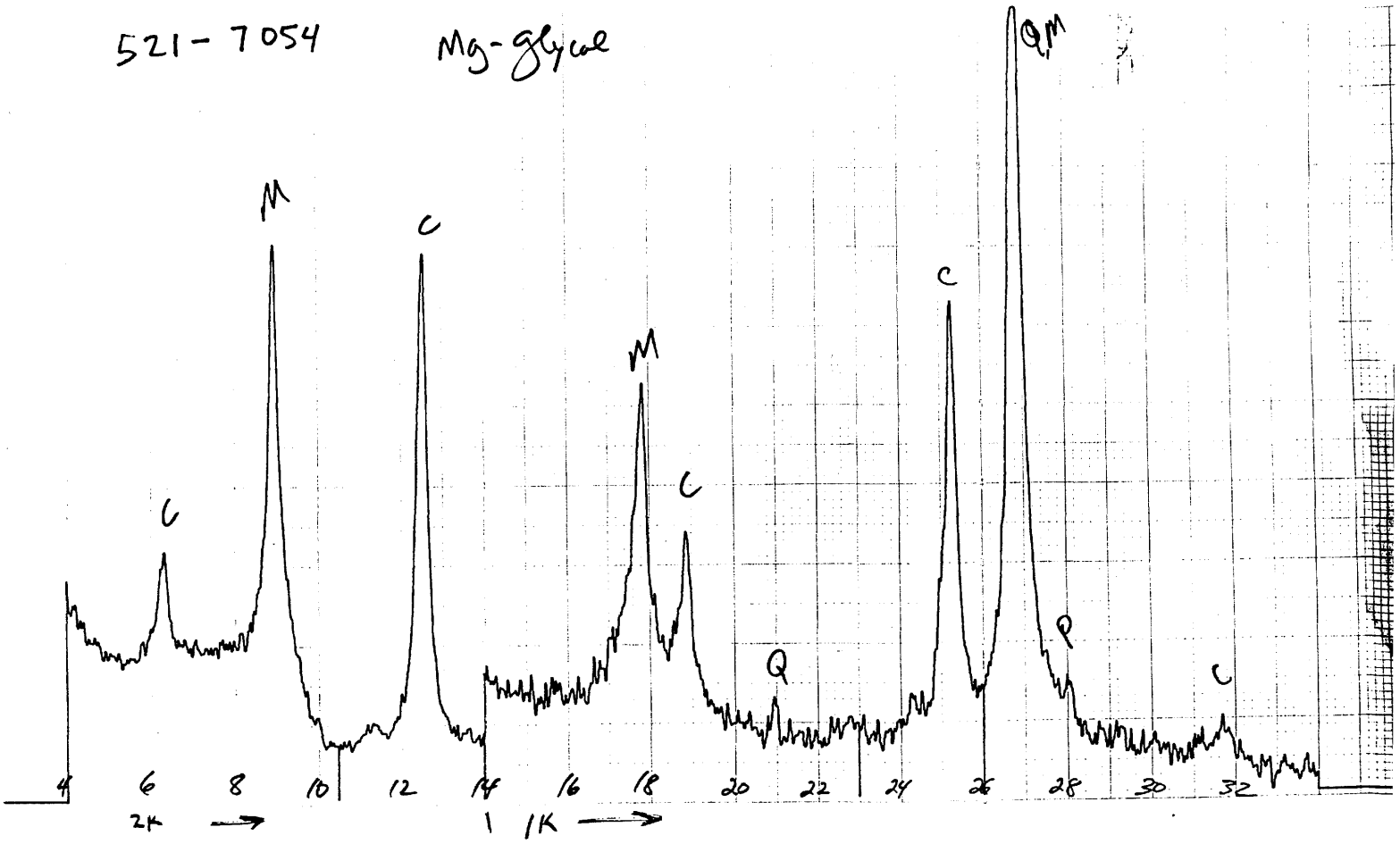

521 - 4206
Mg-glycol
C
I/s
M
?K/C
M
I/s
C
Q
K?
C
Q,M.
P
CA
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K


521 - 4215
Mg-glycol
C
I/S
M
K/C
M
I/S
C
Q
?K
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
1K
2K
1K →

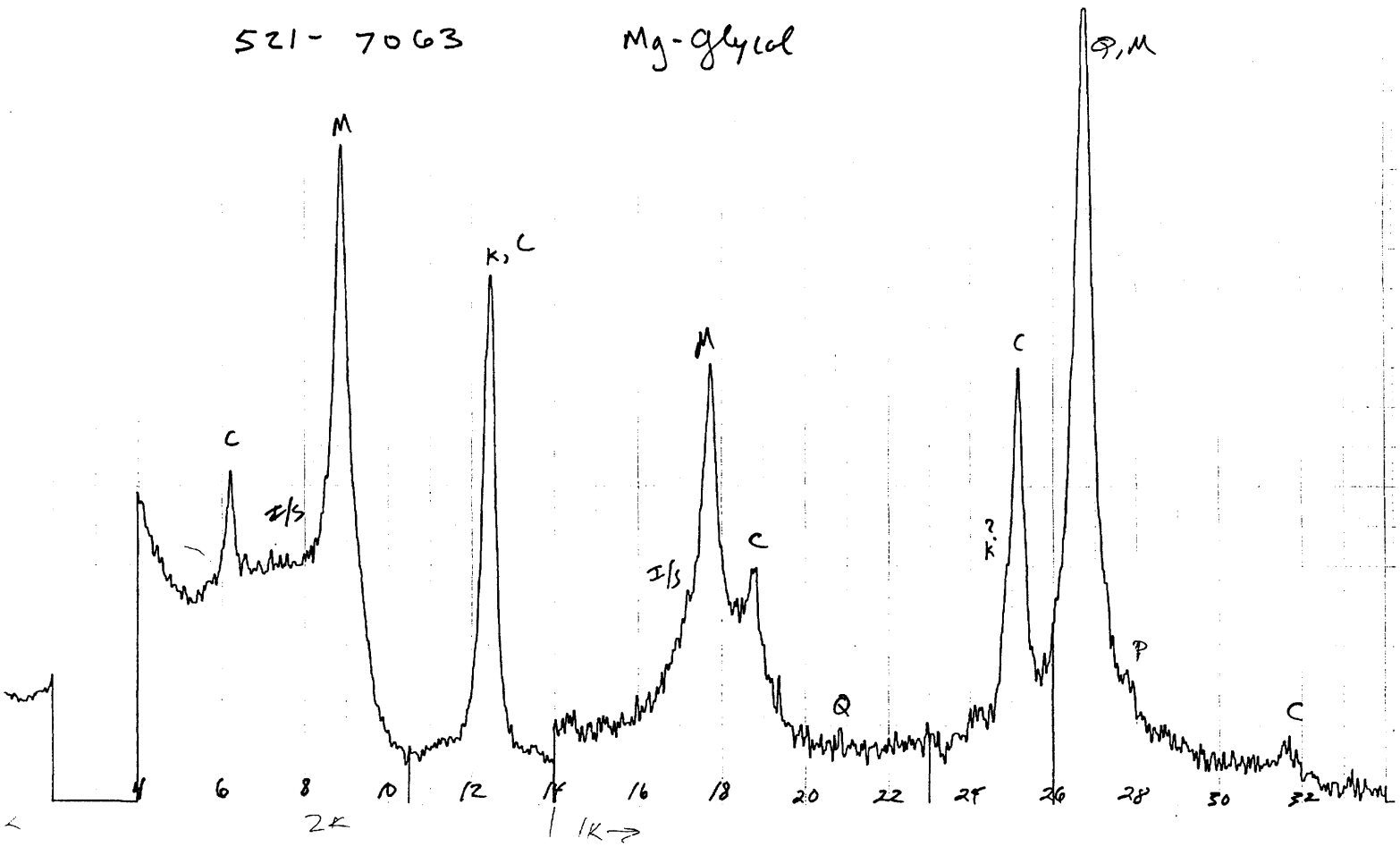

521- 5000
Mg- glycol
C
I/S
M
K/C
M
I/S
C
Q
K
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


521-5009
Mg-glycol
K/C
M
C
Ils
M
C
Ils
Q
C
K
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

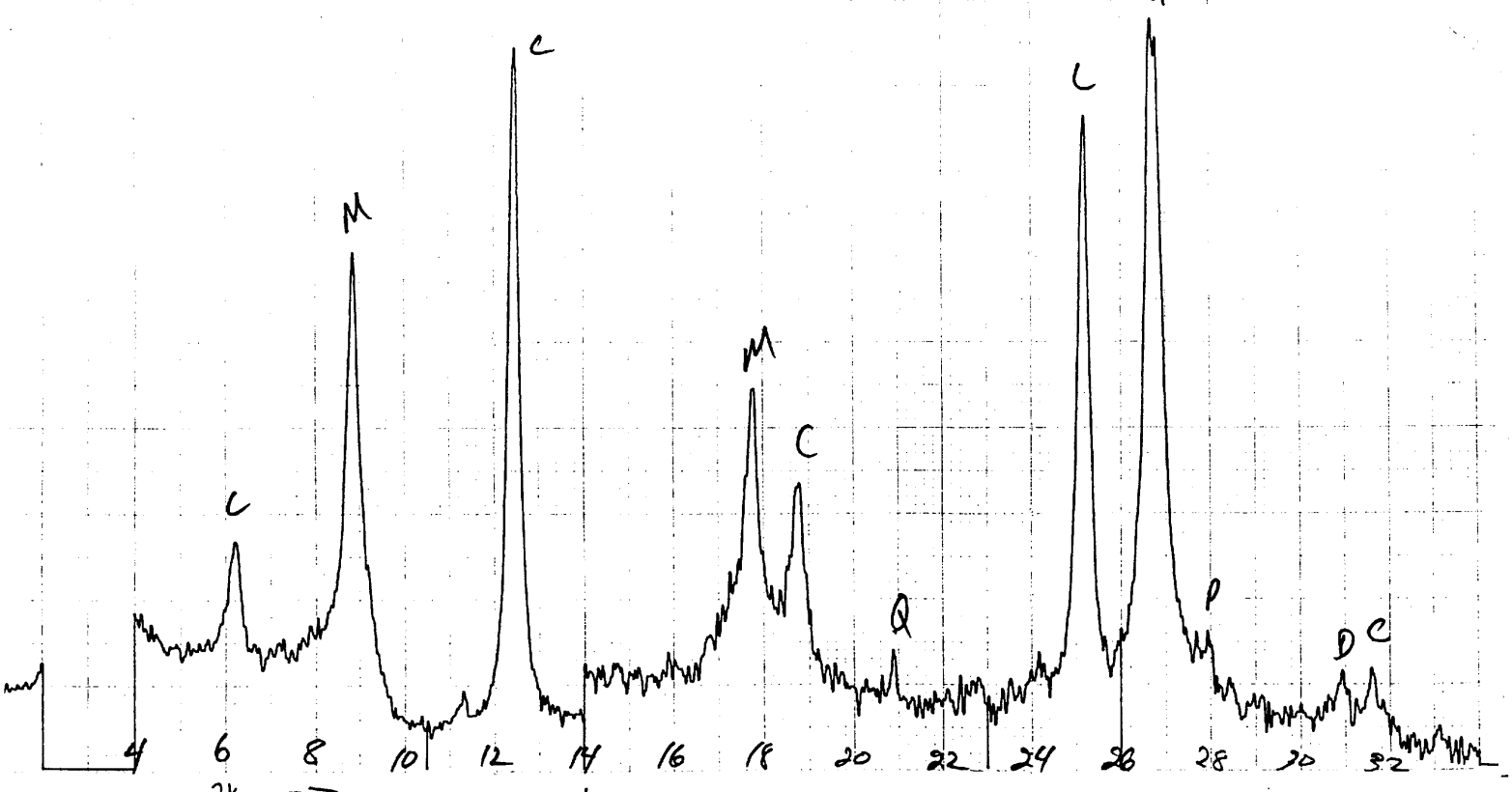
521-7054 Mg-glycol

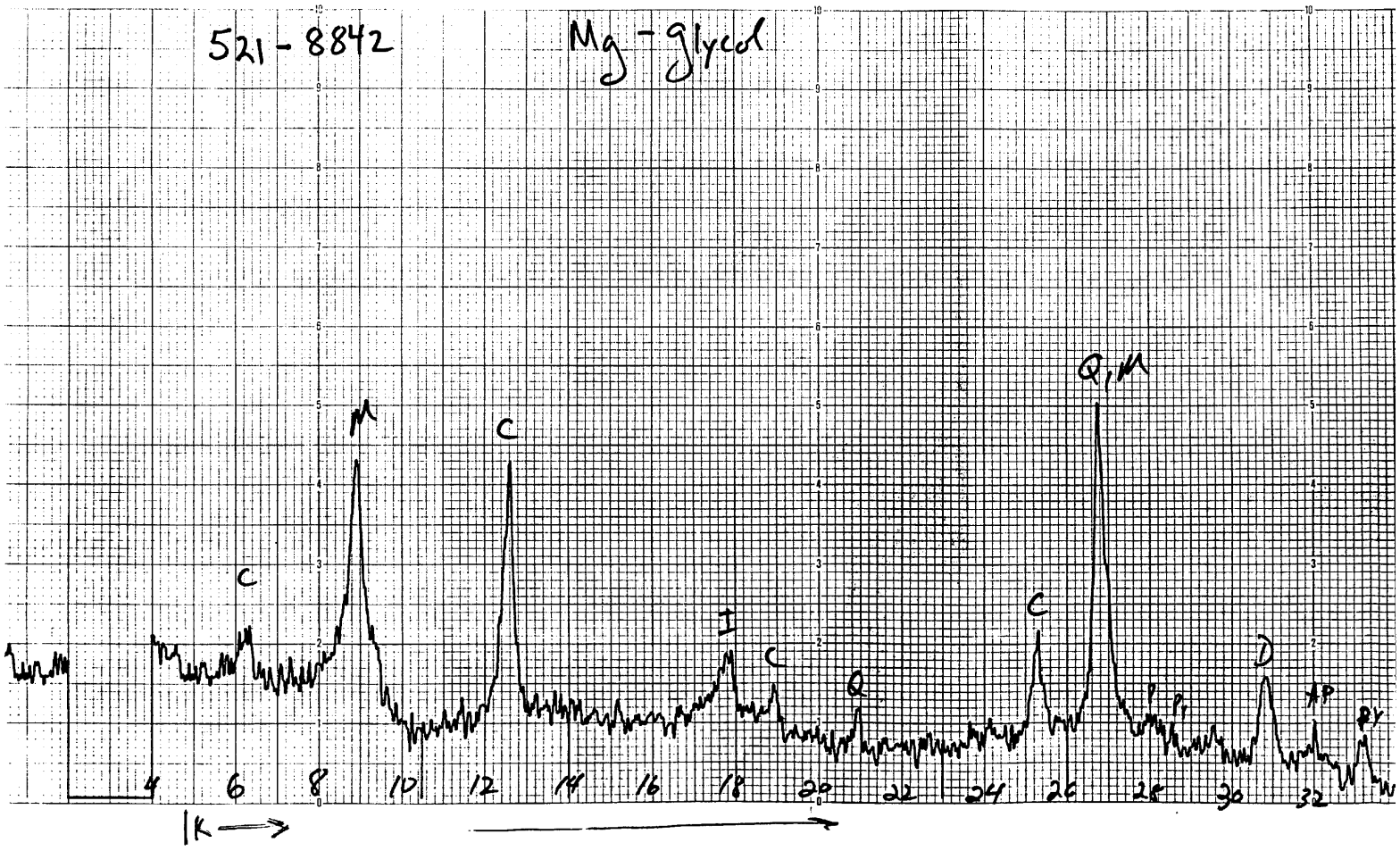


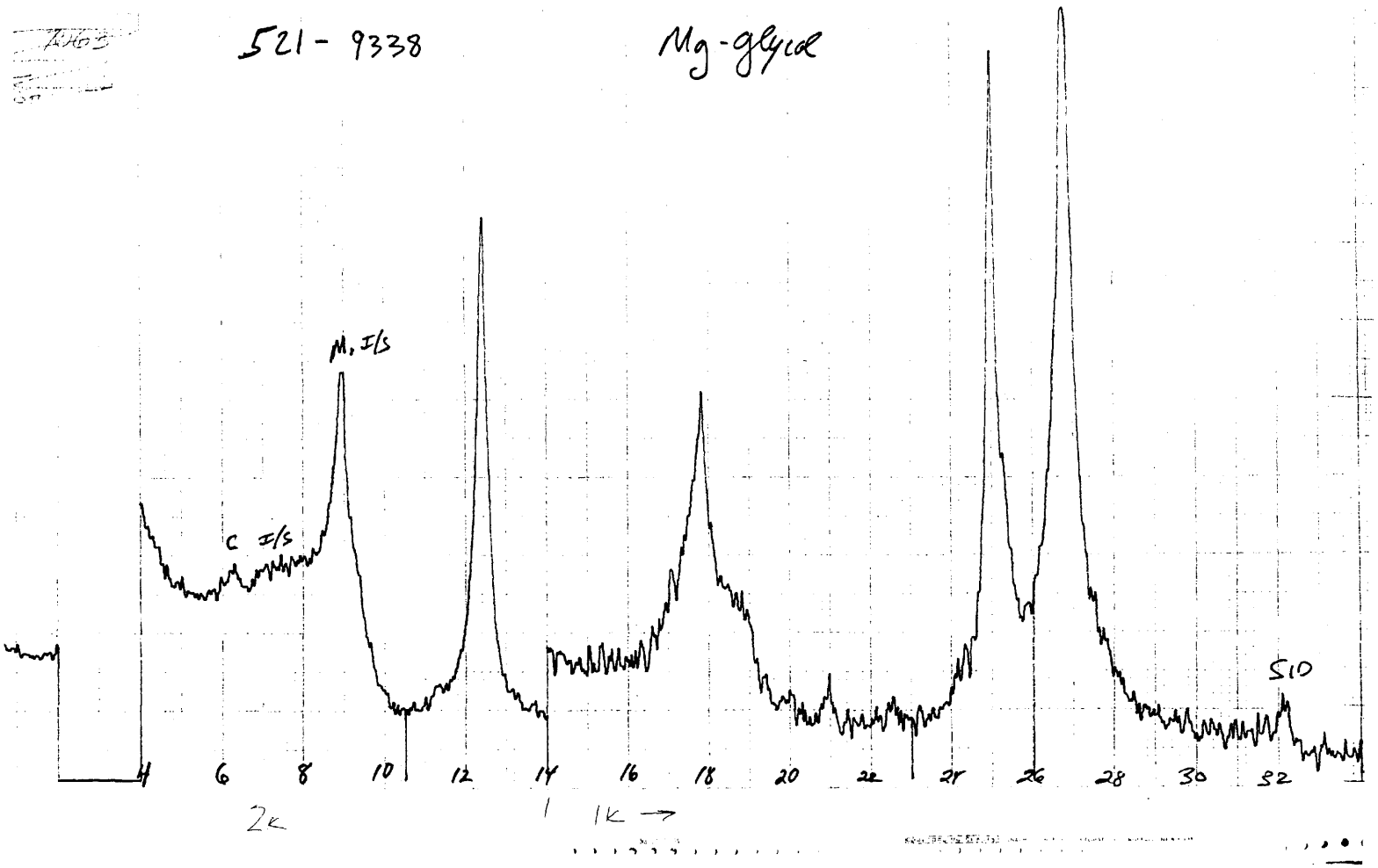
521- 7063 Mg-glycol



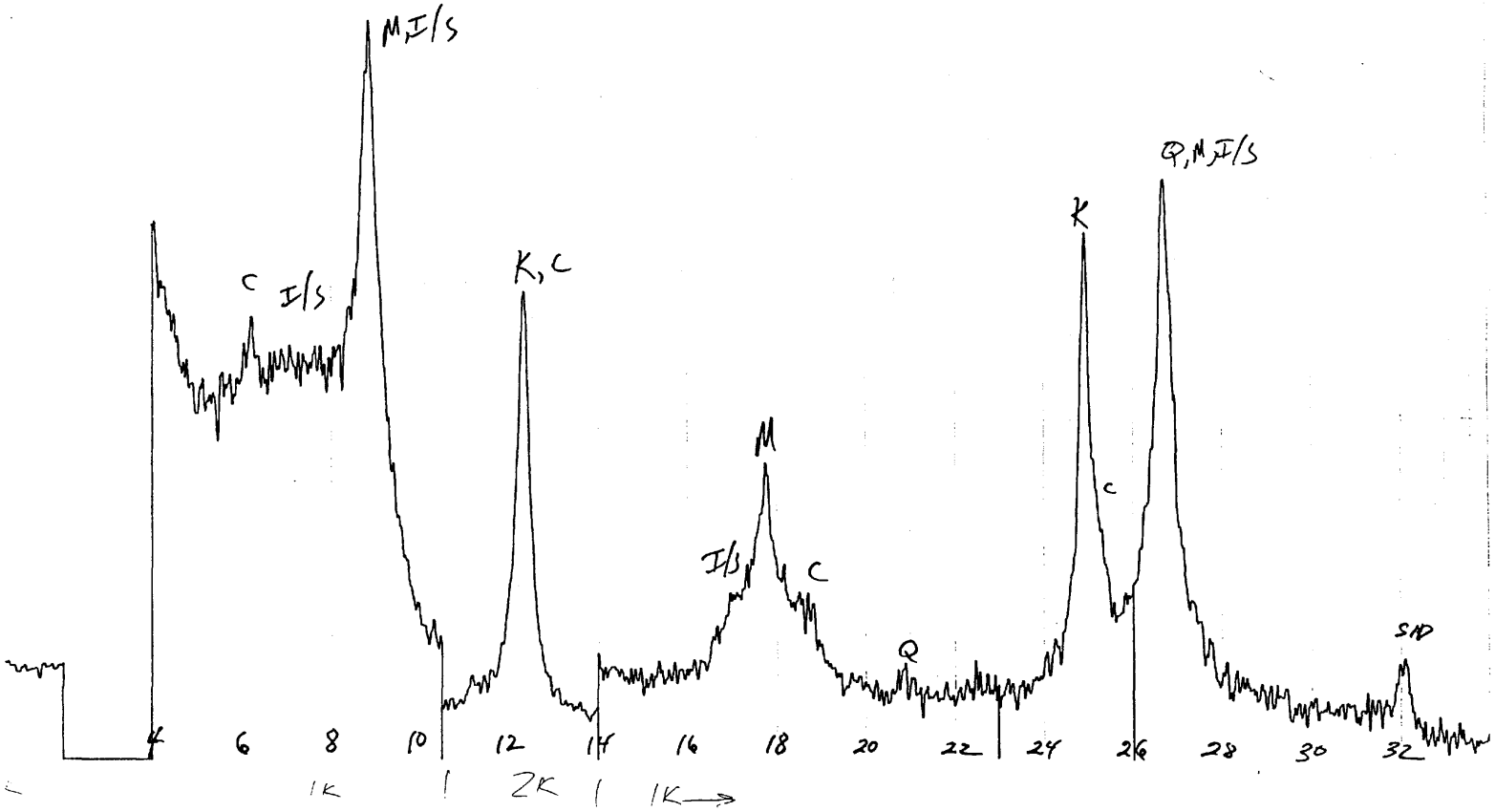
521-8211 Mg-glycol

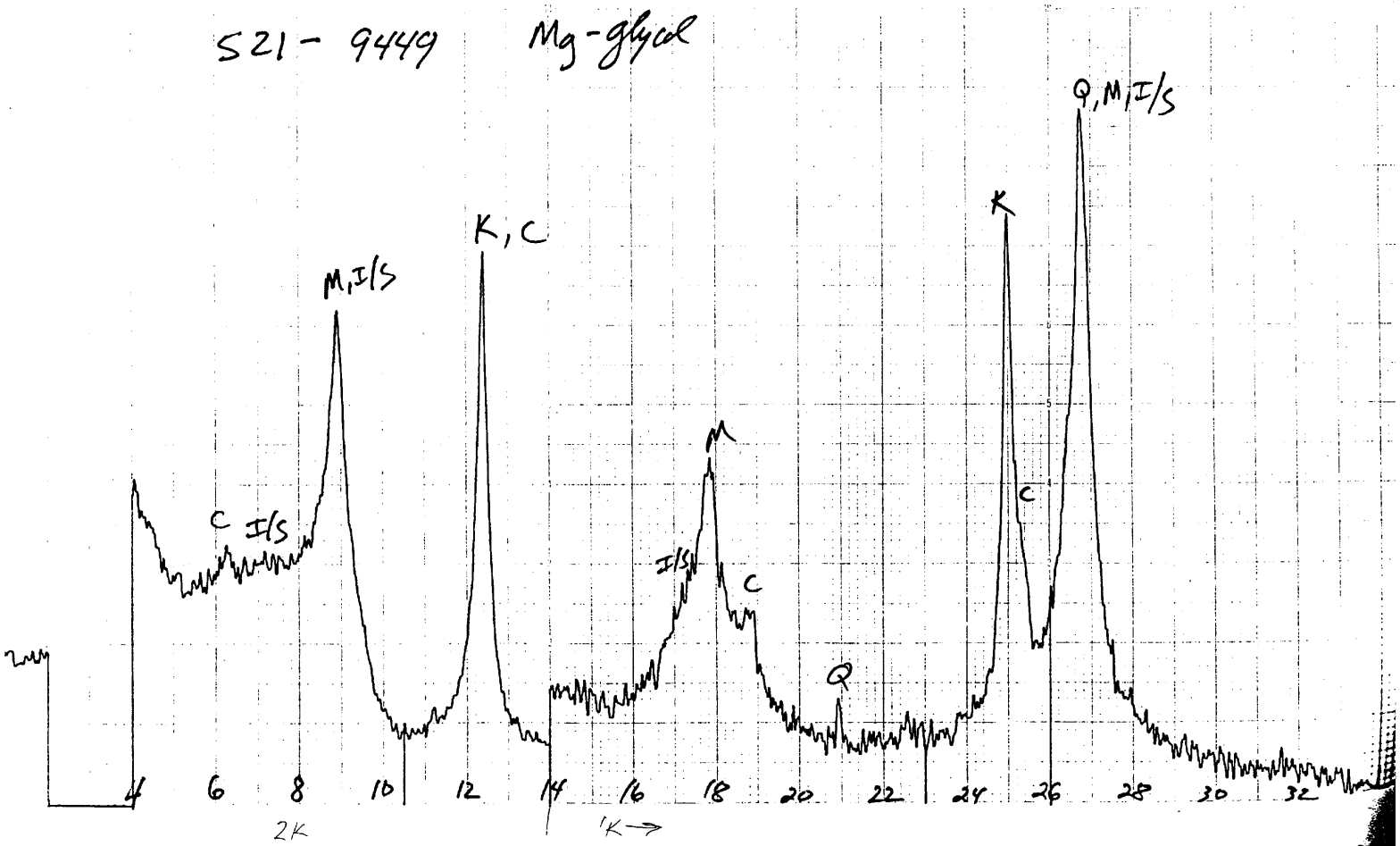



521-8842
Mg-glycol
M
C
C
I
C
Q
C
Q,M
D
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K

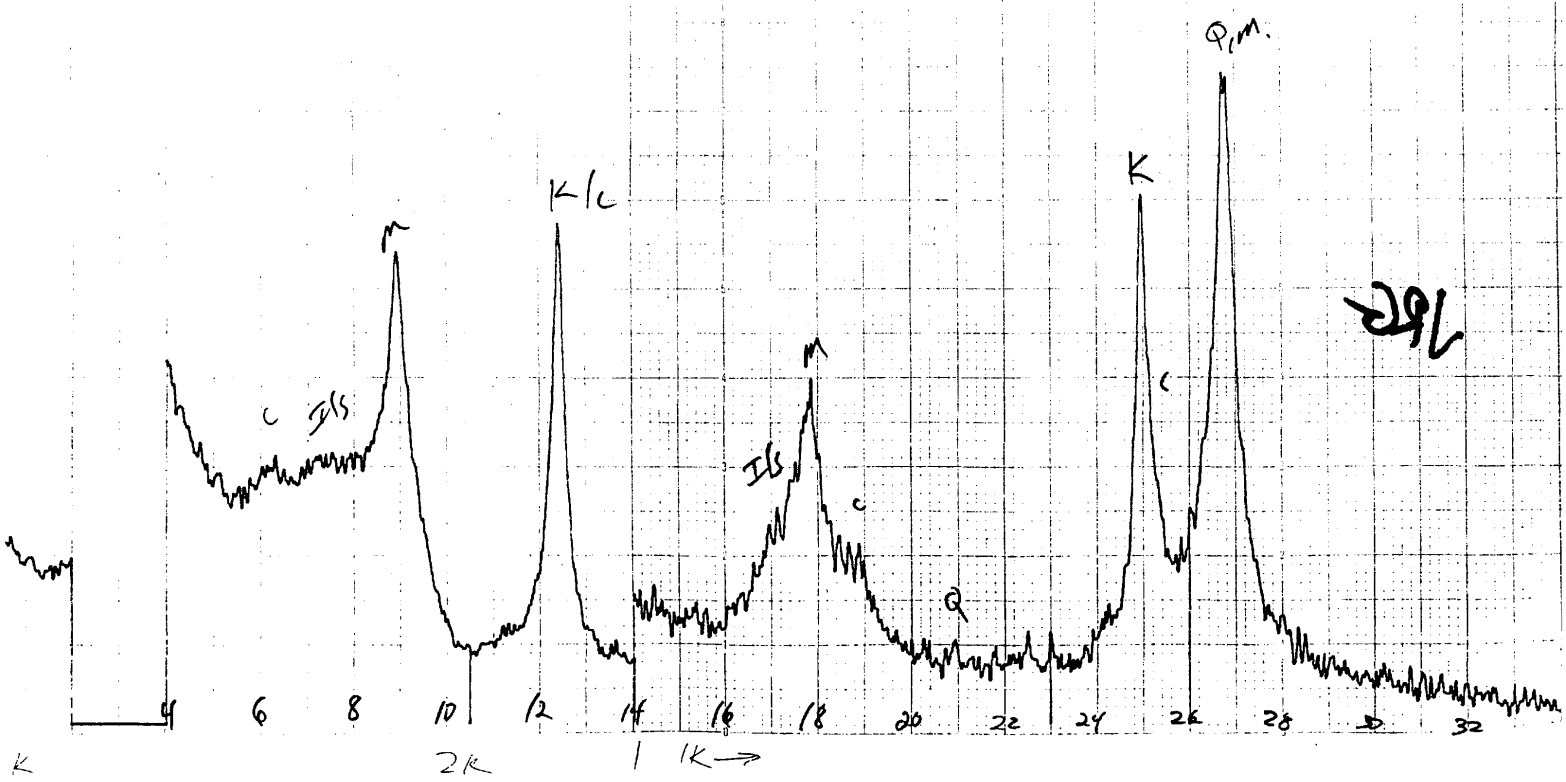

521 - 9338
Mg-glycol
M, I/S
C I/S
510
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K →

521- 9346 Mg-glycol



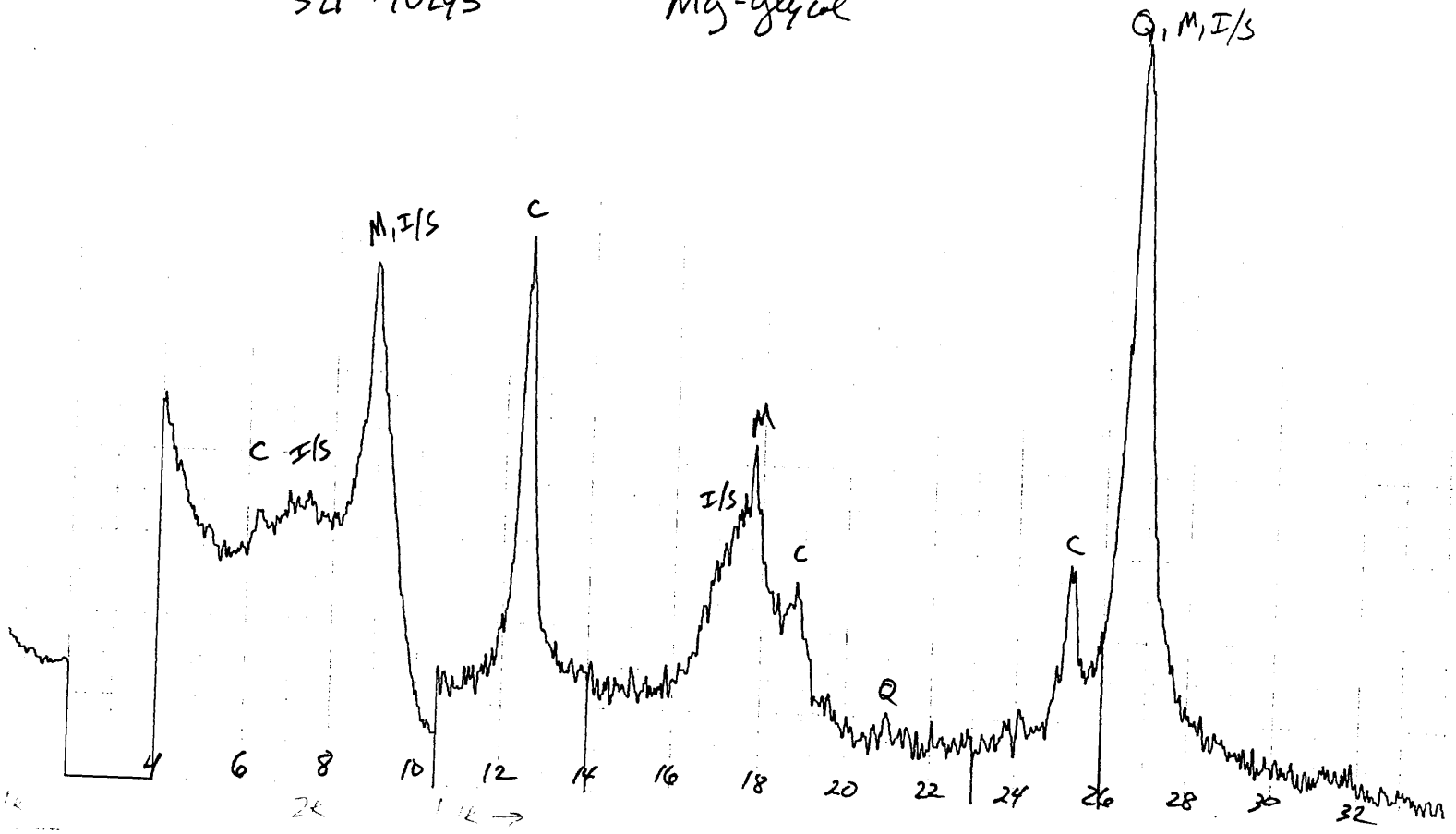

S21 - 9449
Mg-glycol
Q,M,I/S
K
K,C
M,I/S
C
I/S
M
I/S
C
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

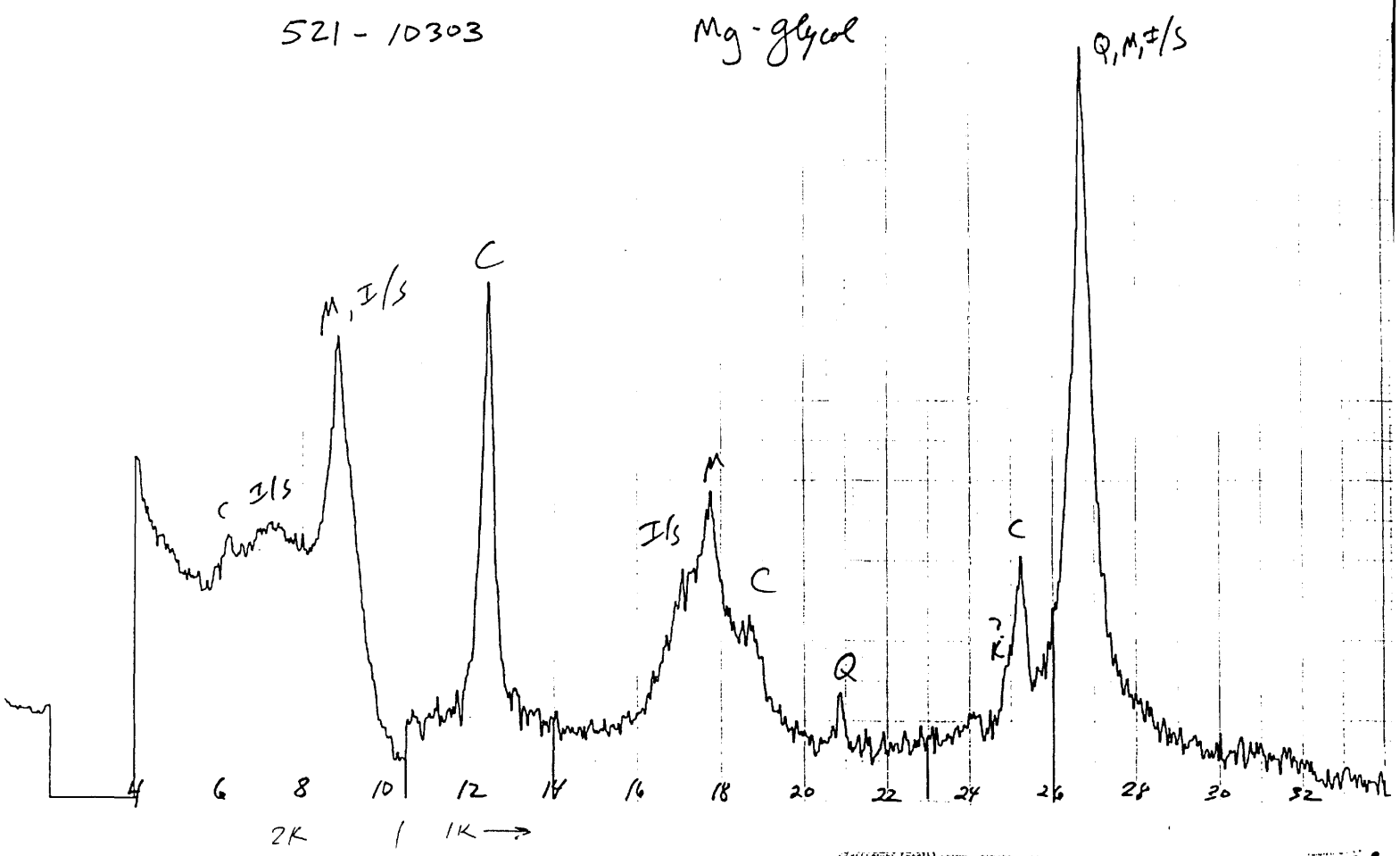
521- 9457 Mg-Glycol

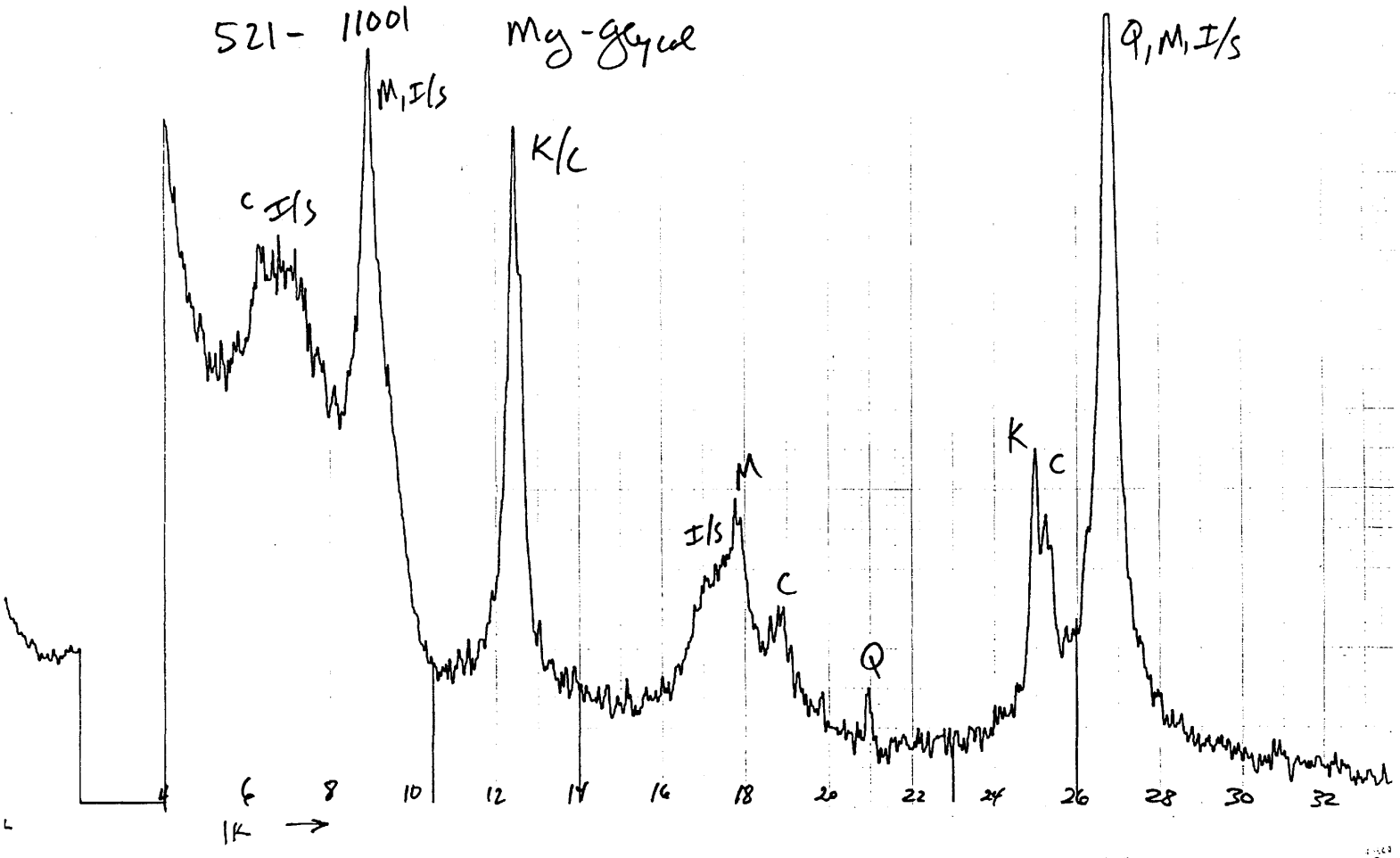


GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK

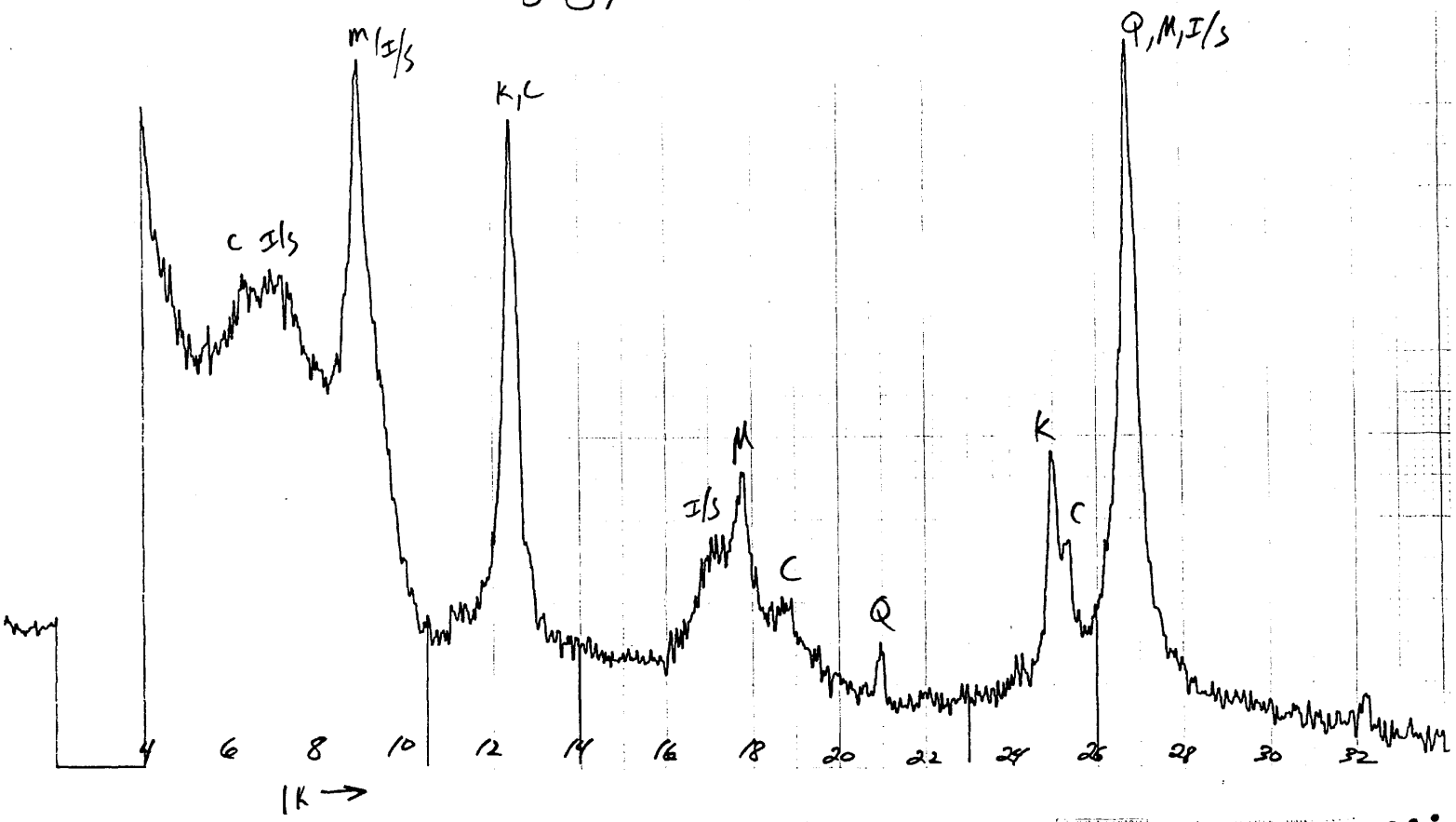
521 - 10295 Mg-glycol



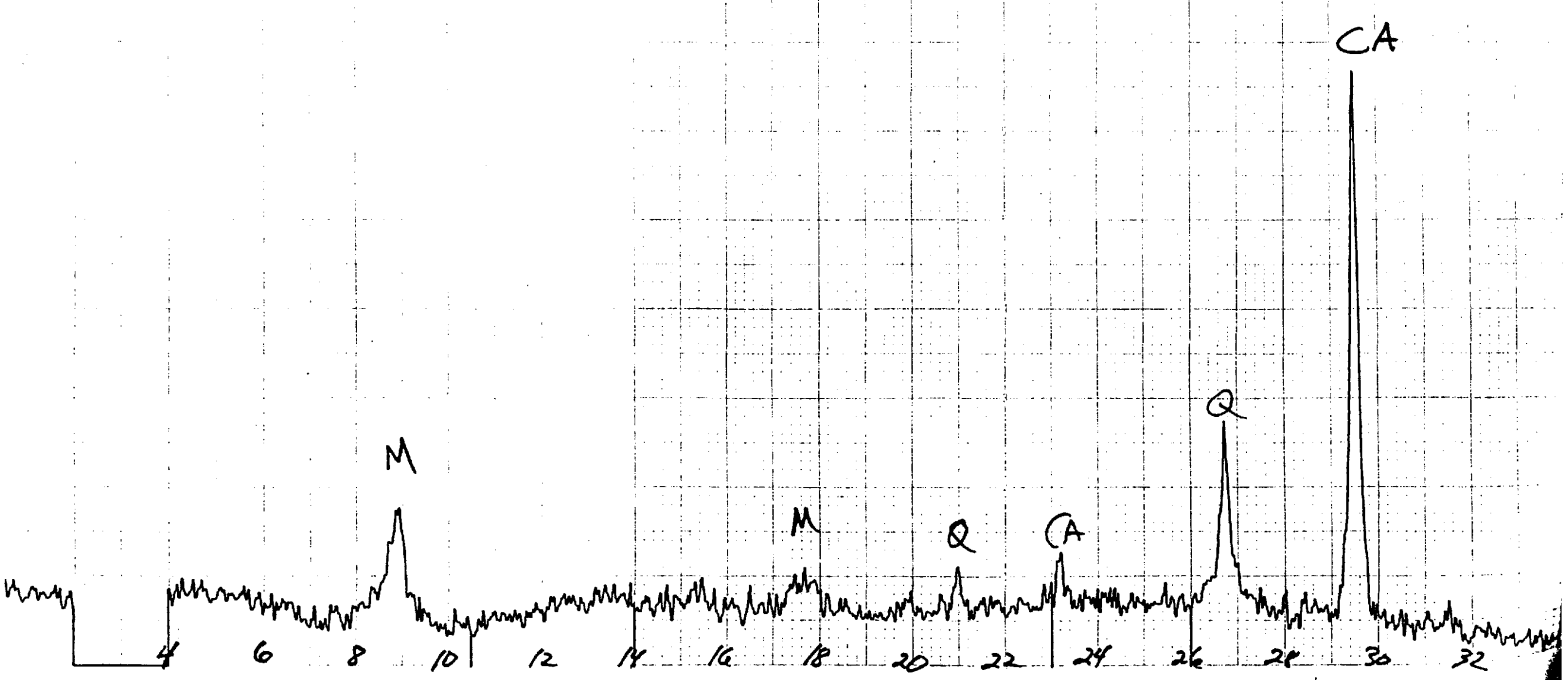

521 - 10303
Mg - glycol
Q, M, I/S
C
M, I/S
C
I/S
I/S
M
C
C
Q
?
K
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K →

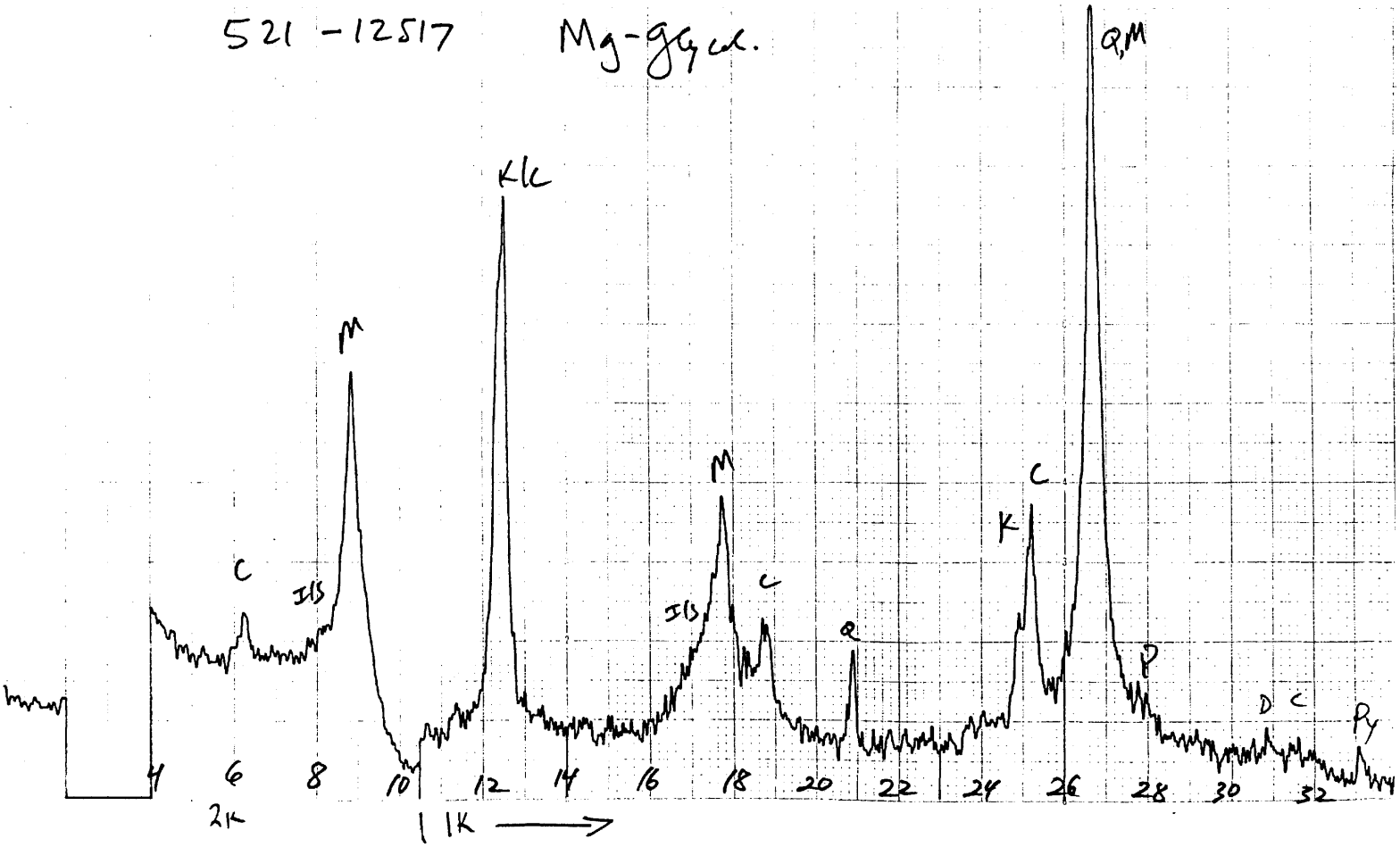

521- 11001
Mg-glycol
M, I/s
K/C
C I/s
Q, M, I/s
K
C
M
I/s
C
Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →

521 - 11708 Mg-glycol

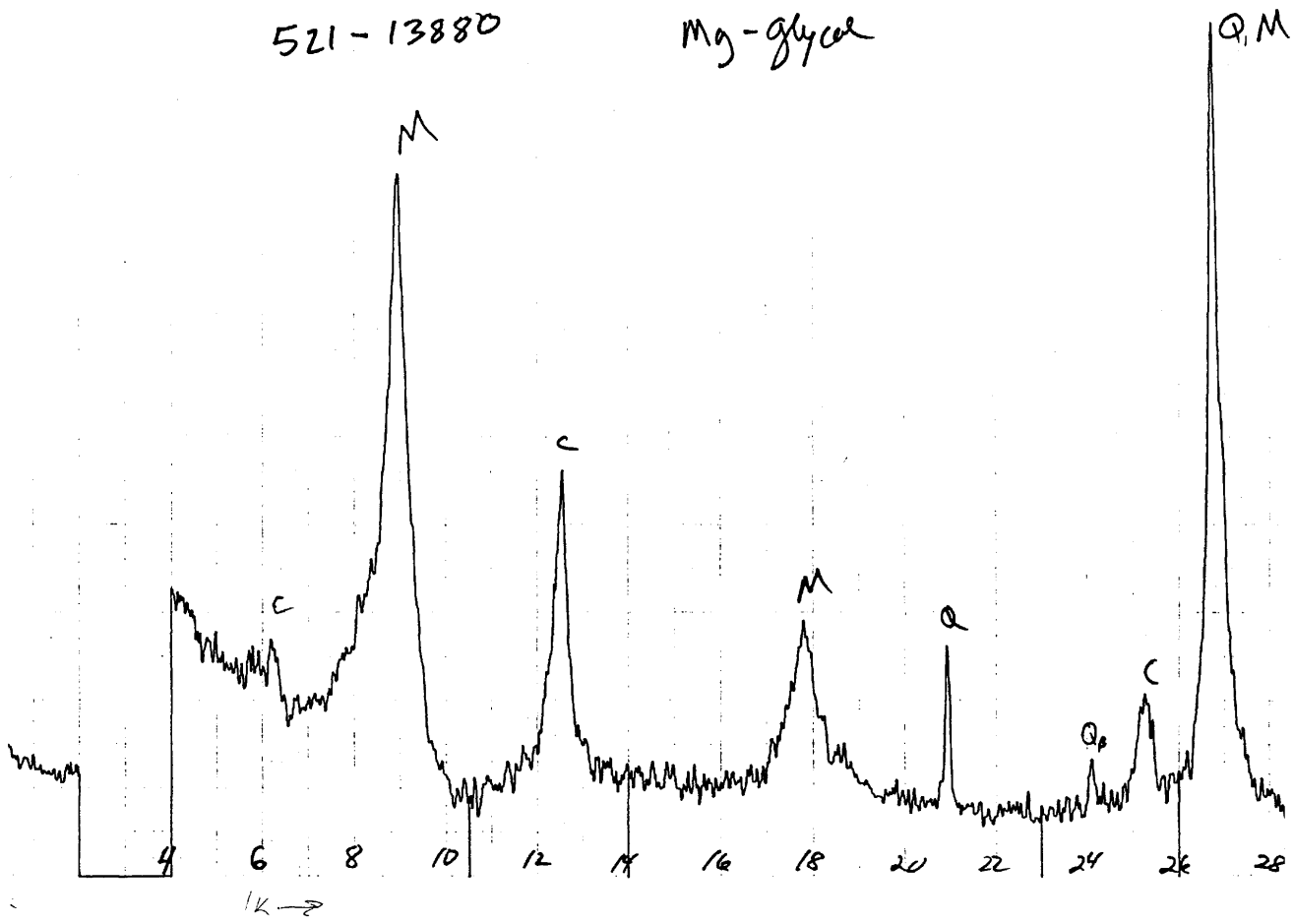


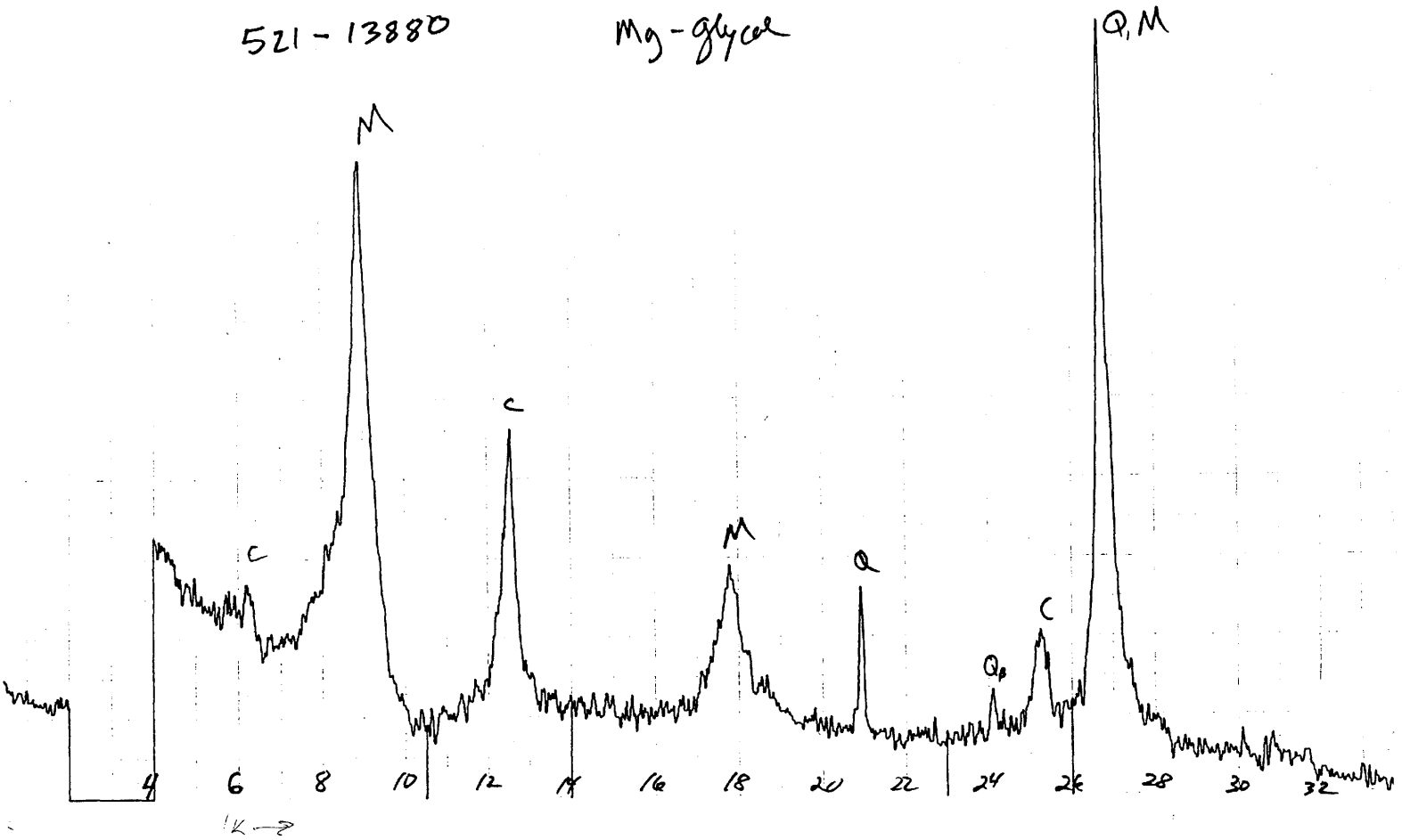
521-12282 Mg-glycol.




521 -12517
Mg-gly cal.
C
IS
M
KK
M
IS
C
Q
K
C
Q,M
P
D
C
Py
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

521-13880 Mg-glycol




521 - 13880
Mg - glycol
Q, M
M
C
C
M
Q
Qβ
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
°2θ →

EAST SIMPSON NO.2 (ST. NO. 522)

DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
2379	-	MIN	MOD	MOD	MOD	Q1,P
2408-10	-	MIN	MOD	MOD	MOD	Q,P
3990-4020	-	MIN	MOD	MAJ	MOD	Q1,P
4470-4506	-	MOD	MOD	MAJ	MOD	Q2,P
5040-70	-	MOD	MOD	MAJ	MOD	Q1,P
5580-5610	-	MIN	MOD	MAJ	MOD	Q1,P1
6057-58	-	MIN	MOD	MOD	MAJ	Q1,P1
6084	-	MIN	MOD	MAJ	MOD	Q2,P1
6090-6120	-	MIN	MOD	MAJ	MOD	Q1,P
6240-70	-	MOD	MOD	MOD	MOD	Q
6340	-	MAJ	-	-	MOD	Q?
6350	-	MOD	MOD	MOD	MOD	Q1
6360	-	MOD	MOD	MOD	MOD	Q2,P
6368	-	MIN	MOD	MOD	MOD	Q3,P1
6510-40	-	MOD	MOD	MOD	MOD	Q
6710-20	-	MIN	MOD	MAJ	MOD	Q1,P
6900-10	-	MOD	MOD	MOD	MOD	Q1,P
7200-20	-	MOD	MOD	MOD	MAJ	Q

Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, D = Dolomite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.

1 = weak, 2 = moderate, 3 = strong xrd peak

RECEIVED
MAR 12 1984
Alaska Oil & Gas Cons. Commission
Anchorage

17 P.

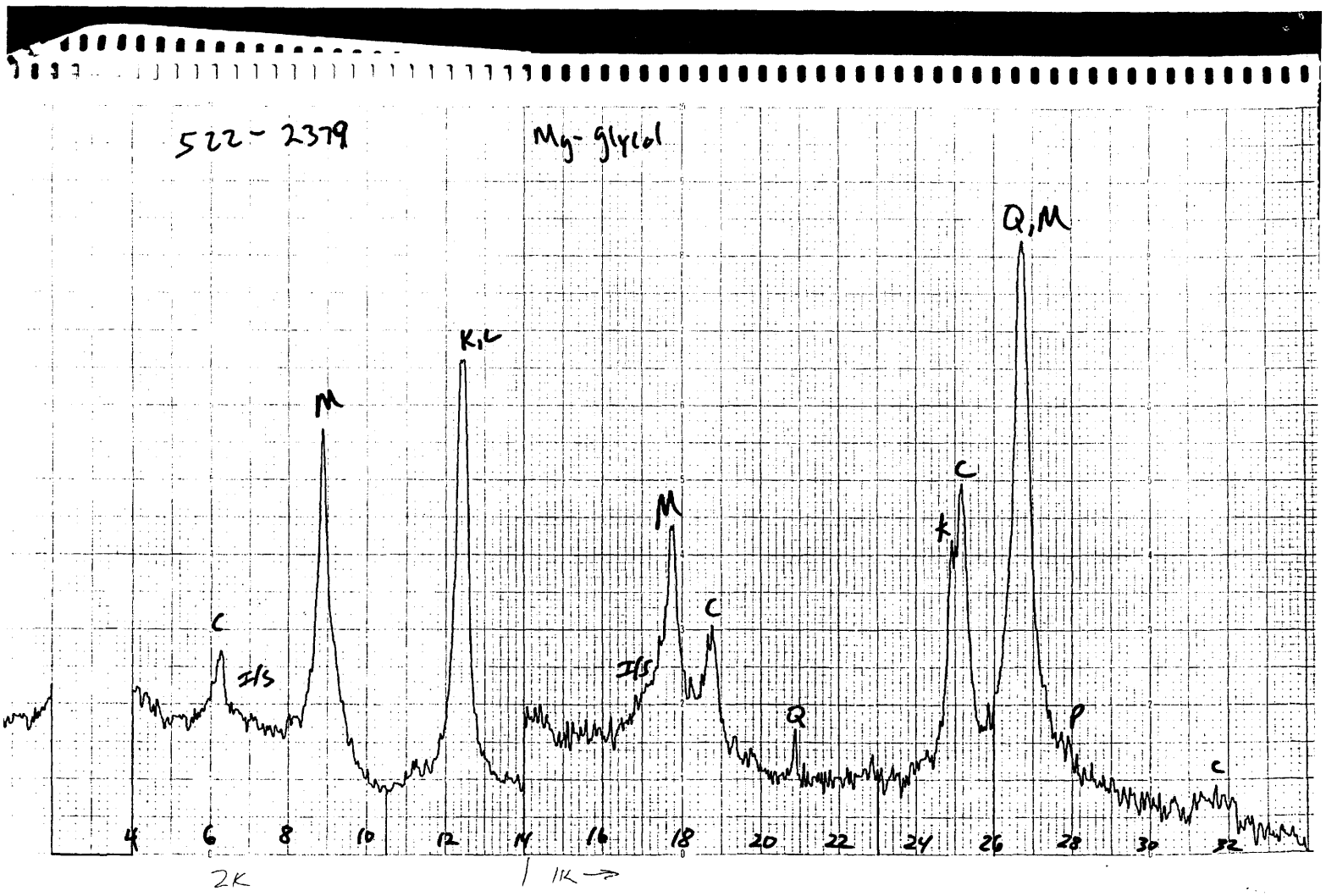
EAST SIMPSON NO.2 (ST. NO. 522)

DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
2379	-	MIN	MOD	MOD	MOD	Q1,P
2408-10	-	MIN	MOD	MOD	MOD	Q,P
3990-4020	-	MIN	MOD	MAJ	MOD	Q1,P
4470-4506	-	MOD	MOD	MAJ	MOD	Q2,P
5040-70	-	MOD	MOD	MAJ	MOD	Q1,P
5580-5610	-	MIN	MOD	MAJ	MOD	Q1,P1
6057-58	-	MIN	MOD	MOD	MAJ	Q1,P1
6084	-	MIN	MOD	MAJ	MOD	Q2,P1
6090-6120	-	MIN	MOD	MAJ	MOD	Q1,P
6240-70	-	MOD	MOD	MOD	MOD	Q
6340	-	MAJ	-	-	MOD	Q?
6350	-	MOD	MOD	MOD	MOD	Q1
6360	-	MOD	MOD	MOD	MOD	Q2,P
6368	-	MIN	MOD	MOD	MOD	Q3,P1
6510-40	-	MOD	MOD	MOD	MOD	Q
6710-20	-	MIN	MOD	MAJ	MOD	Q1,P
6900-10	-	MOD	MOD	MOD	MOD	Q1,P
7200-20	-	MOD	MOD	MOD	MAJ	Q

Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, D = Dolomite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.

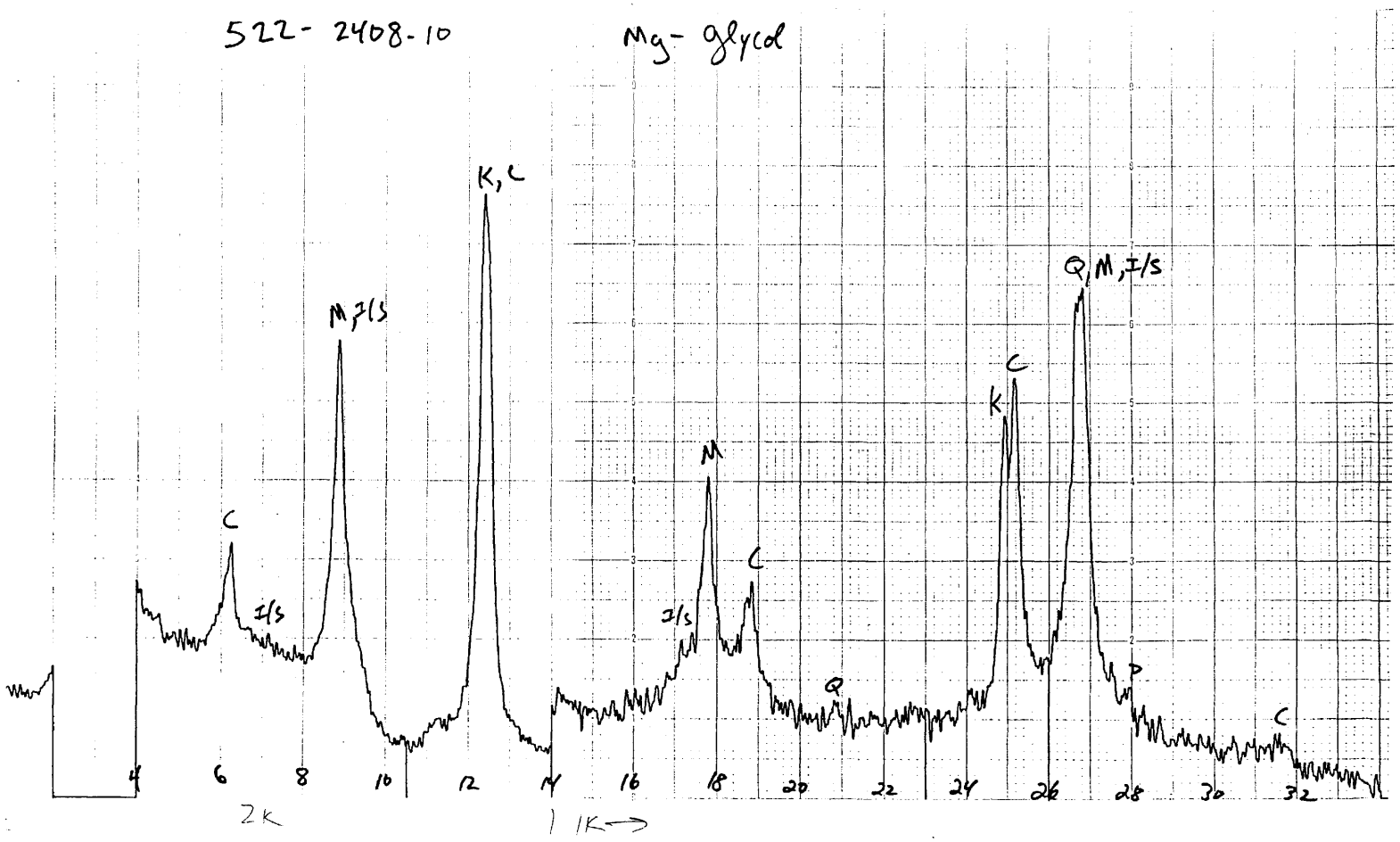
1 = weak, 2 = moderate, 3 = strong xrd peak

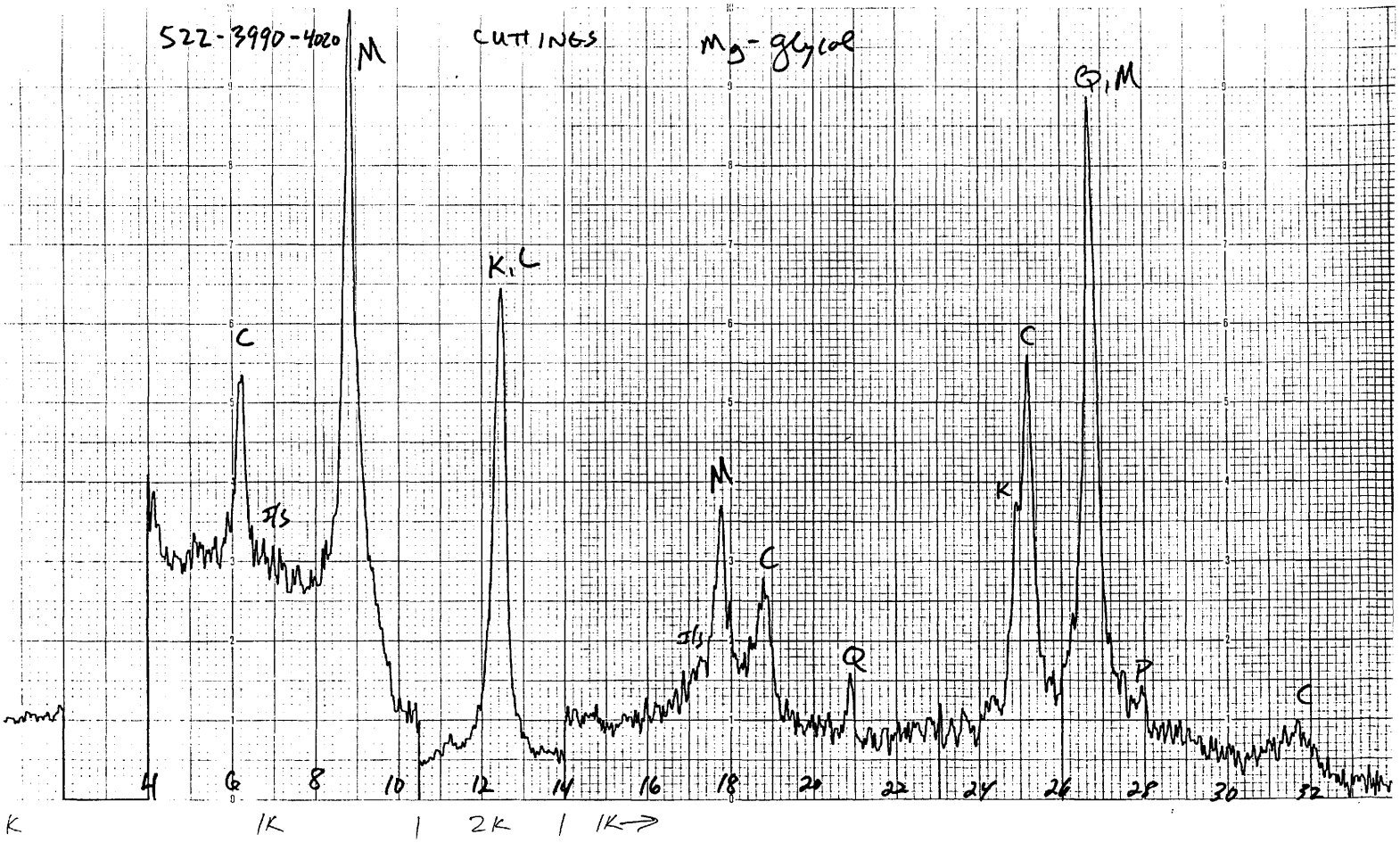
RECEIVED
MAR 12 1984
Alaska Oil & Gas Conservation Commission
Anchorage


522-2379
Mg-glycol
Q,M
K,L
M
C
M
C
k
C
I/S
I/S
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

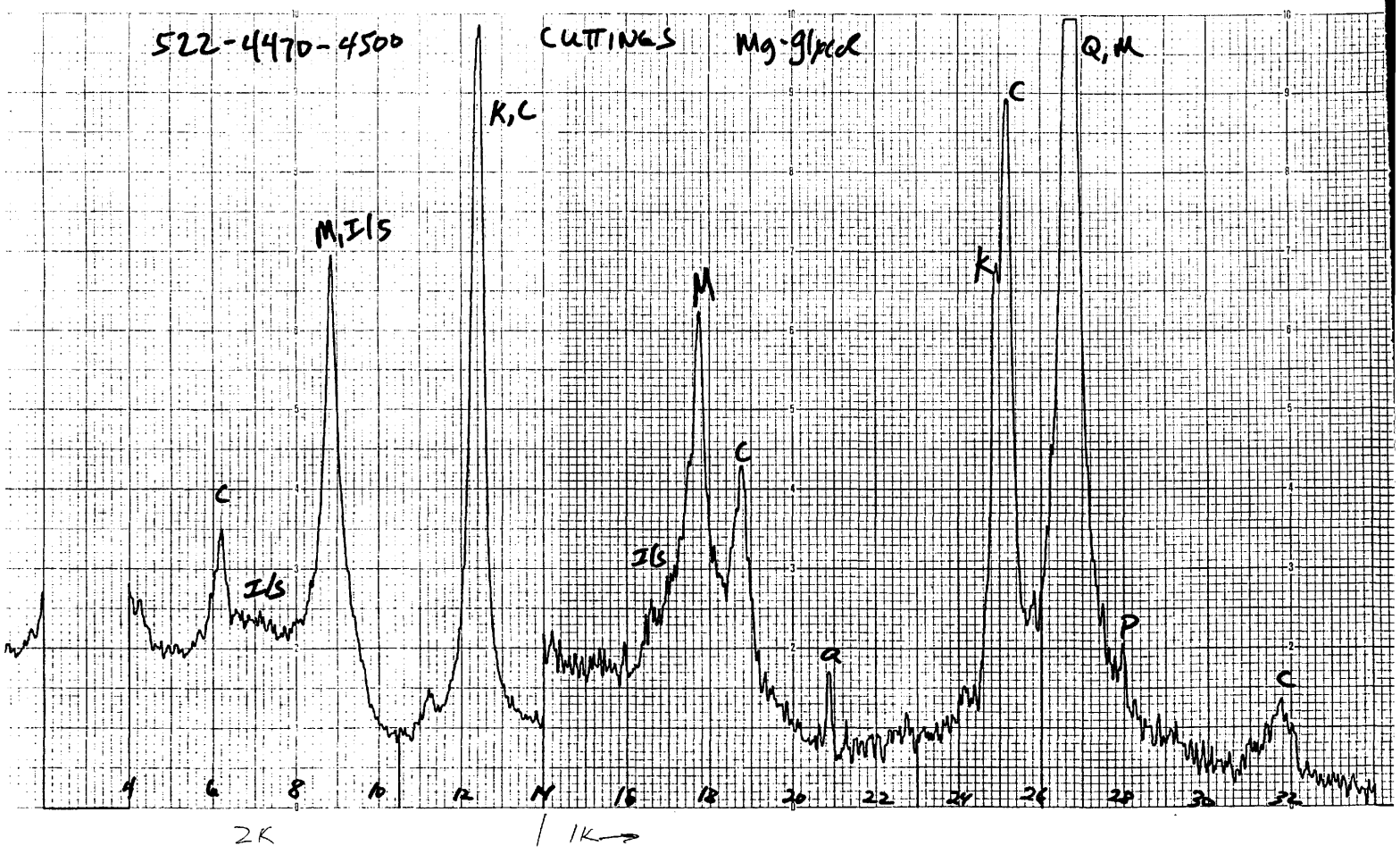
522- 2408-10

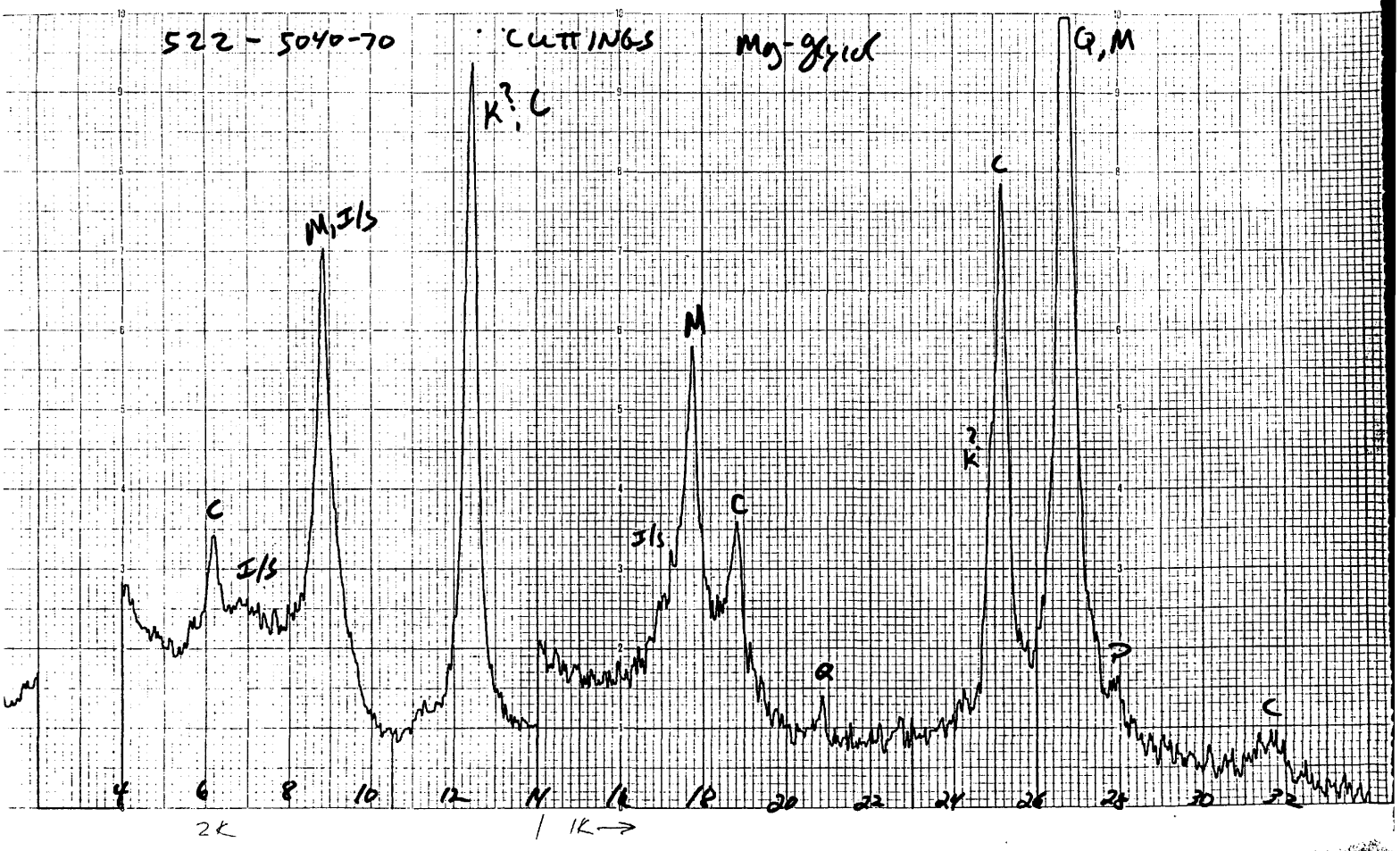
Mg- glycol



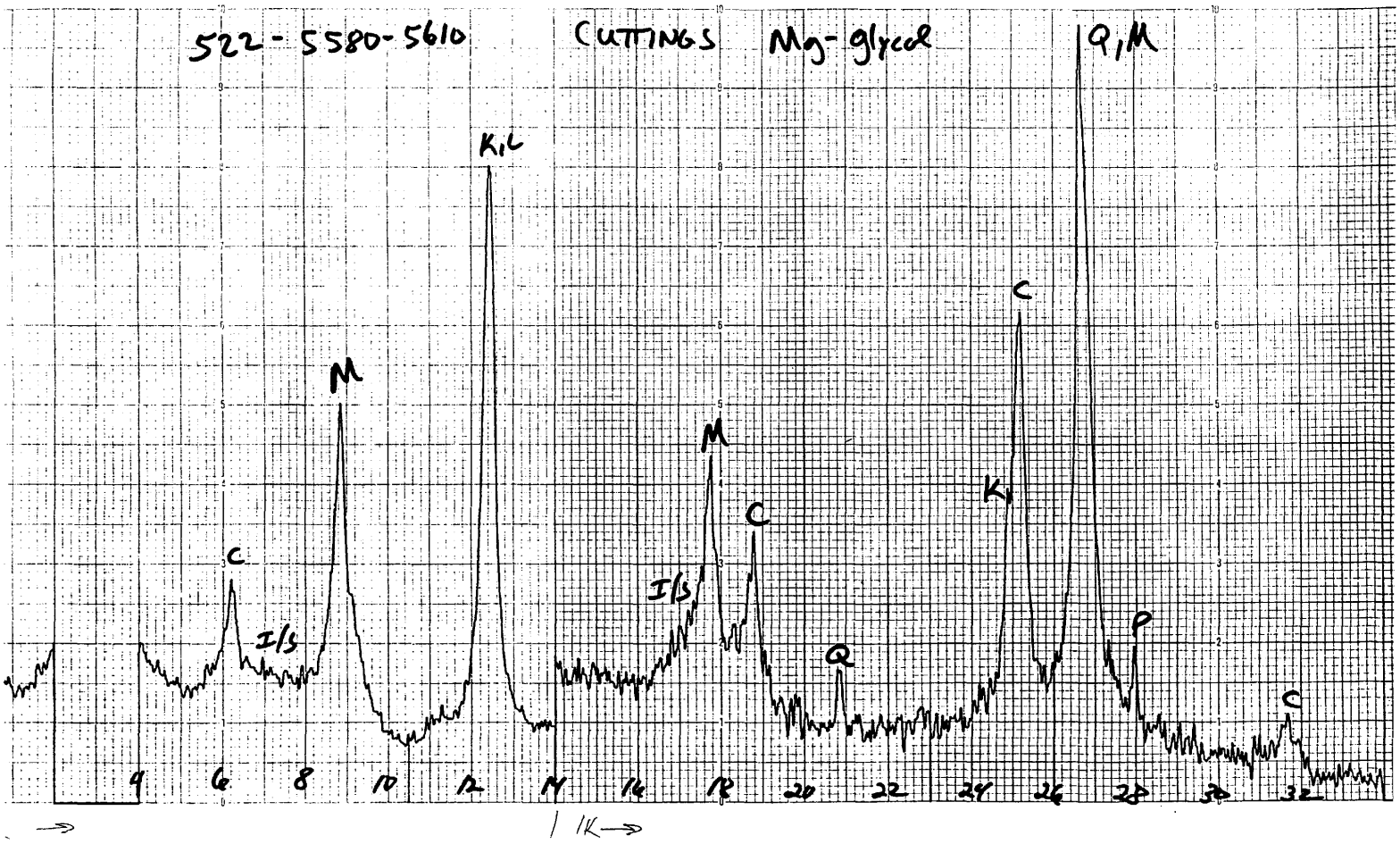


No. GC 29314 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

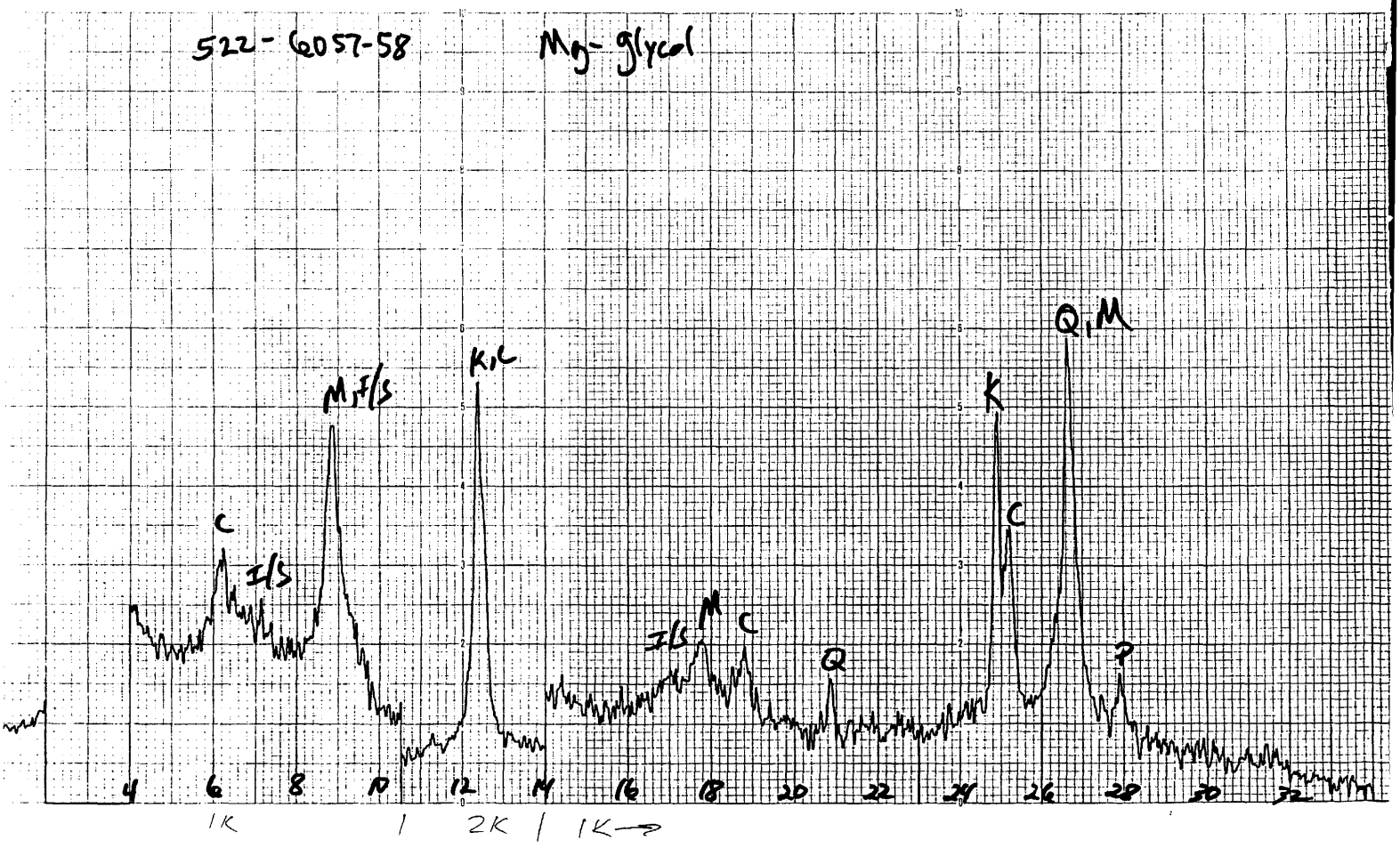

522-4470-4500
CUTTINGS
Mg-glycol
Q,M
K,C
C
M,I/S
M
K
C
C
I/S
I/S
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

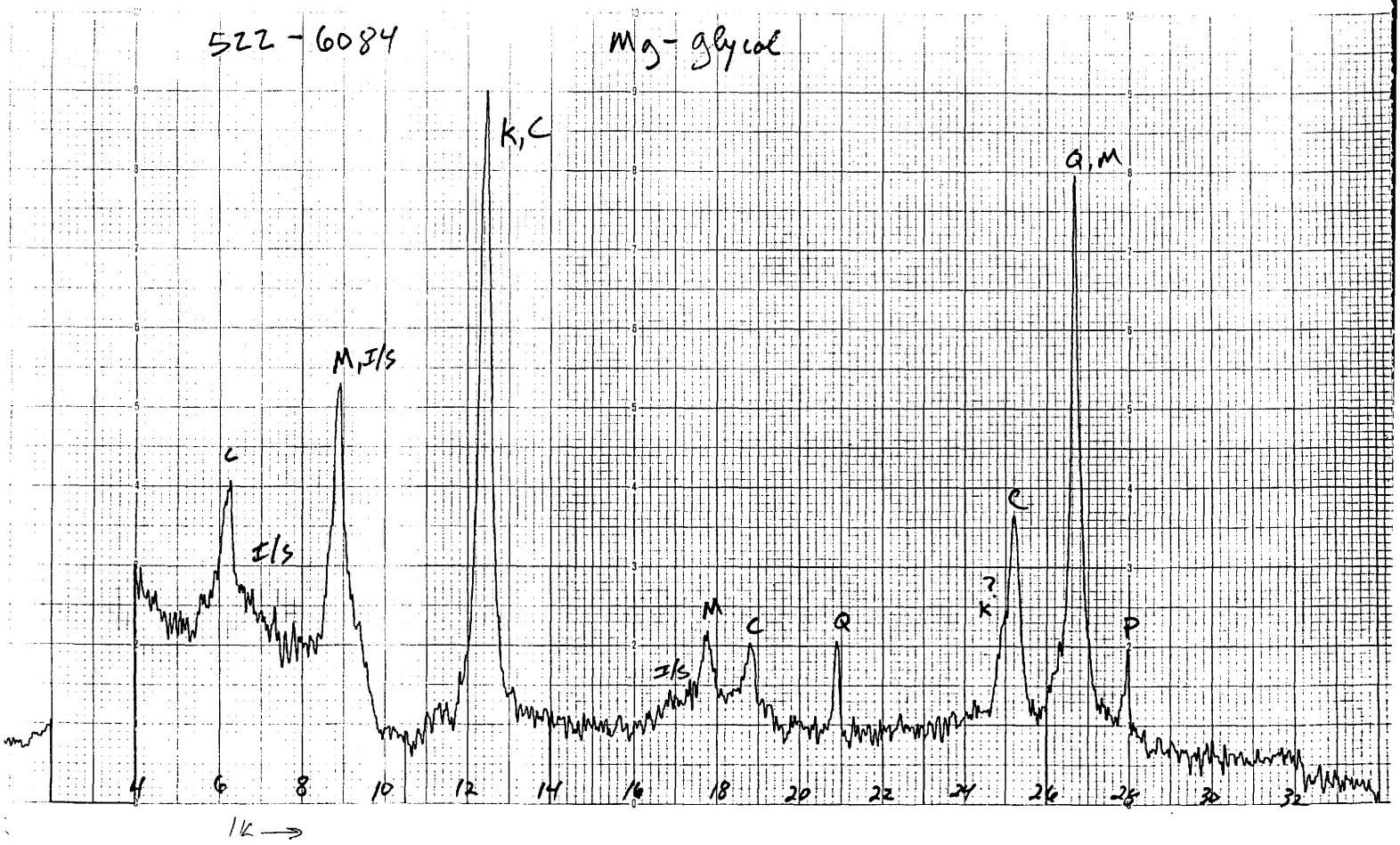


No. LC 2574 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

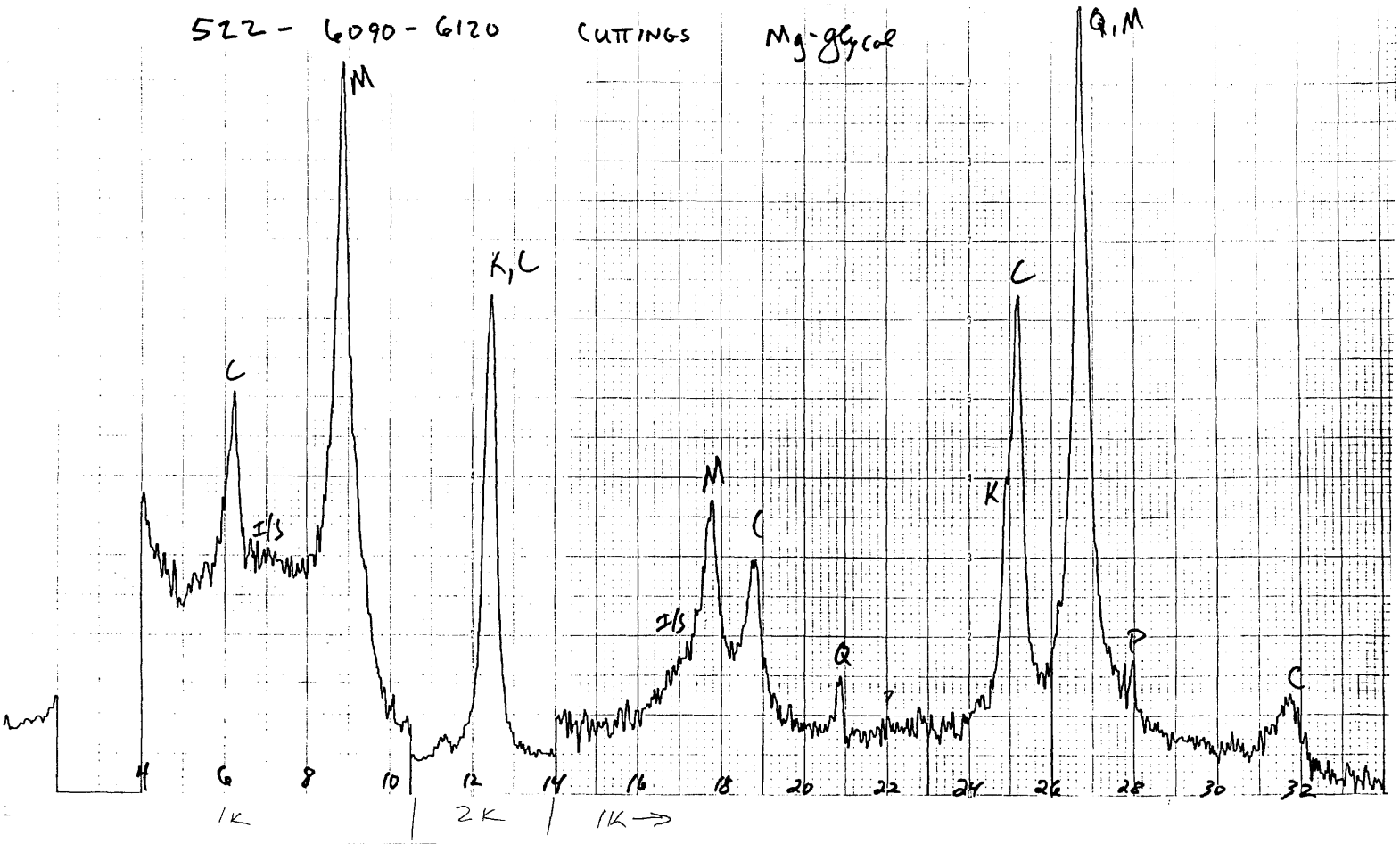


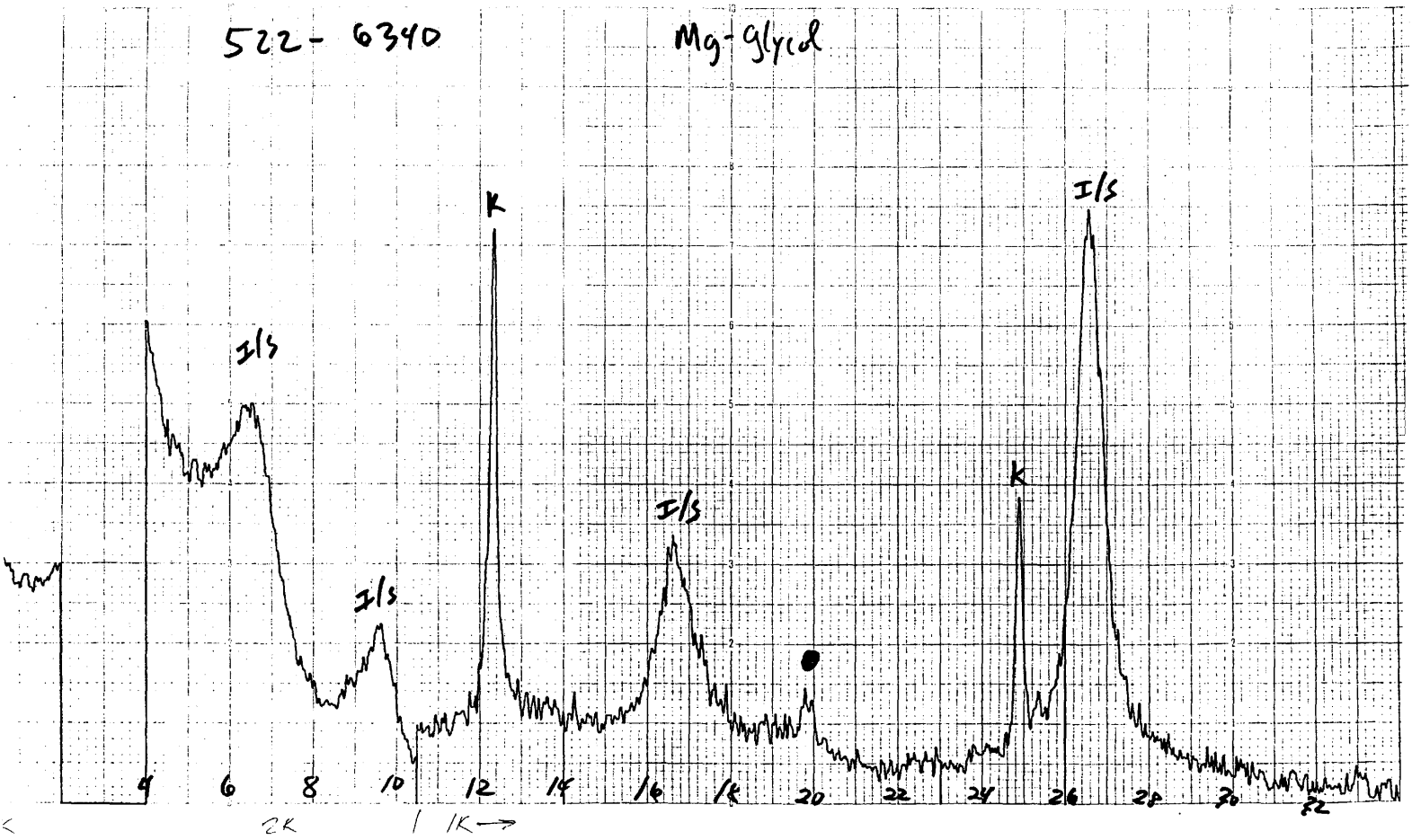
PRINTED IN U.S.A. No GC 2537H RECORDER CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

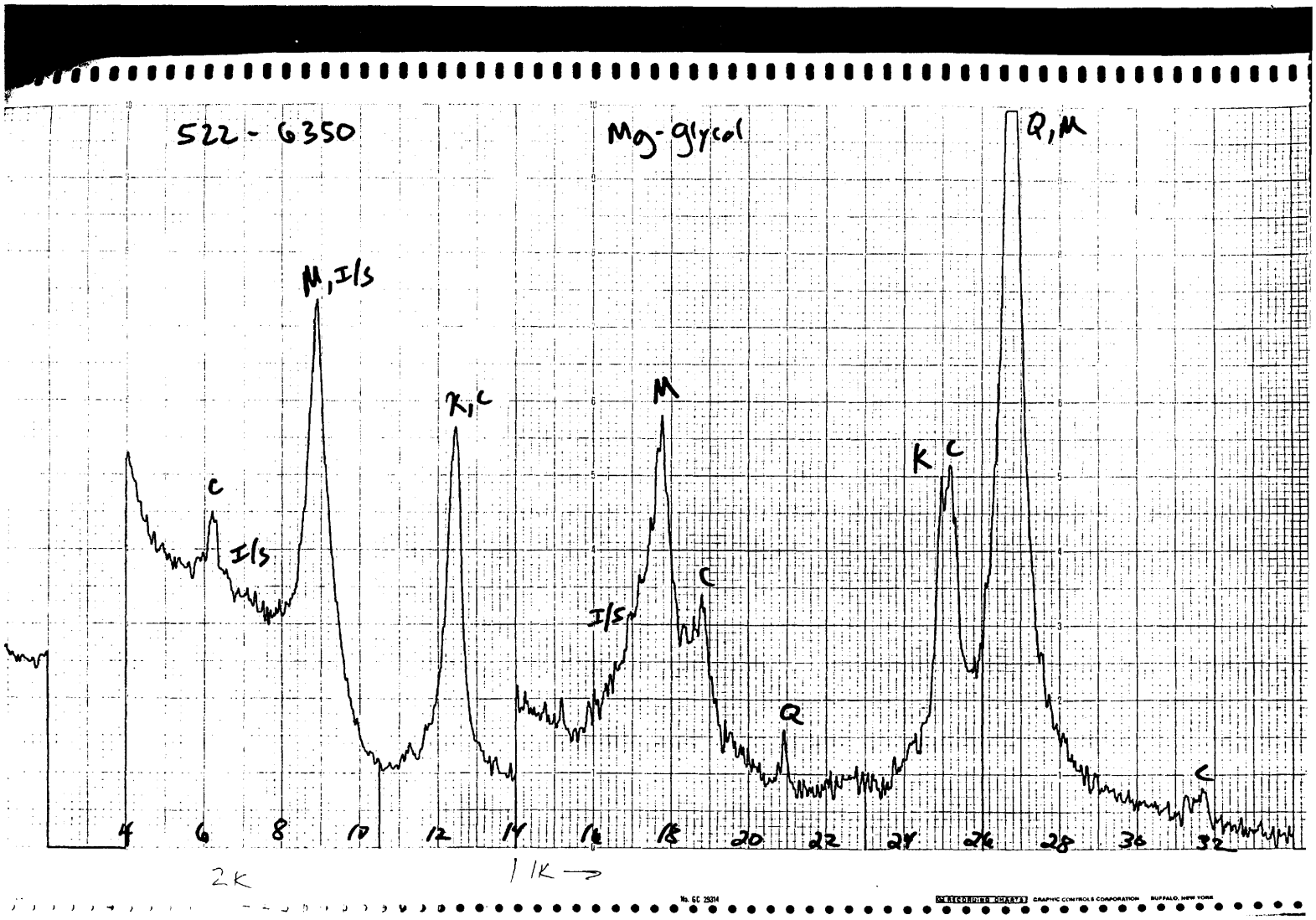

522-6057-58
Mg-glycol
C
I/S
M, I/S
K, C
I/S
M
C
Q
K
C
Q, M
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
1
2K
1K

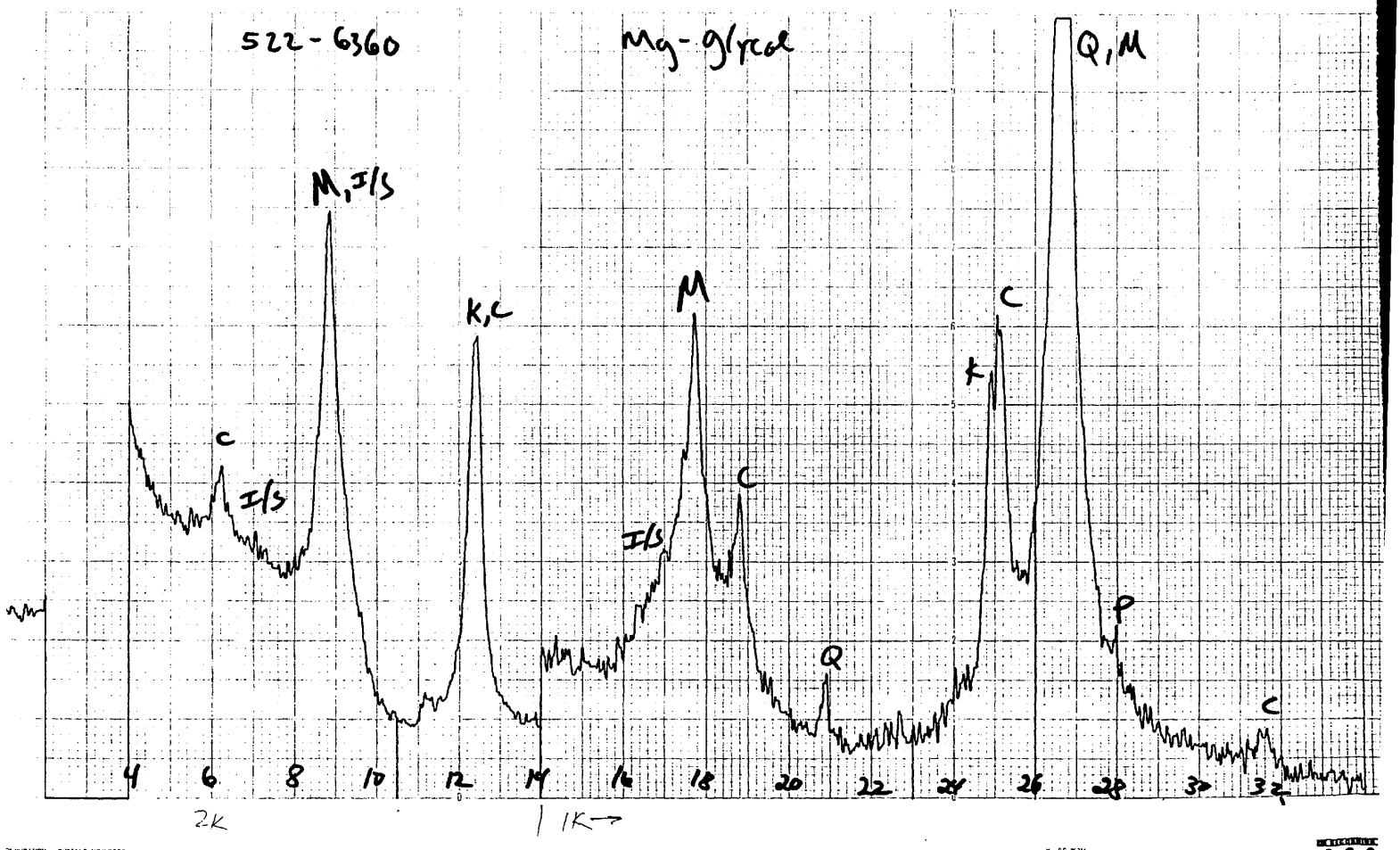


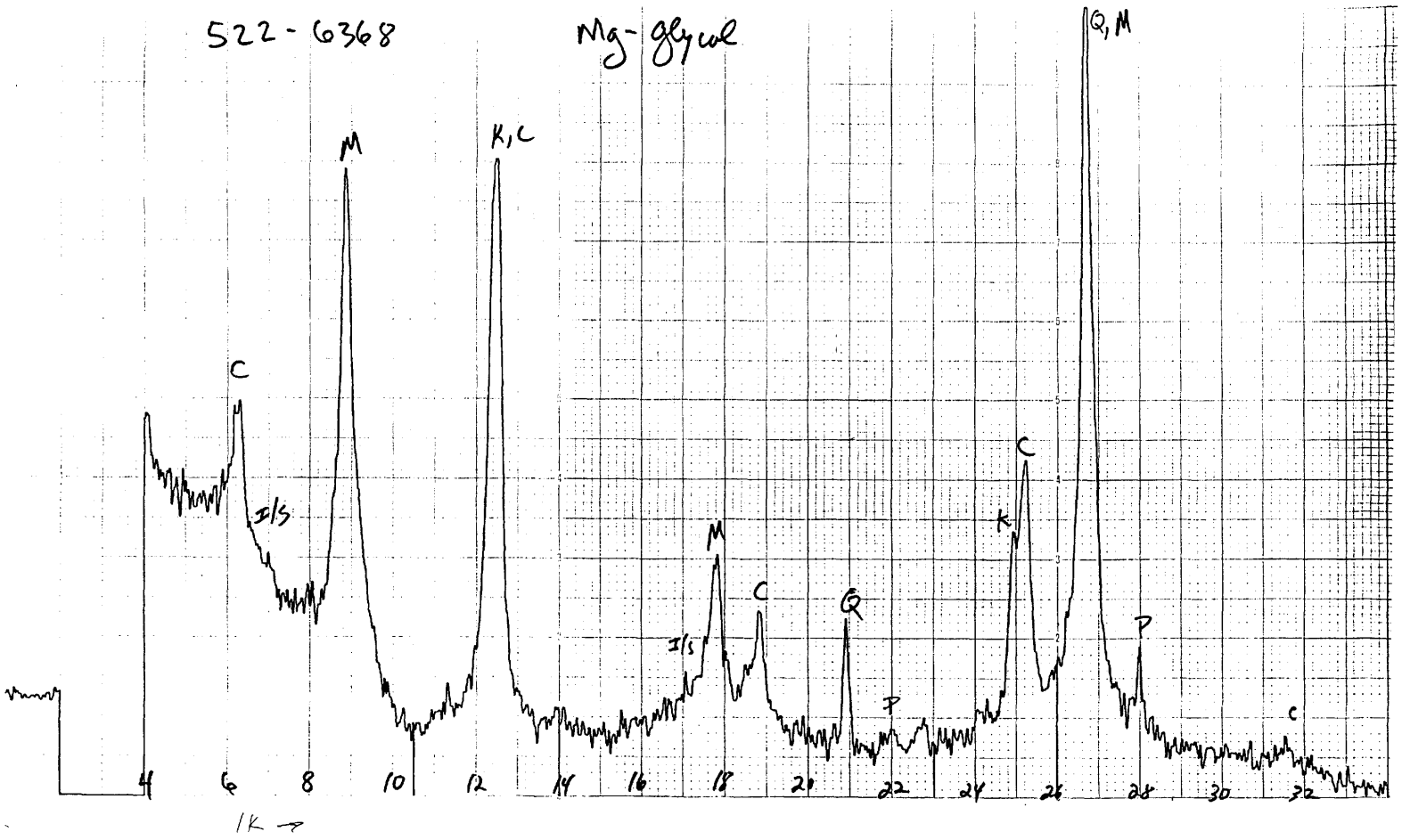
No. GC 29314 GC RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

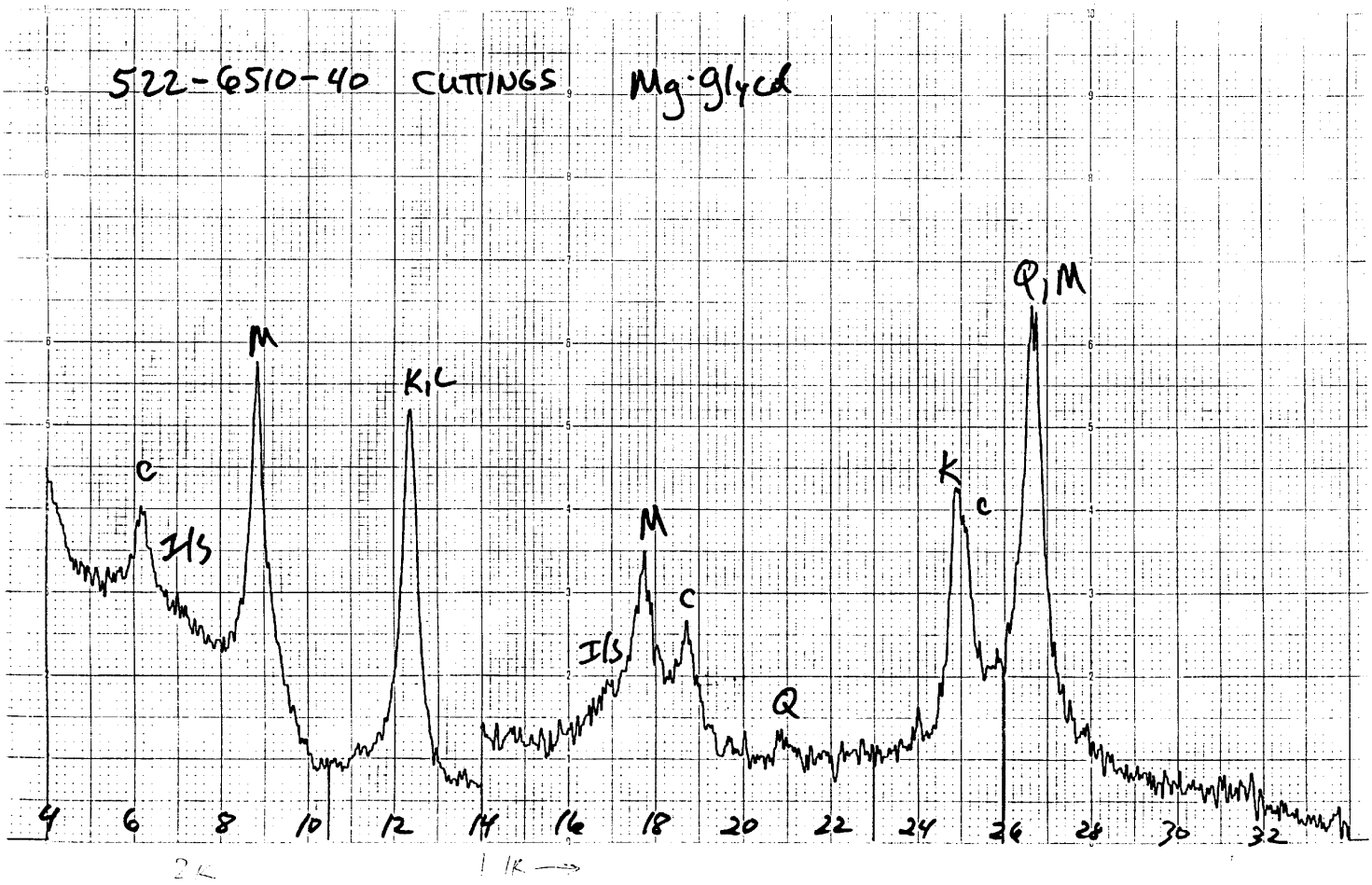

522 - 6090 - 6120 CUTTINGS Mg-glycol
M
K,C
C
I/S
M
C
I/S
Q
C
K
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K →

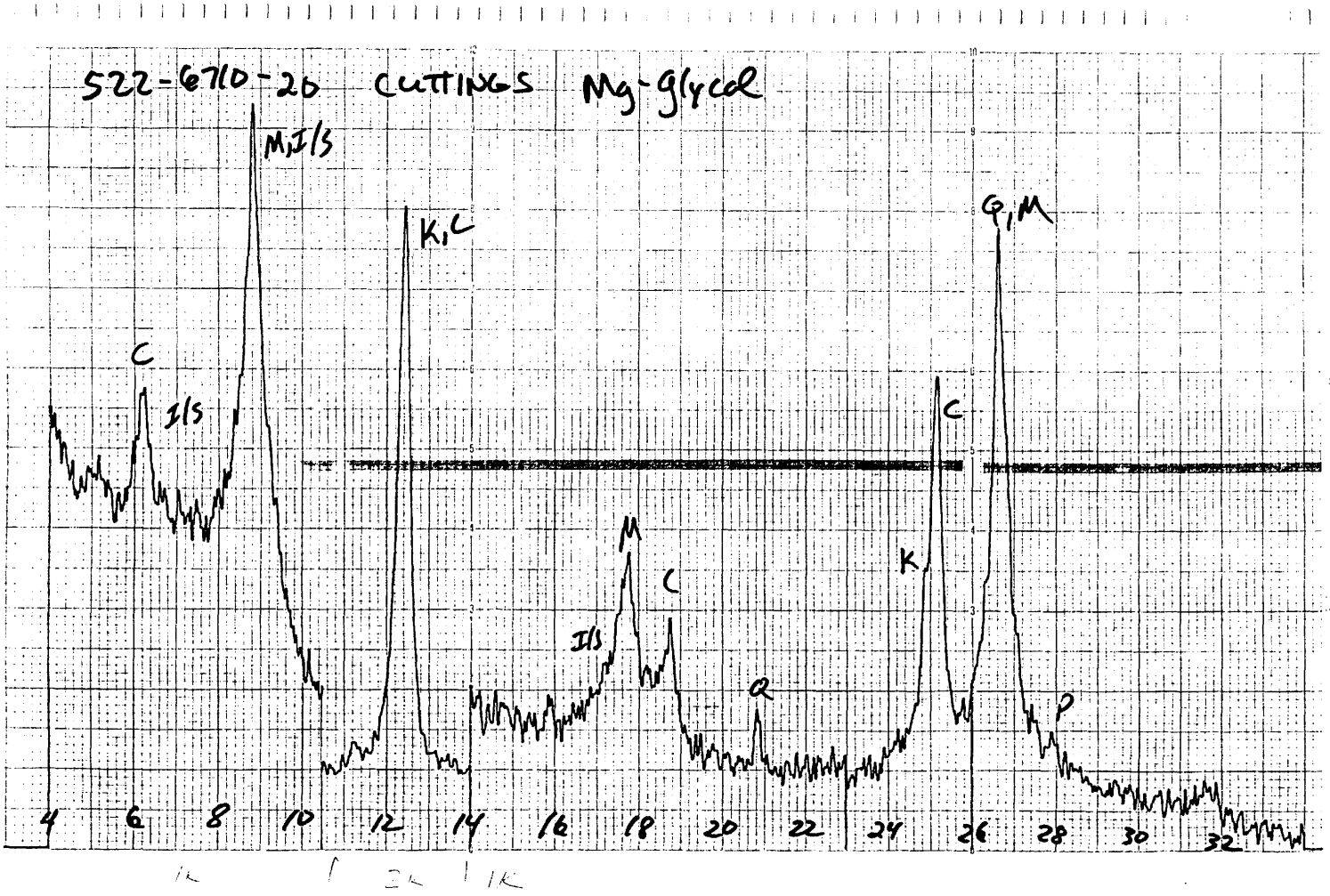

522- 6340
Mg-glycol
I/s
K
I/s
I/s
I/s
K
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

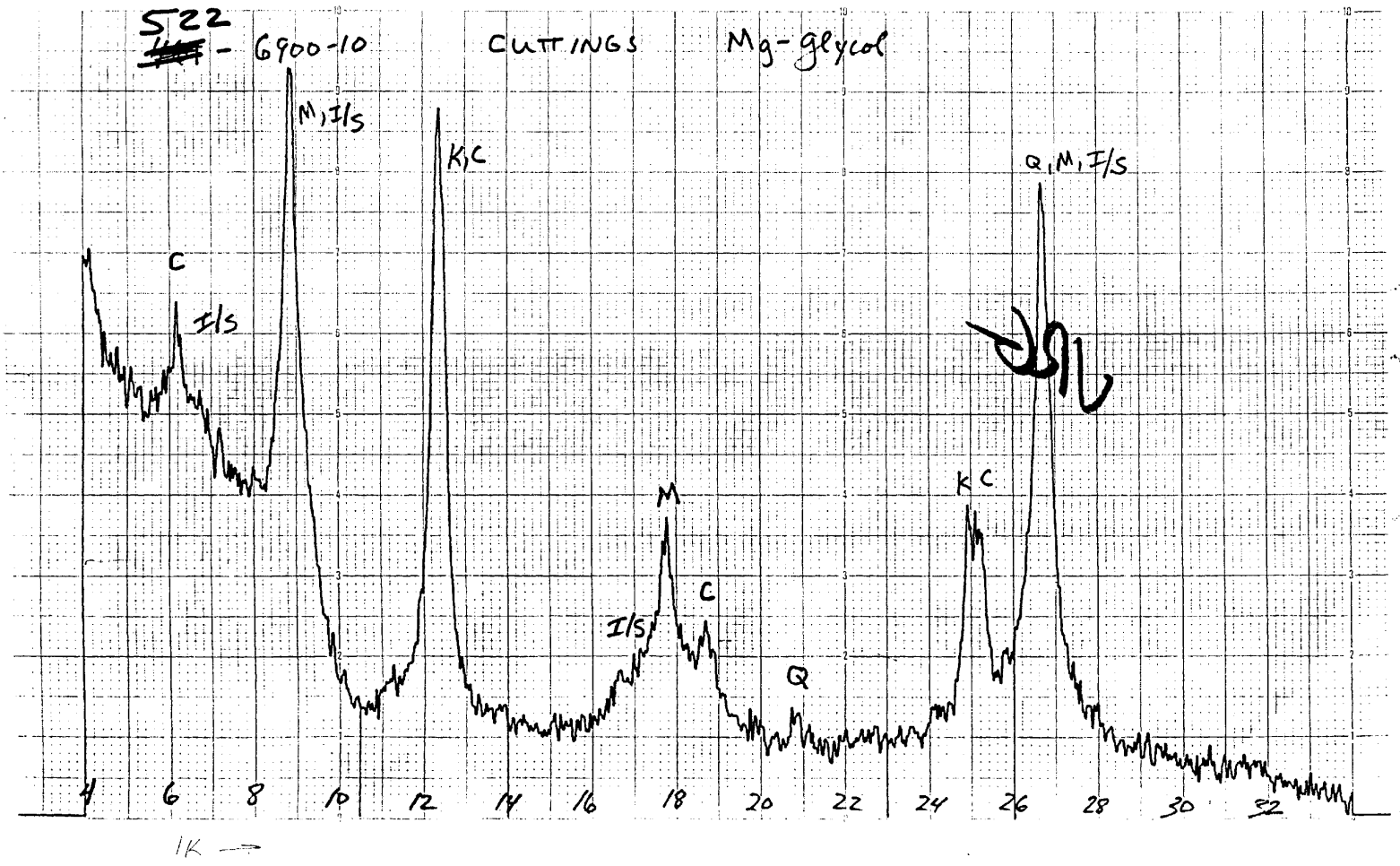

522 - 6350
Mg-glycol
Q,M
M,I/s
K,C
M
K C
C
I/s
I/s
C
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K →

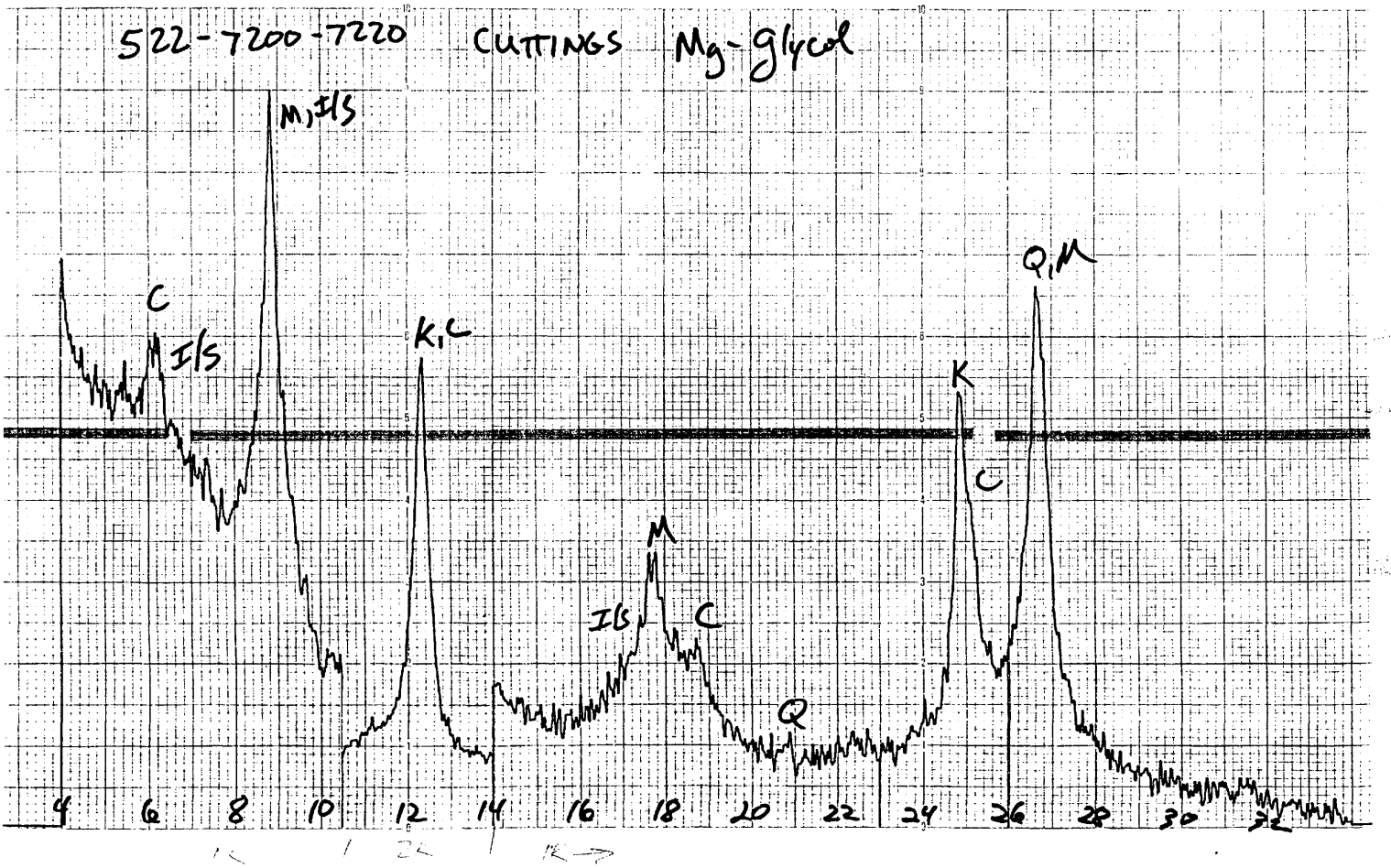

522-6360
Mg-glycol
Q,M
M,I/S
K,C
M
C
k
C
c
I/S
I/S
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


522-6368
Mg-glycol
M
K,C
C
I/S
M
I/S
C
Q
P
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →


522-6510-40 CUTTINGS Mg·glycol
C
I/S
M
K,C
I/S
M
C
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


522-6710-20 CUTTINGS Mg-glycol
M,I/S
K,C
G,M
C
I/S
C
M
C
I/S
K
Q
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32

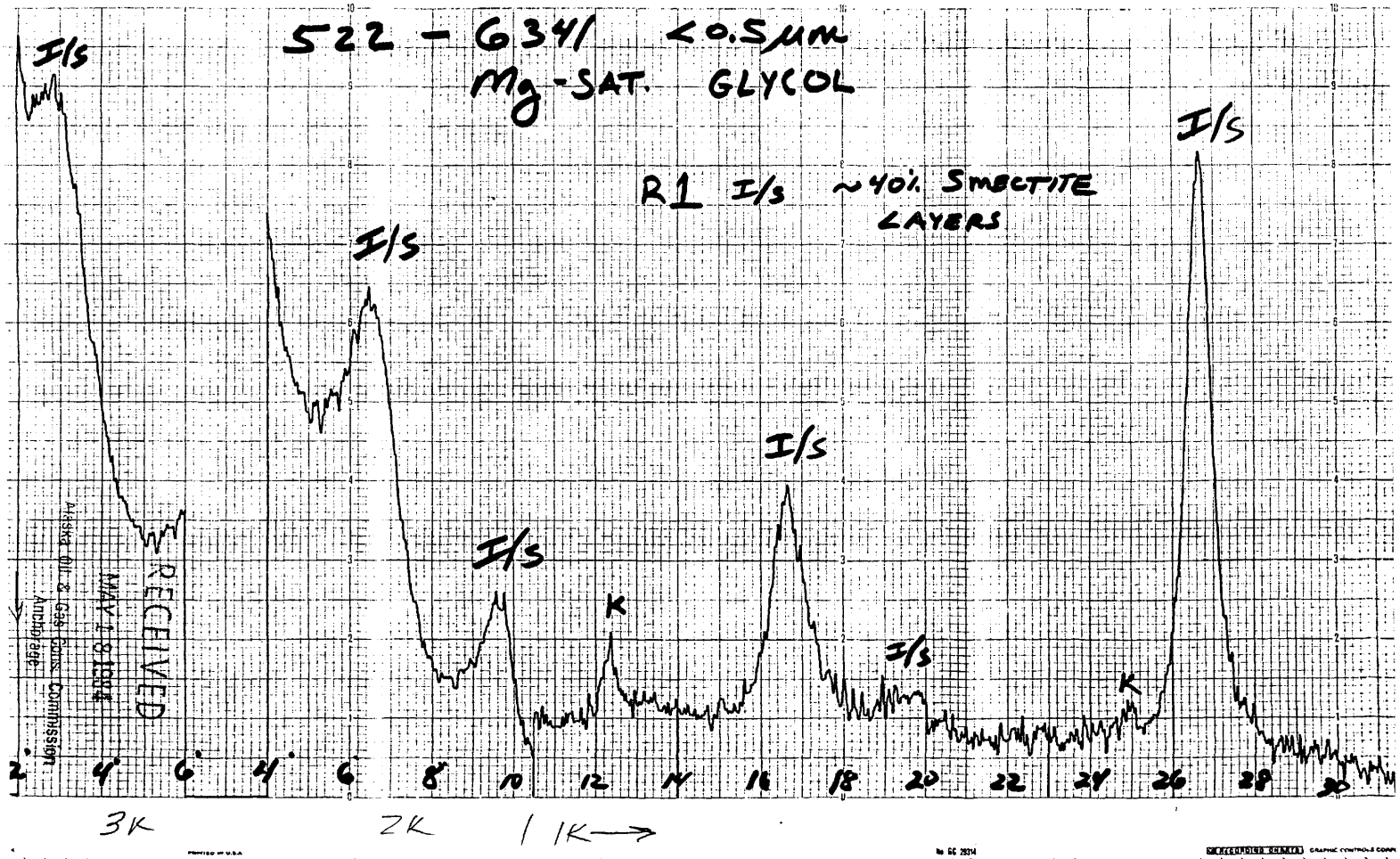

522
- 6900-10
CUTTINGS
Mg-glycol
M, I/S
K, C
Q, M, I/S
C
I/S
M
C
I/S
Q
K C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →


522-7200-7220 CUTTINGS Mg-glycol
M, I/S
C
I/S
K, C
M
I/S
C
Q
K
C
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32

Clay Mineral Analysis, E. Simpson #2, State # 522, 6341 ft.

Ordered Illite/Smectite	-	90-95%
Kaolinite	-	5-10%

RECEIVED
MAY 1 8 1984
Alaska Oil & Gas Cons. Commissio
Anchorage



RECEIVED
MAY 1 8 1984
Alaska Oil & Gas Cons. Commission
Anchorage

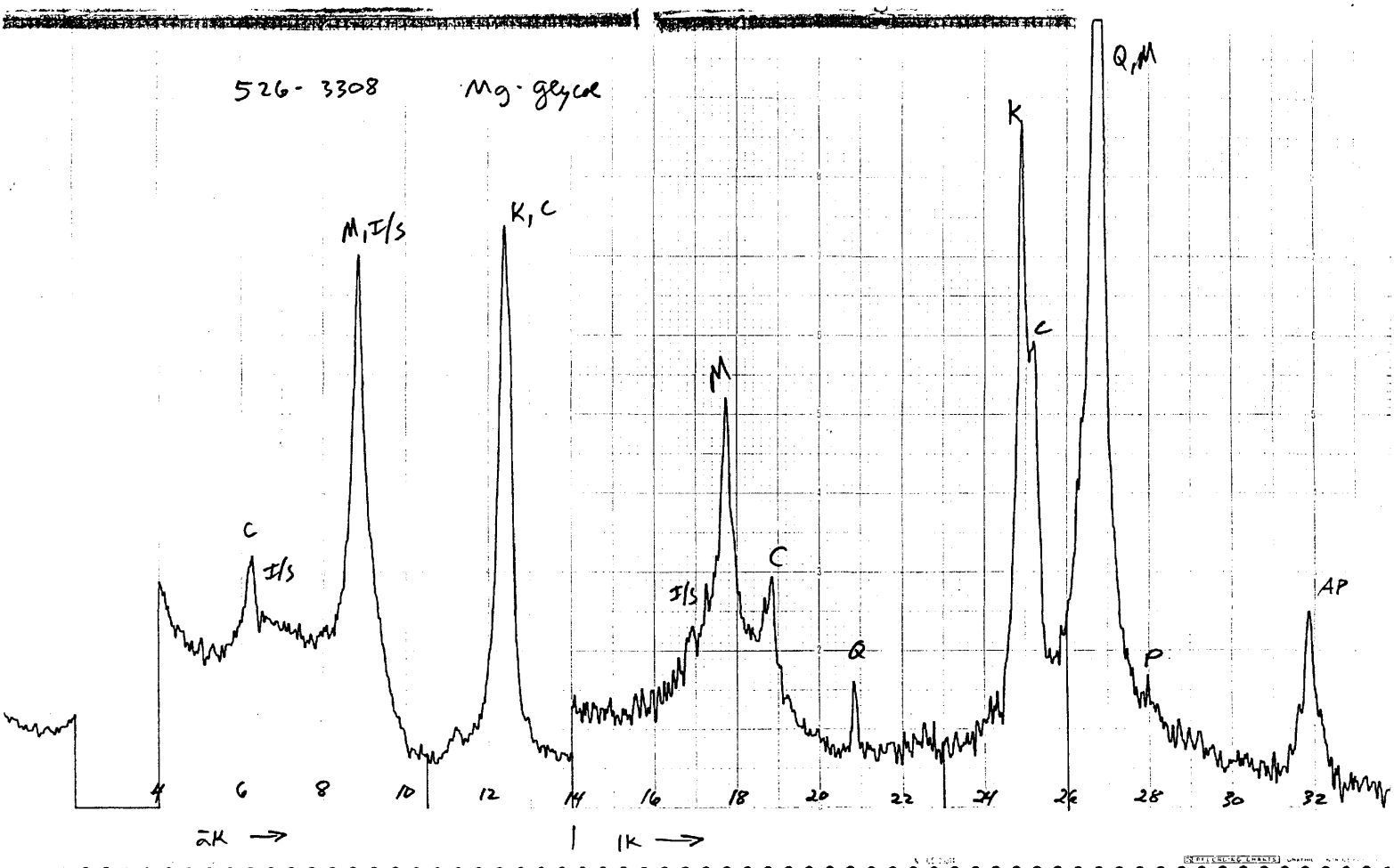
19P M

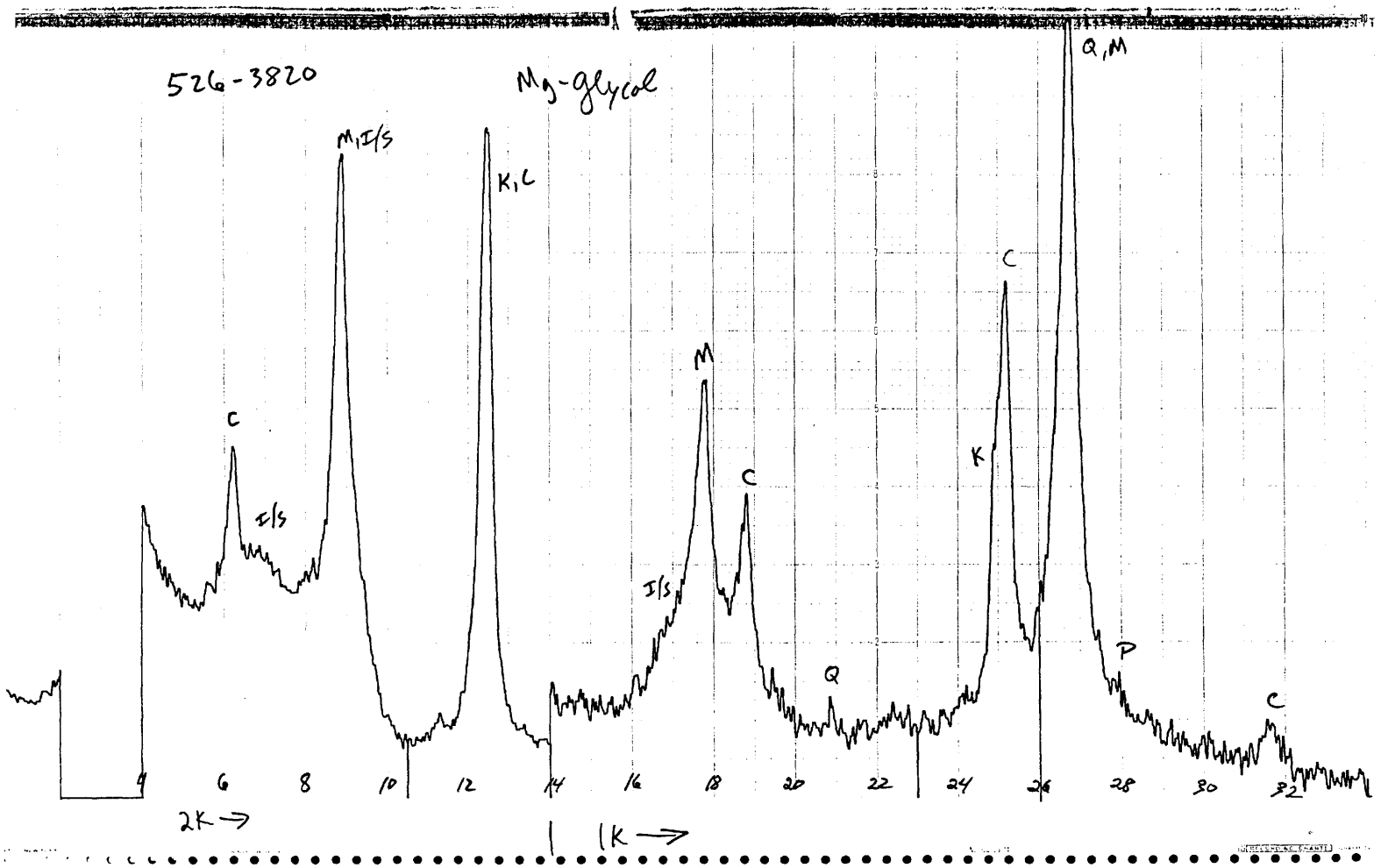
TUNALIK NO. 1 (ST. NO. 526)

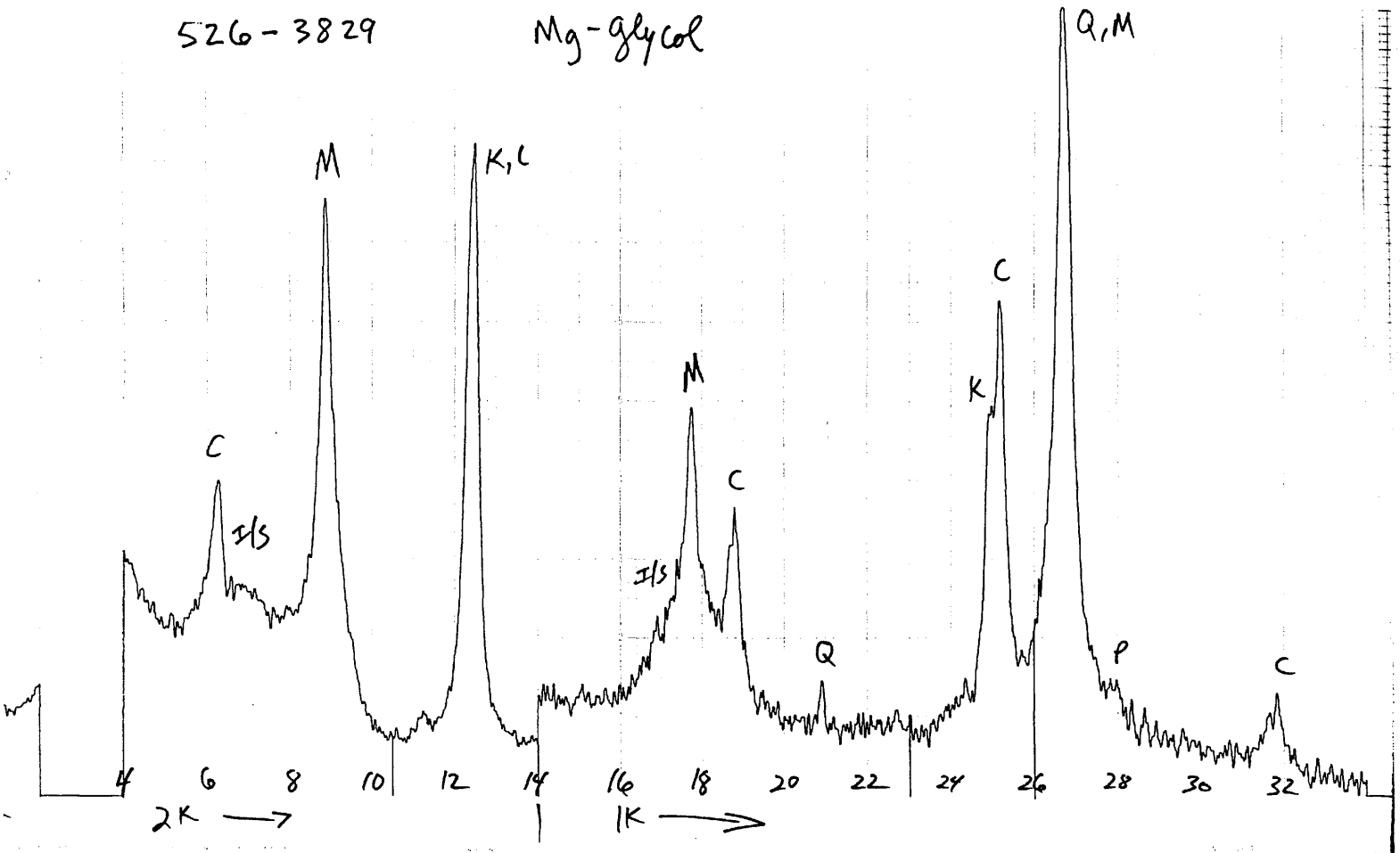
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
3280	-	-	-	-	-	COAL
3308	-	MOD	MOD	MOD	MAJ	Q1
3820	-	MOD	MOD	MAJ	MOD	Q
3829	-	MOD	MOD	MAJ	MOD	Q
5553-57	-	MOD	MAJ	MAJ	-	Q
6506	-	MOD	MAJ	MAJ	-	Q
7871	-	MOD	MAJ	MAJ	MIN	Q
8787	-	MOD	MOD	MAJ	MIN	Q
8808	-	MOD	MOD	MAJ	MIN	Q
10473-75	-	MOD	MOD	MAJ	-	Q1
10499	-	MOD	MAJ	MAJ	TR	Q
10671-73	-	MOD	MOD	MOD	MAJ	Q
10699	-	MOD	MOD	MOD	MAJ	Q
11673	-	MAJ	MAJ	MOD	MOD	Q1
11693	-	MOD	MAJ	MIN	MOD	Q
12571	-	MAJ	MAJ	MIN	MOD	Q
12596-99	-	MOD	MOD	-	MOD	Q
15415-17	-	MOD	MAJ	MAJ	-	Q1
16240-43	-	MIN	MAJ	MAJ	-	Q

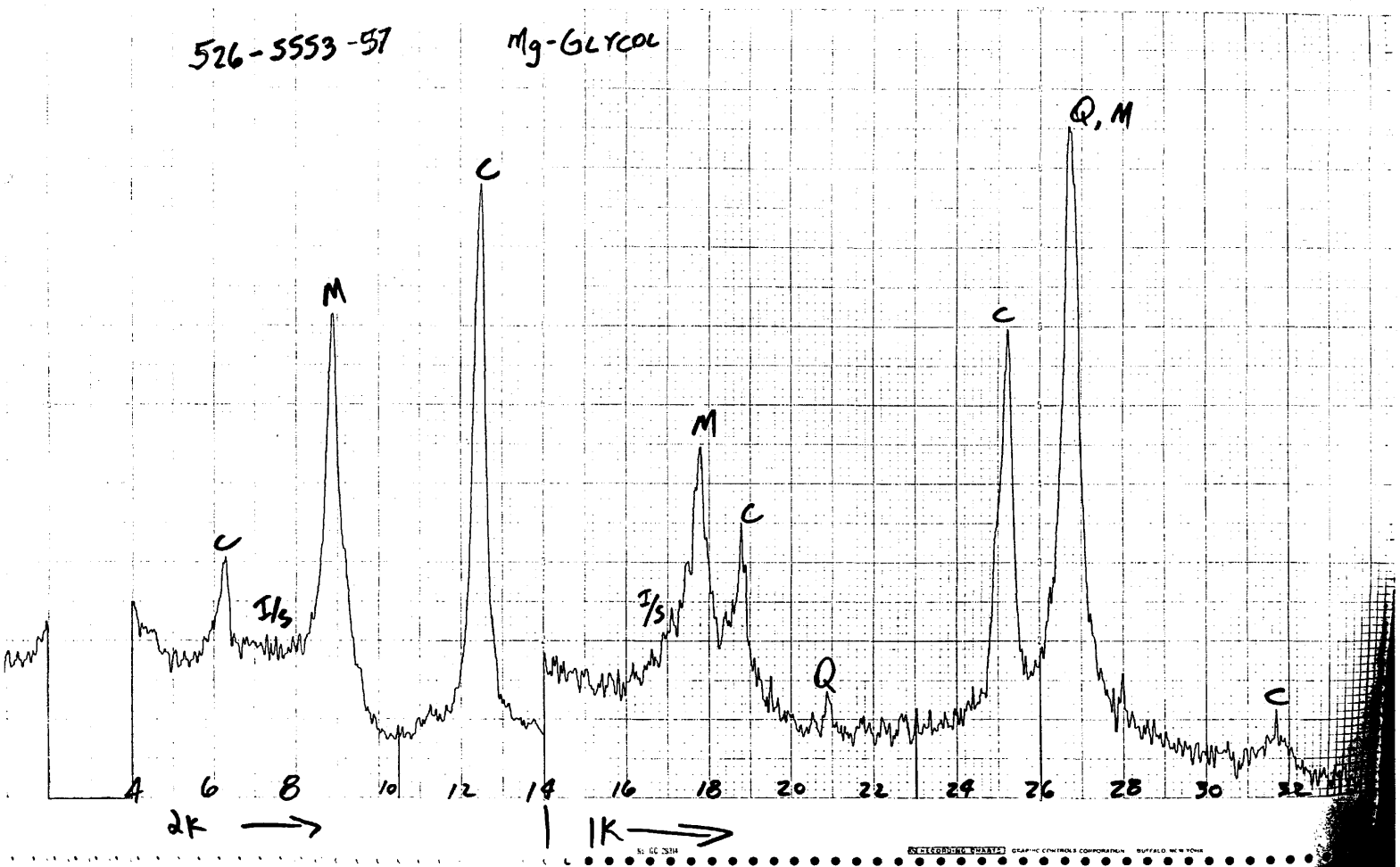
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, D = Dolomite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.
1 = weak, 2 = moderate, 3 = strong xrd peak

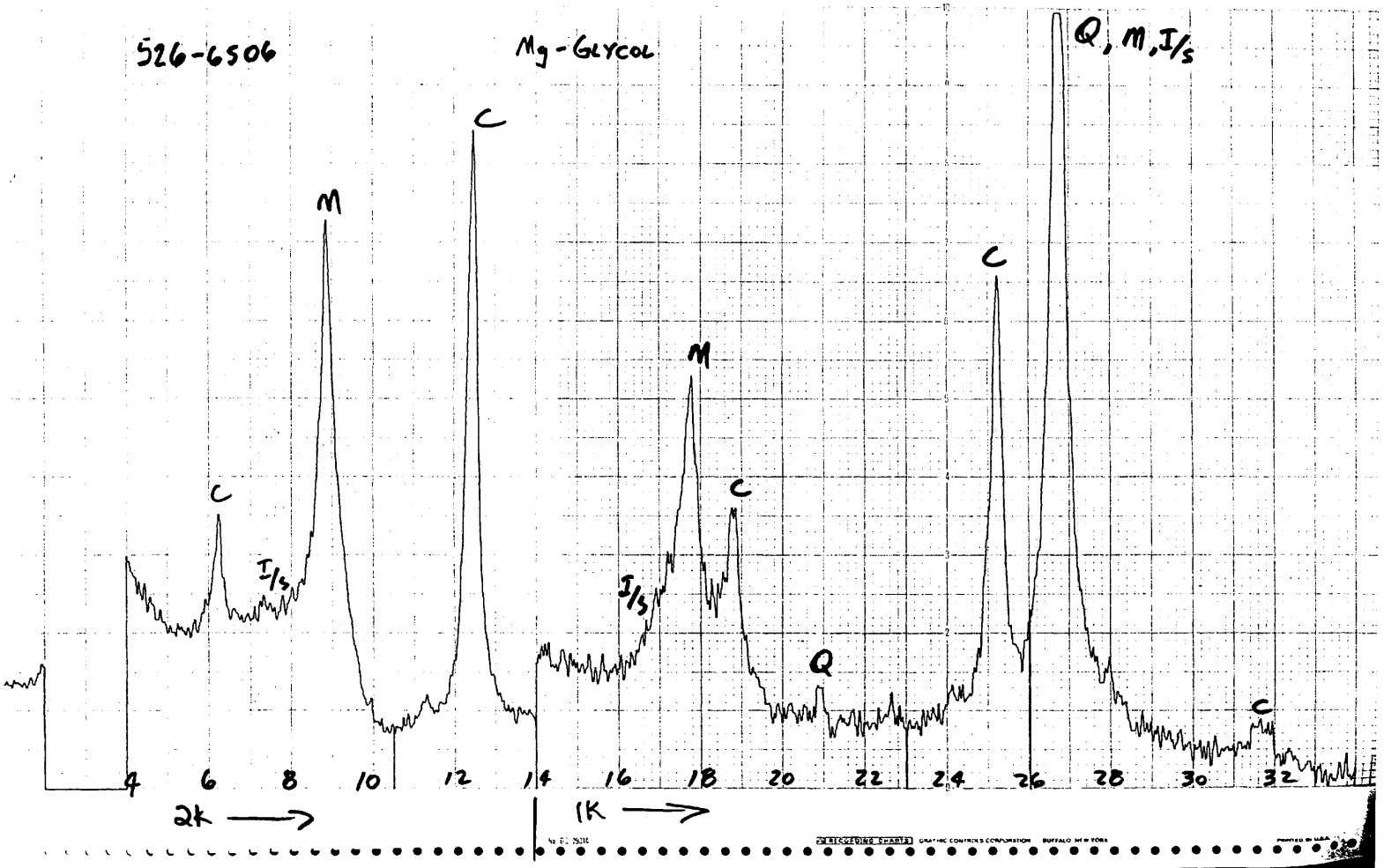
RECEIVED
MAR 1984
Alaska Commission

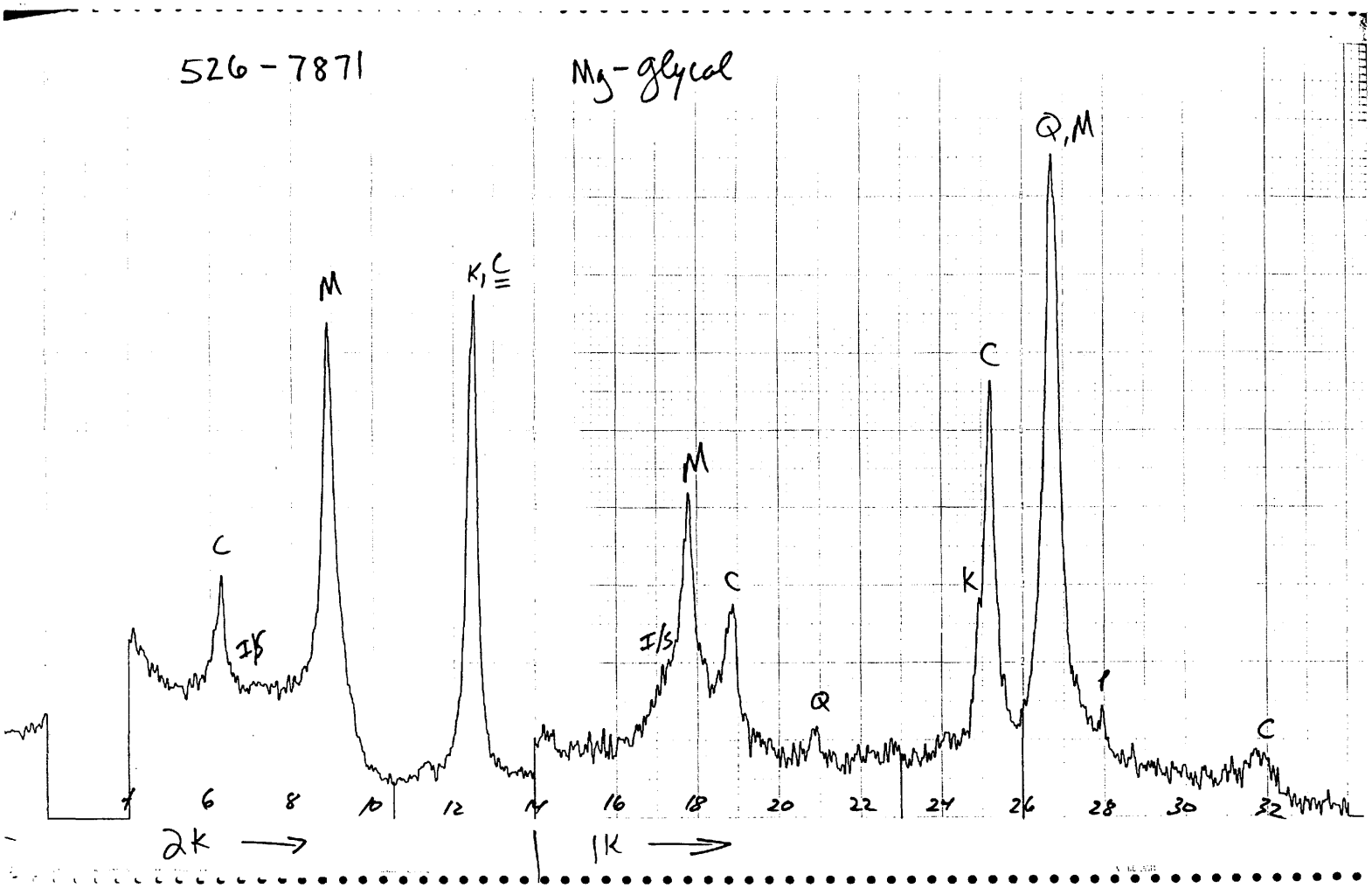

526- 3308
Mg · glycol
M, I/S
K, C
C
I/S
M
I/S
C
Q
K
C
Q, M
P
AP
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K →
1K →

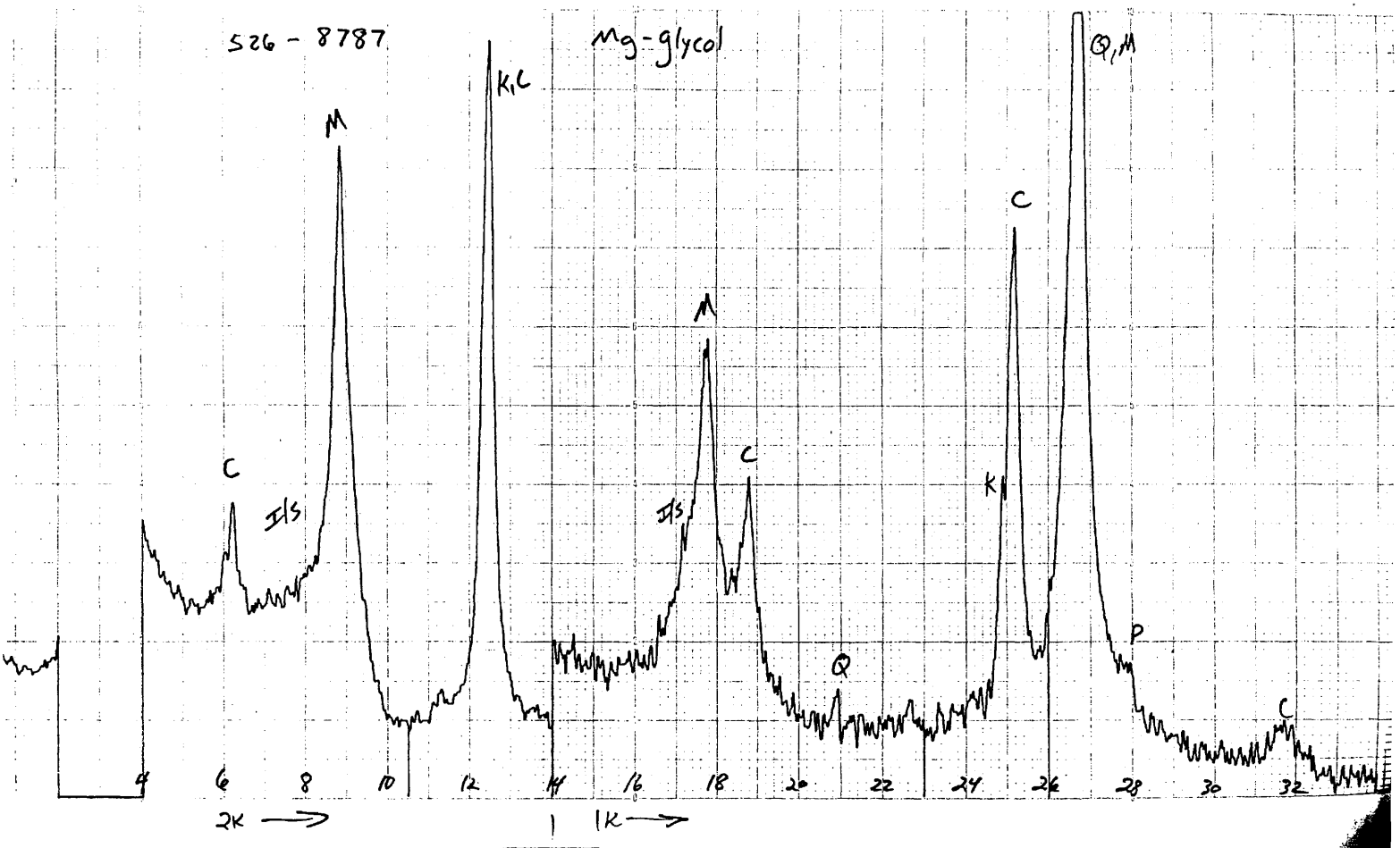

526-3820
Mg-glycol
M,I/S
K,C
Q,M
C
I/S
M
C
I/S
Q
K
C
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K →
1K →

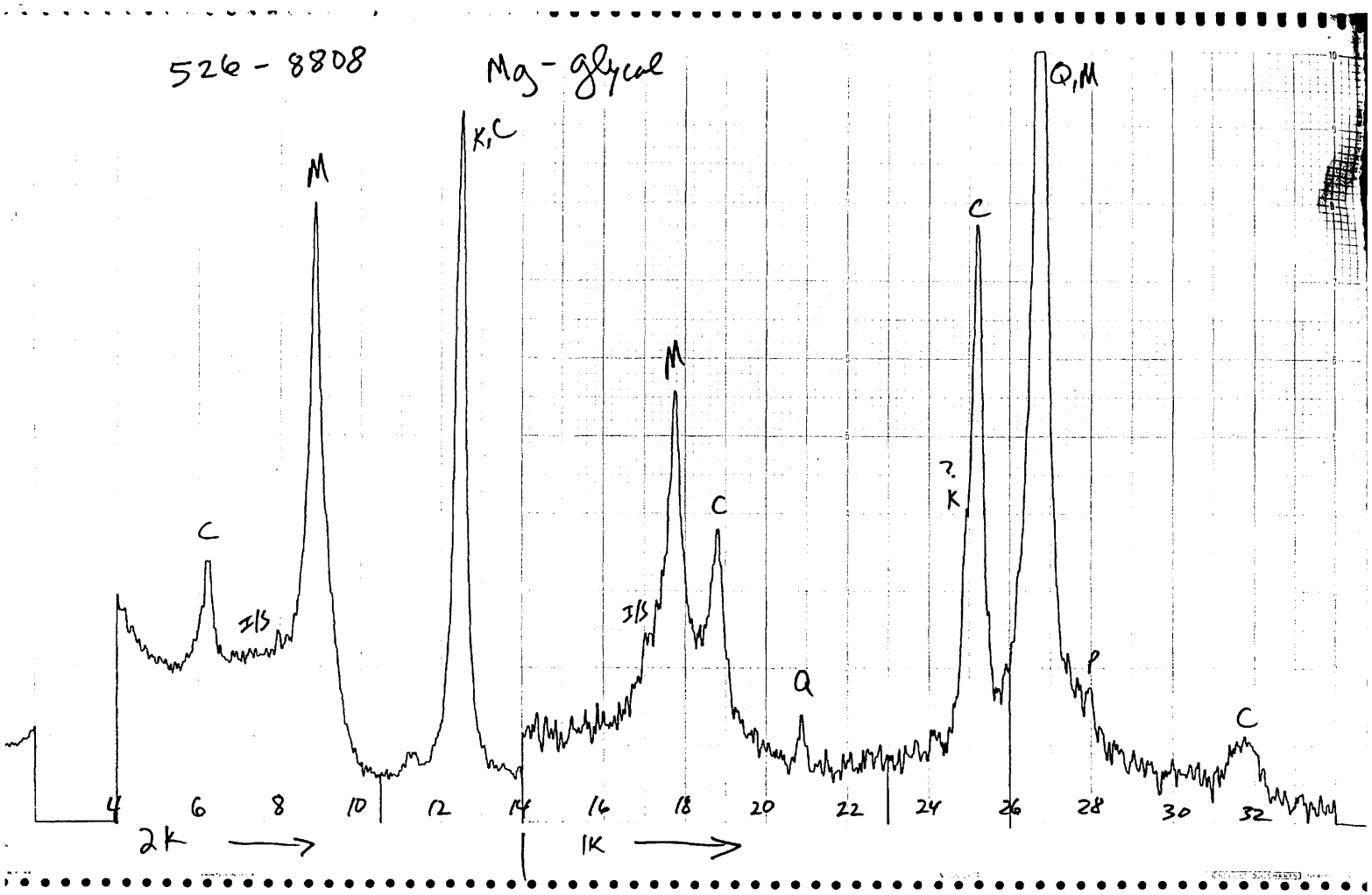

526-3829
Mg-glycol
M
K,C
C
I/S
M
I/S
C
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

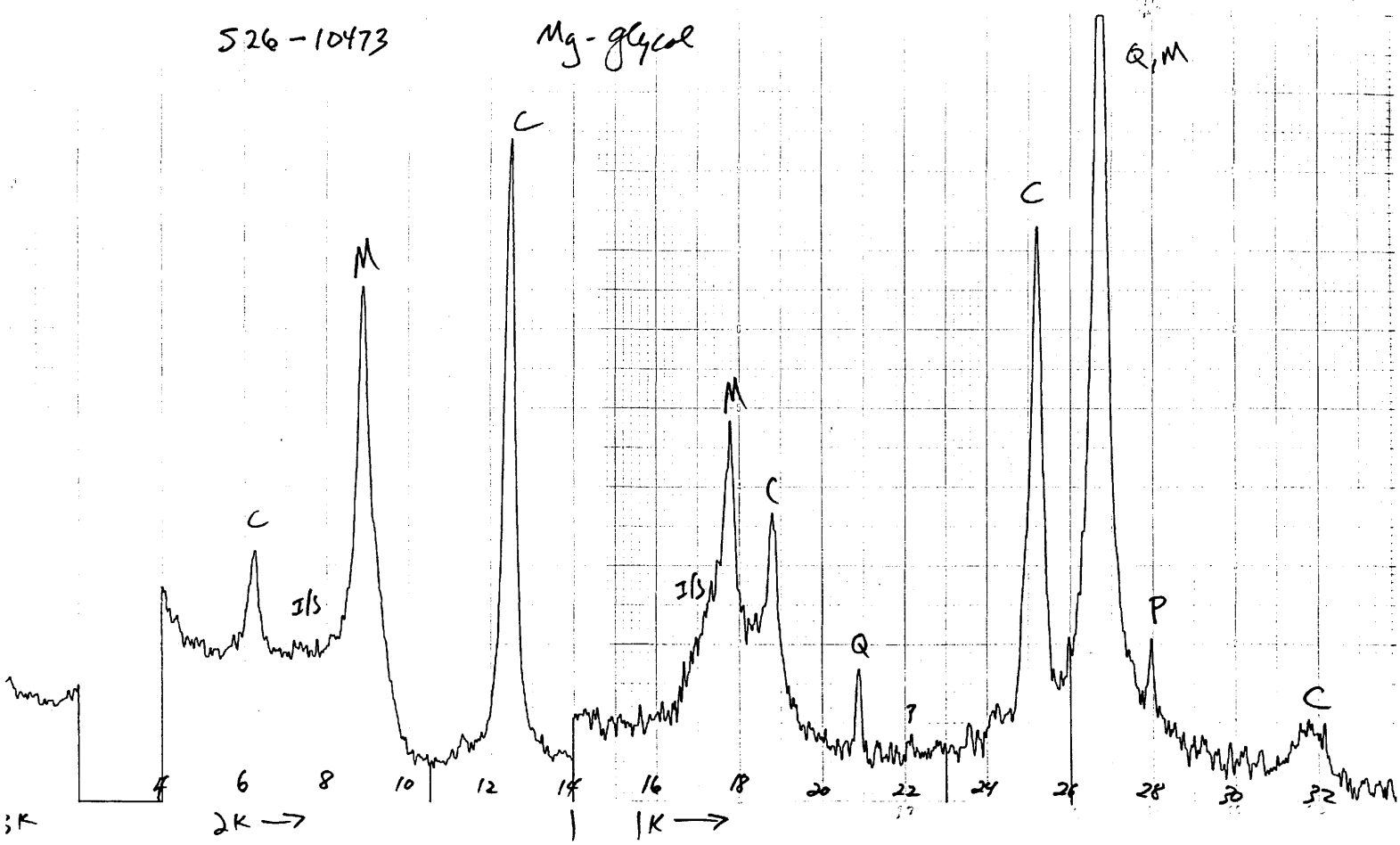

526-5553-57
Mg-GLYCOL
C
I/S
M
C
I/S
M
C
Q
C
Q, M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

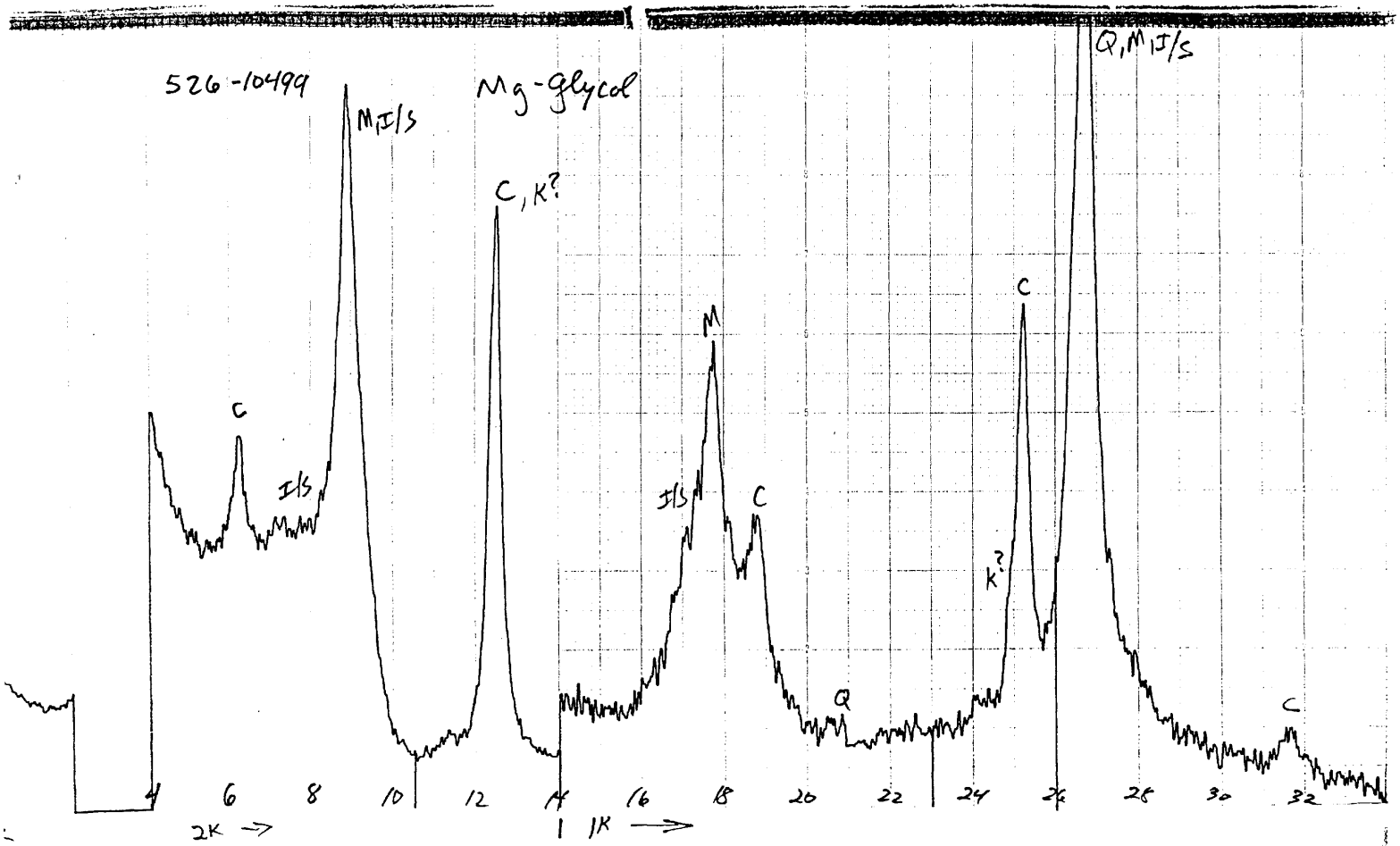

526-6506
Mg-GLYCOL
Q, M, I/S
C
M
C
I/S
M
C
I/S
Q
C
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

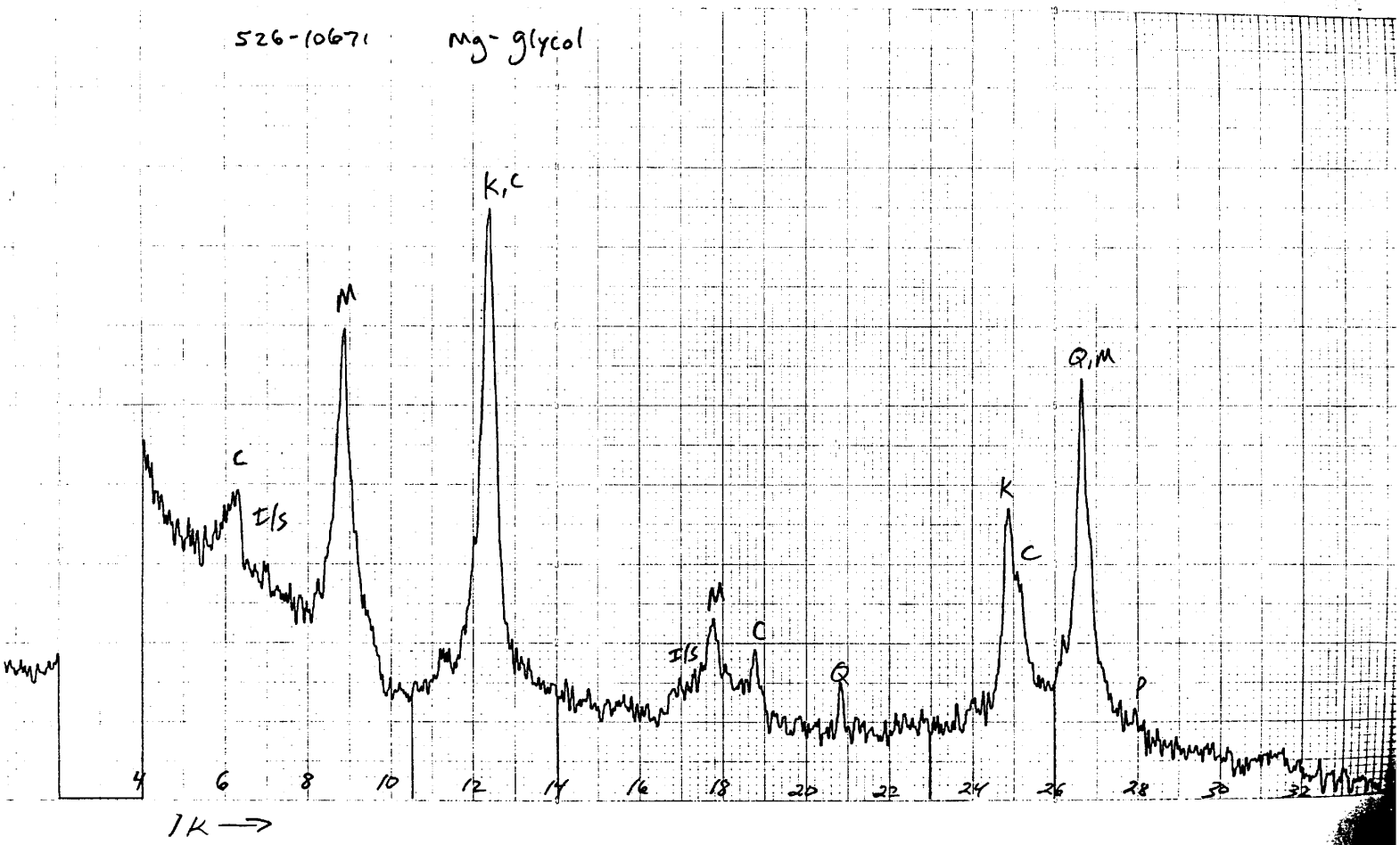

526-7871
Mg-glycol
C
I/S
M
K, C
M
I/S
C
Q
C
K
Q, M
C
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

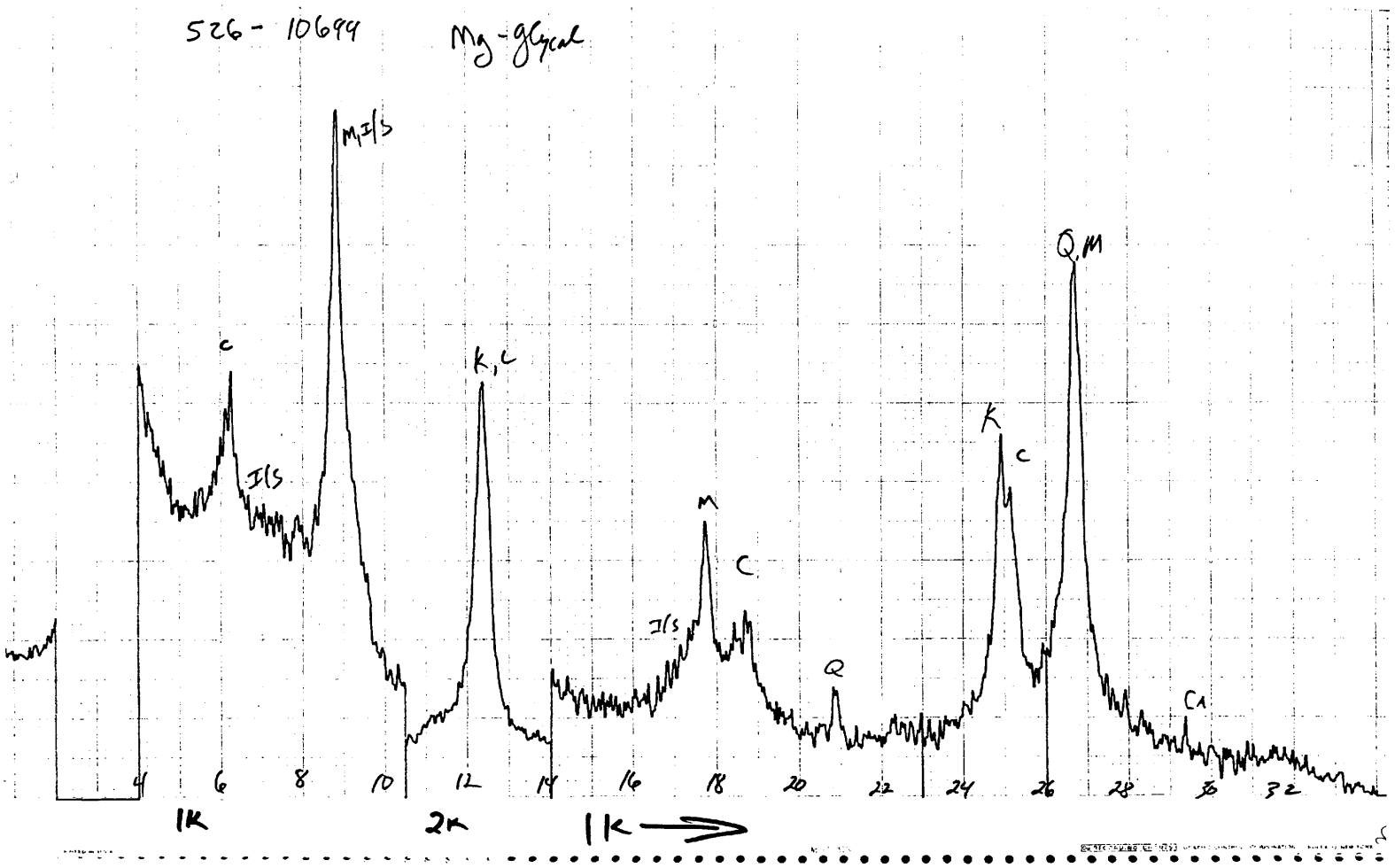

526 - 8787
Mg-glycol
M
K,C
C
I/S
M
C
I/S
K
C
Q,M
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

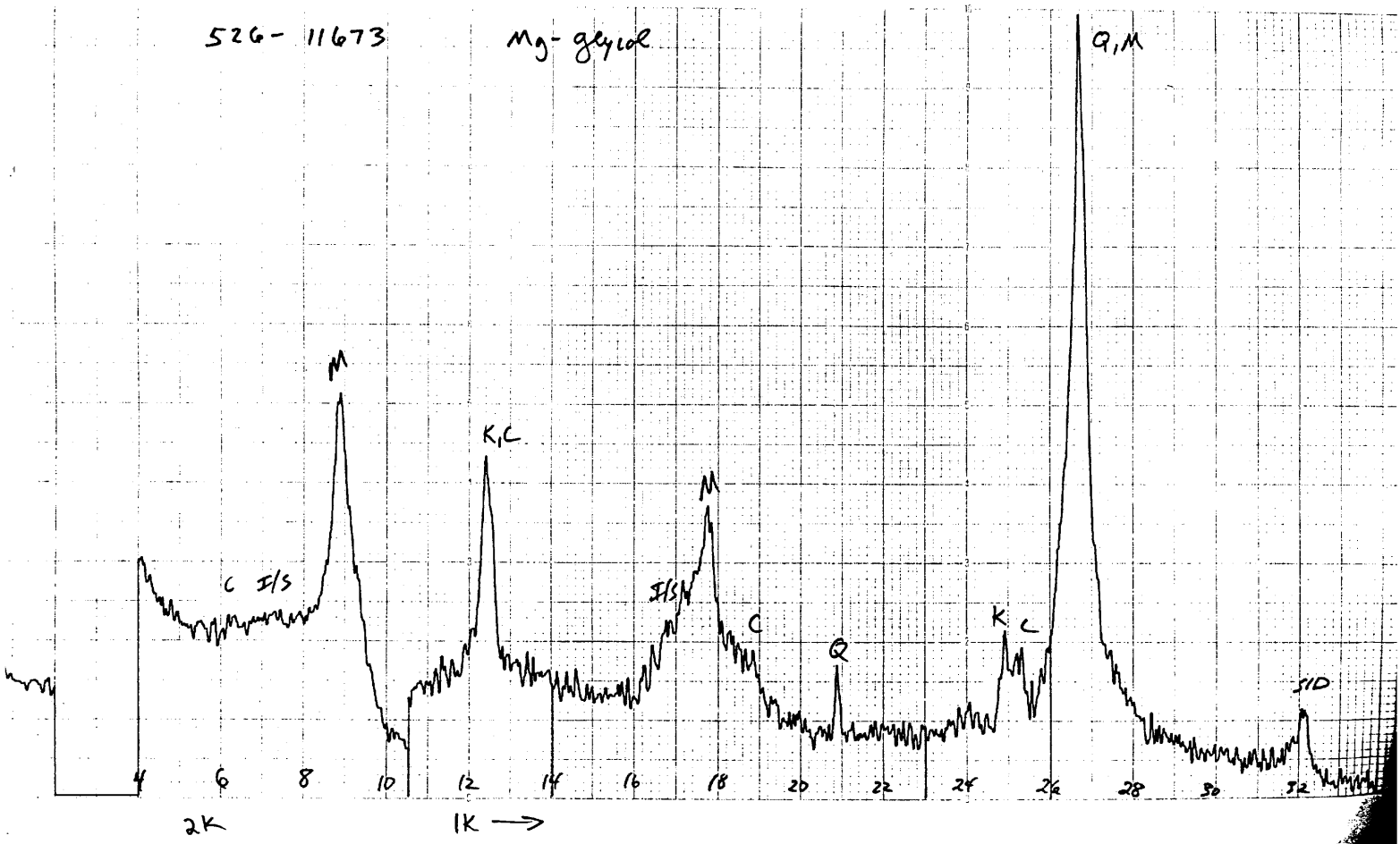

526 - 8808
Mg - glycol
C
IS
M
K,C
M
IS
C
Q
?
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

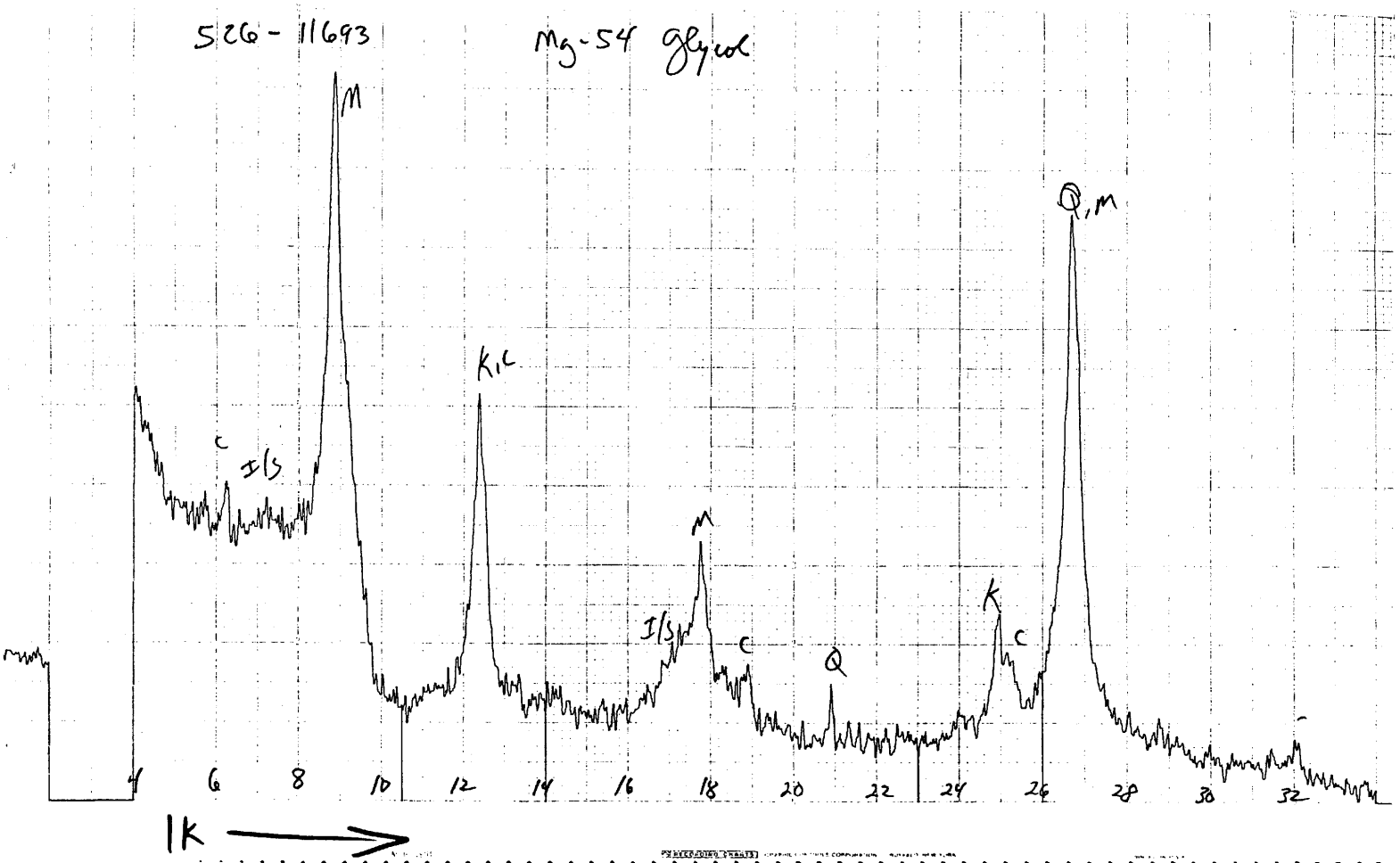

526-10473
Mg-glycol
C
M
C
I/S
M
C
I/S
Q
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K →
1K →

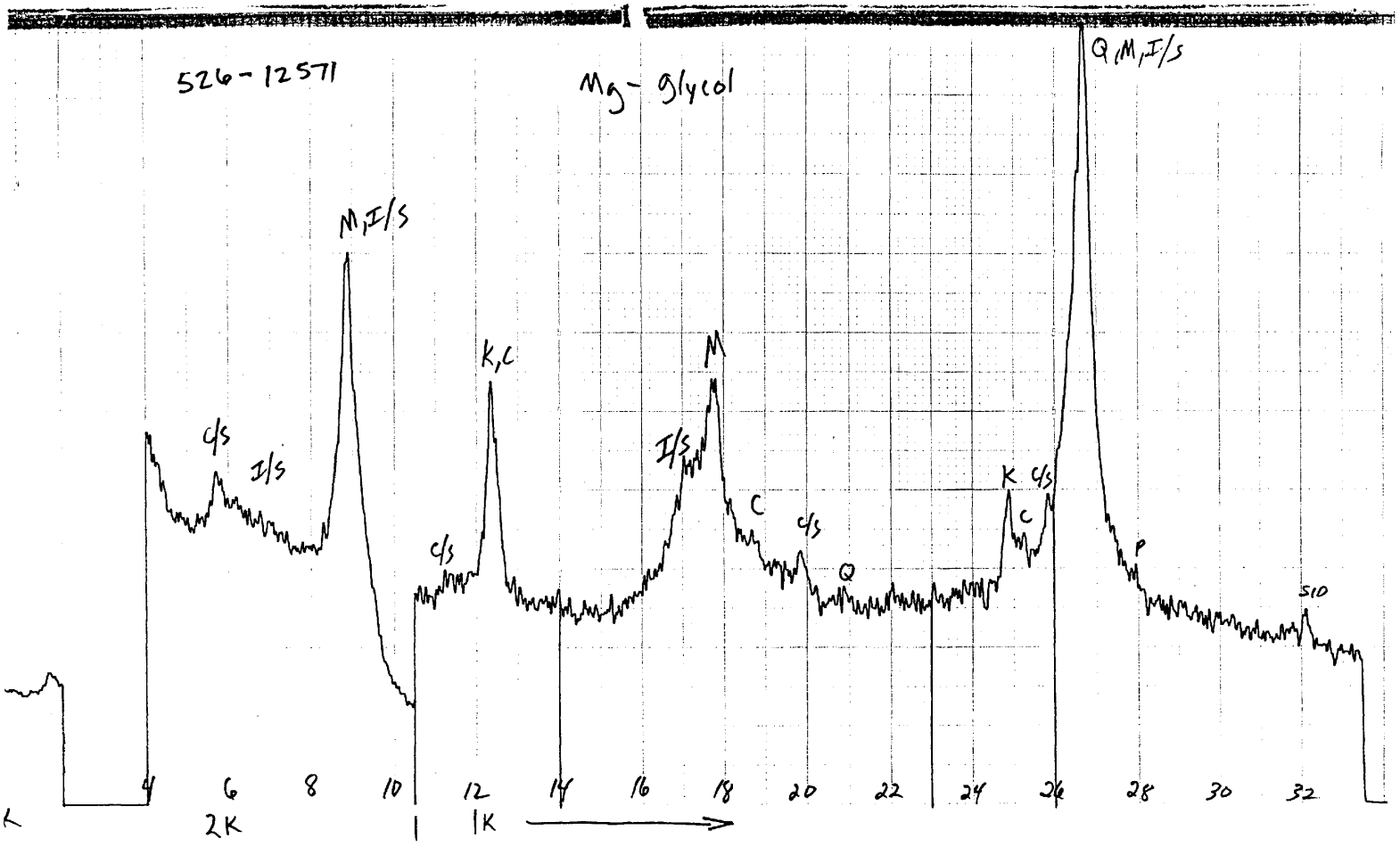

526-10499
Mg-glycol
M,I/S
C,K?
C
I/S
M
I/S
C
Q
C
K?
Q,M I/S
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K →
1K →

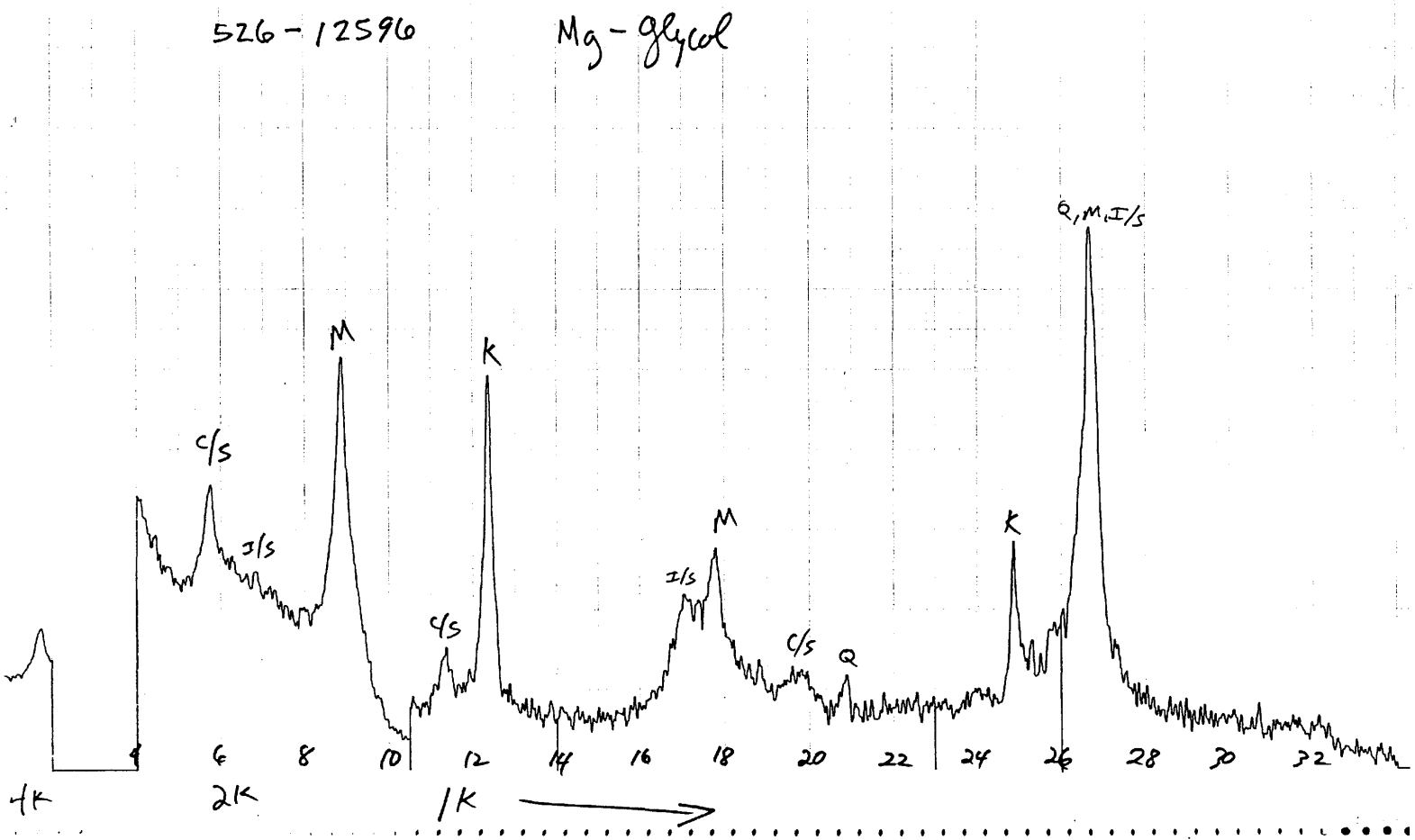

526-10671
Mg-glycol
K,C
M
C
I/S
Q,M
K
C
M
I/S
C
Q
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →

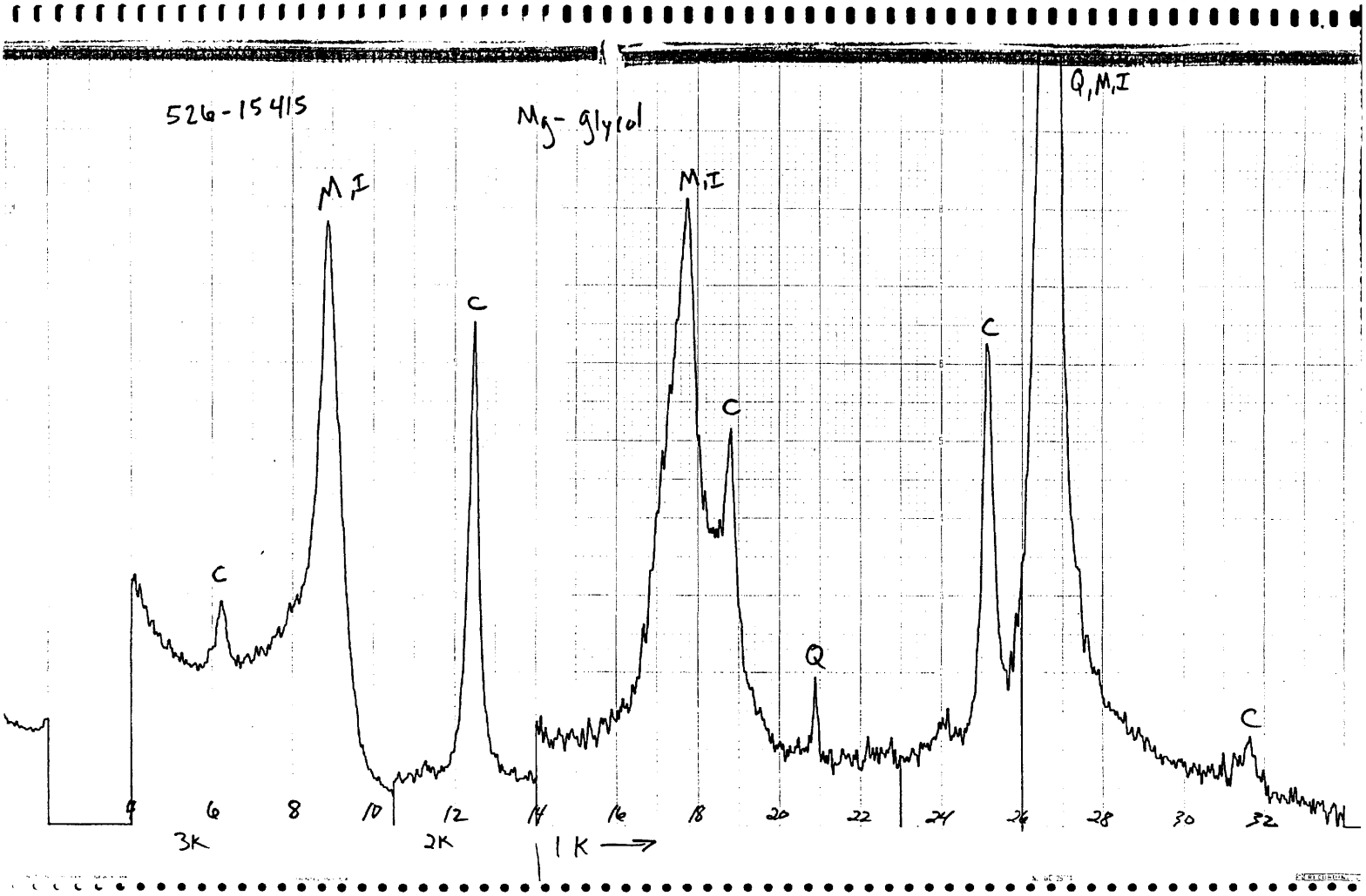

526- 10699
Mg-glycal
M,I/S
c
I/S
K,C
M
C
I/S
Q
K
c
Q,M
CA
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K

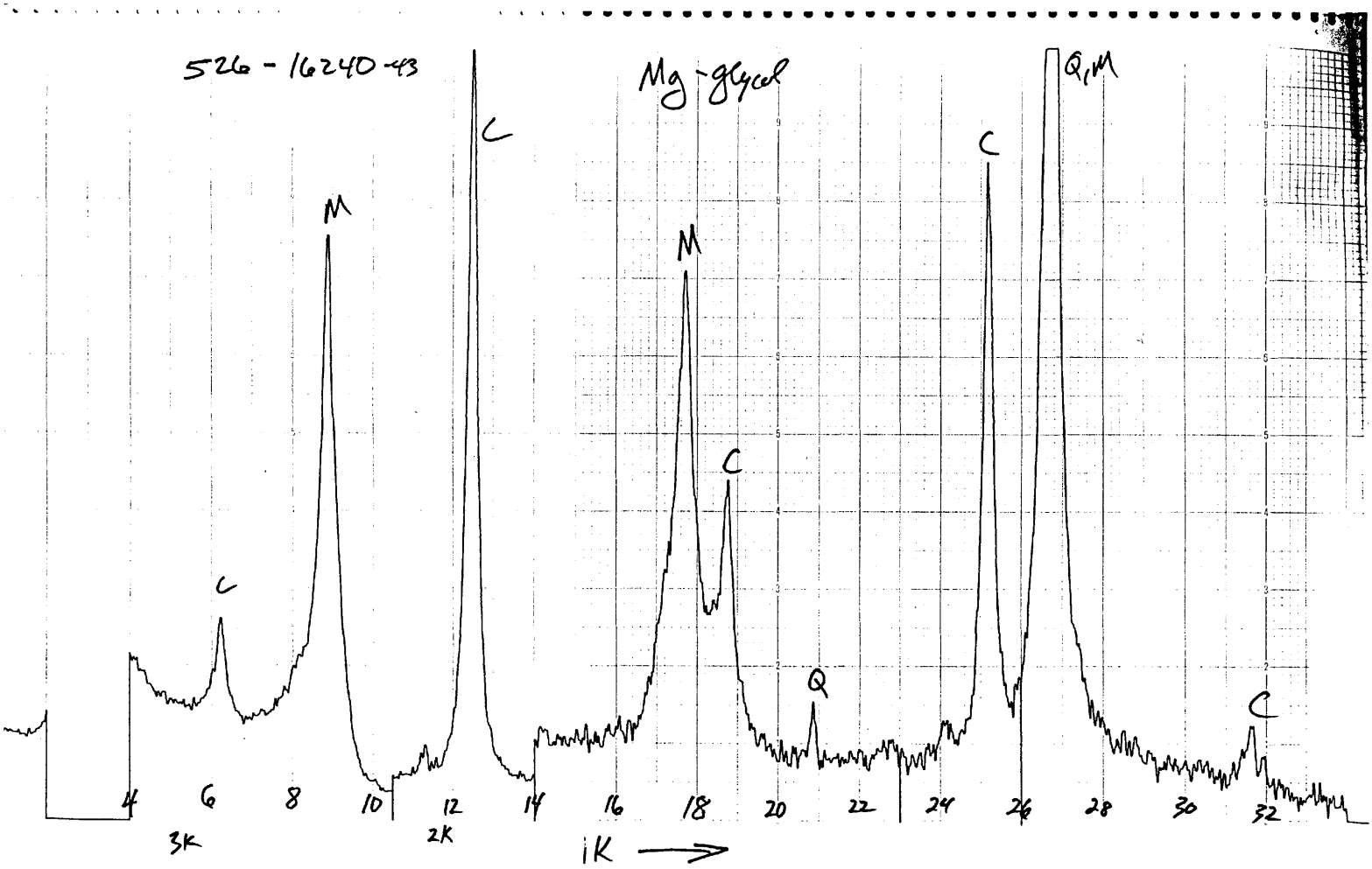

526- 11673
Mg- glycol
Q,M
M
K,C
M
C I/S
I/S
C
Q
K C
SID
4 6 8 10 12 14 16 18 20 22 24 26 28 30 32
2K
1K →


526 - 11693
Mg-54 glycol
M
K,C
C
I/S
M
I/S
C
Q
K
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K


526-12571
Mg-Glycol
M,I/S
K,C
C/S
I/S
C/S
I/S
M
C
C/S
Q
K
C/S
C
Q,M,I/S
P
S10
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


526-12596
Mg-glycol
C/S
I/S
M
C/S
K
I/S
M
C/S
Q
K
Q,M,I/S
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
4K
2K
1K


526-15415
Mg- glycol
M,I
C
M,I
C
C
Q
Q,M,I
C
C
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
2K
1K


526 - 16240-43
Mg-glycol
C
M
C
M
C
C
Q
C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
2K
iK

18 P.

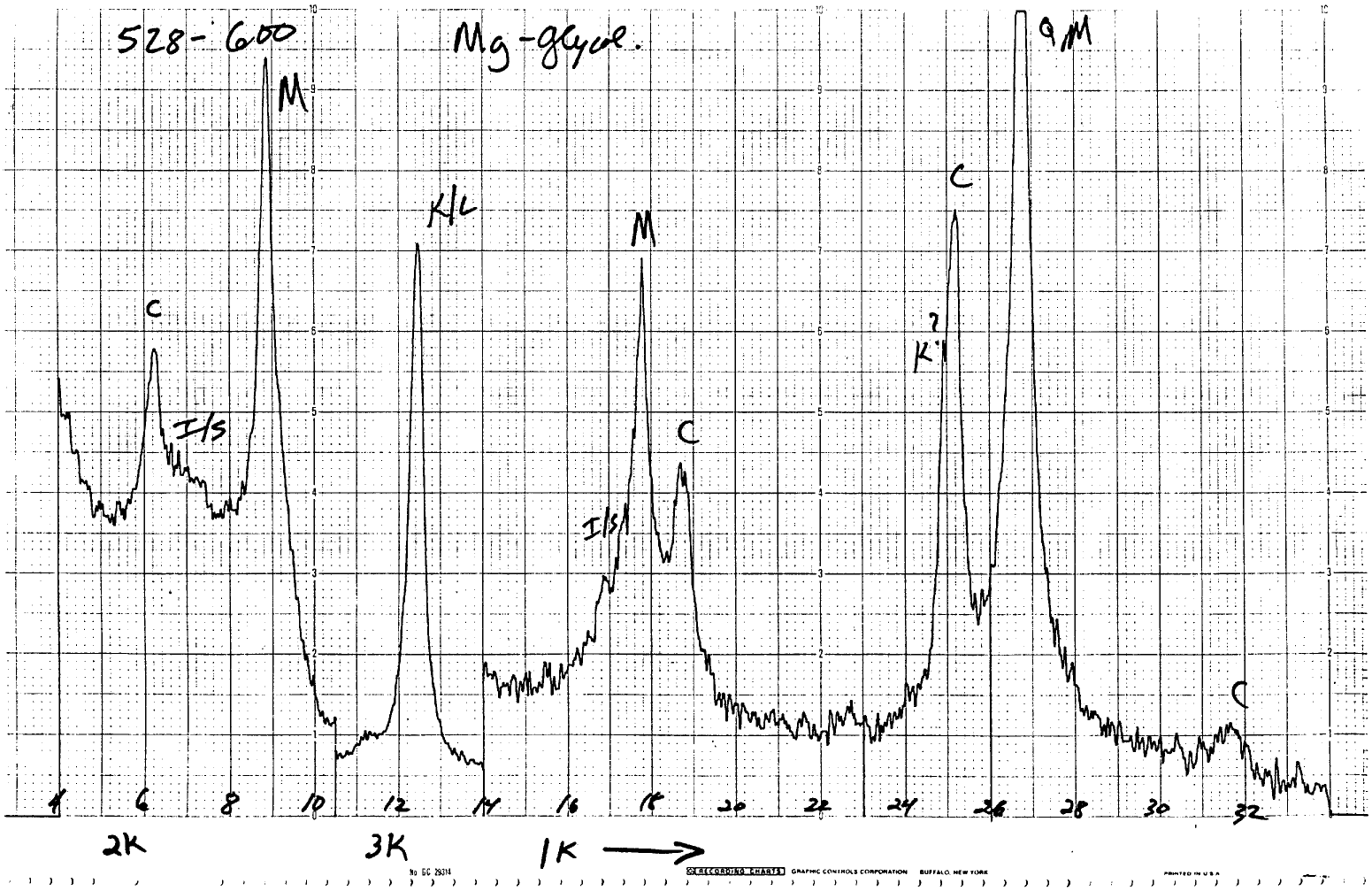
N

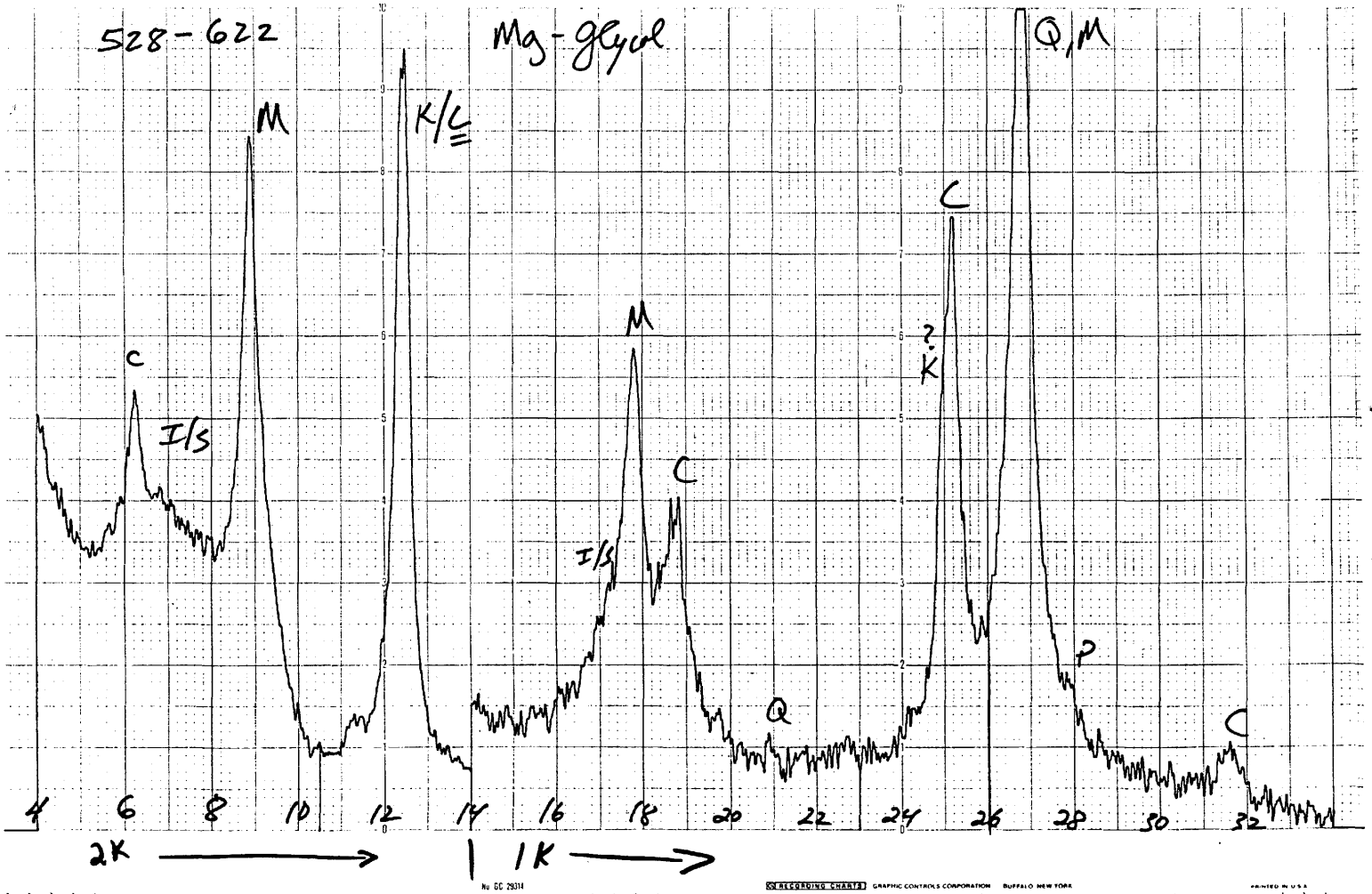
WEST DEASE NO.1 (ST. NO. 528)

DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
600-02	-	MOD	MAJ	MAJ	TR	
622-25	-	MOD	MAJ	MAJ	MOD	Q,P
1106-08	-	MOD	MAJ	MAJ	MOD	Q,P
1901-02	-	MOD	MOD	MAJ	MOD	Q,P
1930	-	MOD	MOD	MOD	MOD	
2690-2700	-	MOD	MOD	MAJ	MOD	Q,P
2870-90	-	MOD	MOD	MAJ	MOD	Q
2945-47	-	MOD	MOD	MOD	MAJ	Q
2955-58	-	MOD	MAJ	MOD	MOD	Q
2970-72	-	MOD	MAJ	MOD	MOD	Q
3330-40	-	MOD	MOD	MOD	MOD	Q,P
3400-20	-	MOD	MOD	MOD	MOD	Q
3700-02	-	MIN	MOD	MOD	MAJ	Q
3730-32	-	MOD	MOD	MOD	MAJ	Q
3753-55	-	MOD	MAJ	MOD	MOD	Q
3785-88	-	MIN	MIN	MAJ	-	Q
3847-49	-	MIN	MIN	MAJ	-	Q

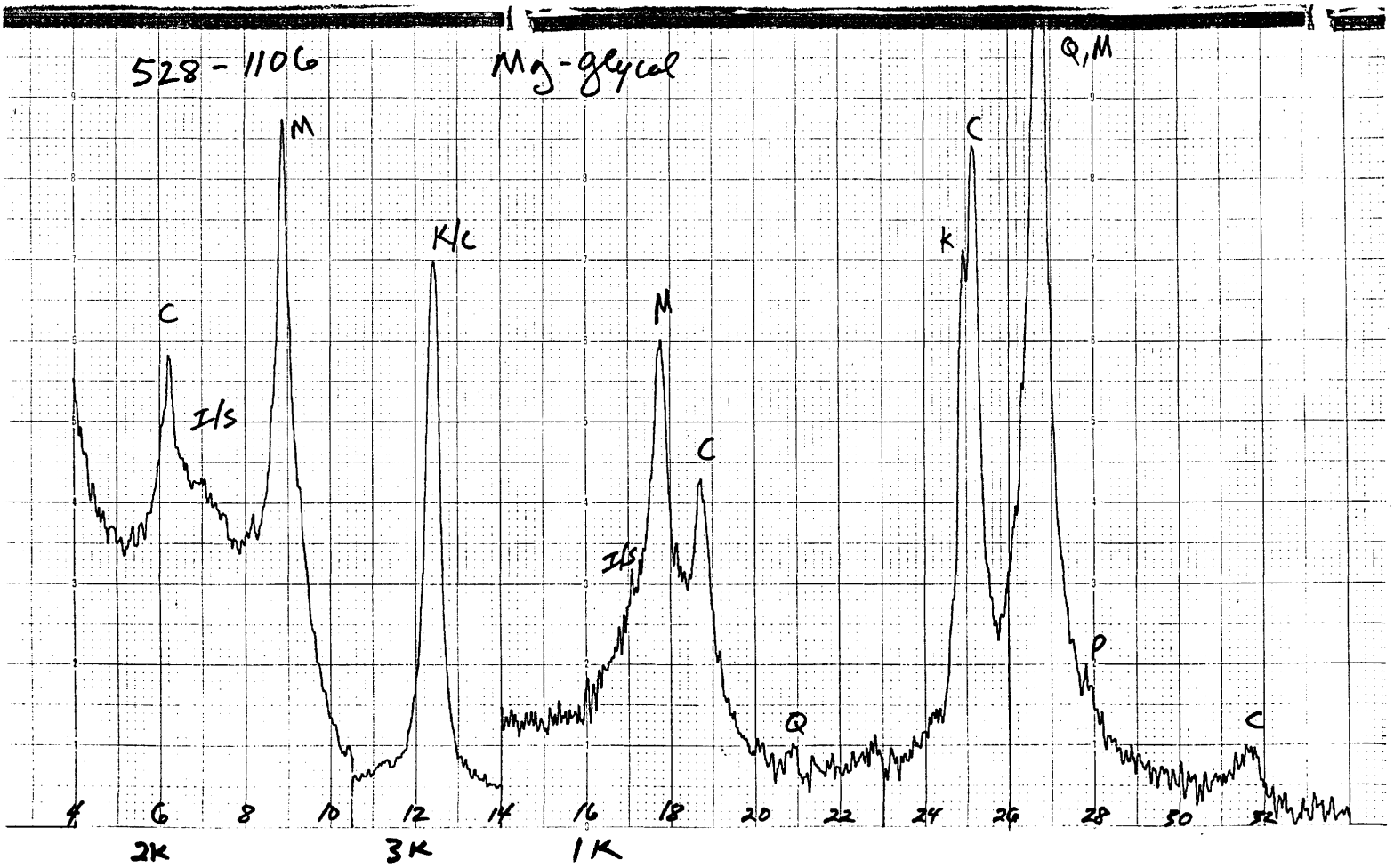
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, D = Dolomite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.
1 = weak, 2 = moderate, 3 = strong xrd peak

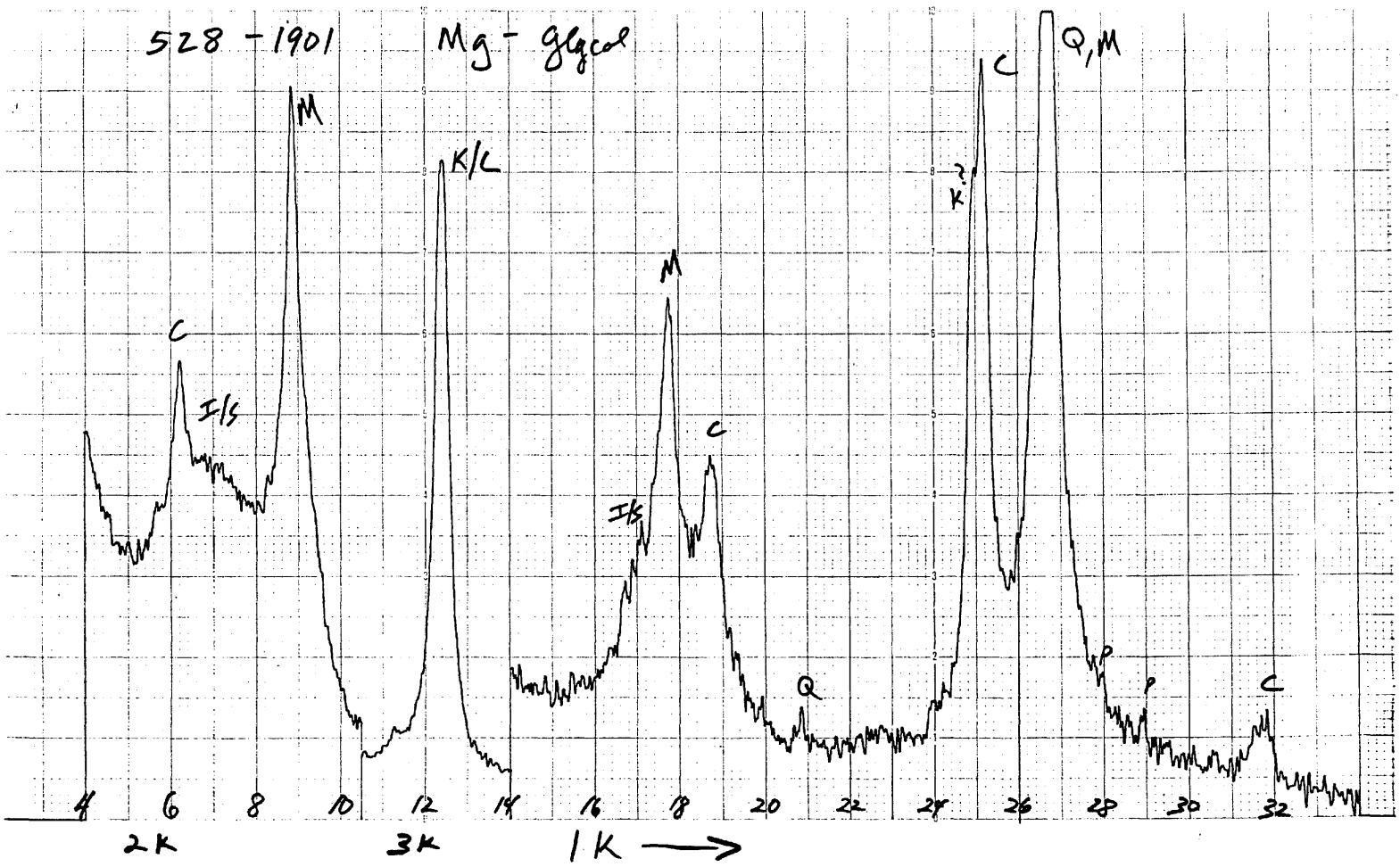
RECEIVED
MAR 12 1984
Alaska Oil & Gas Cons. Commission

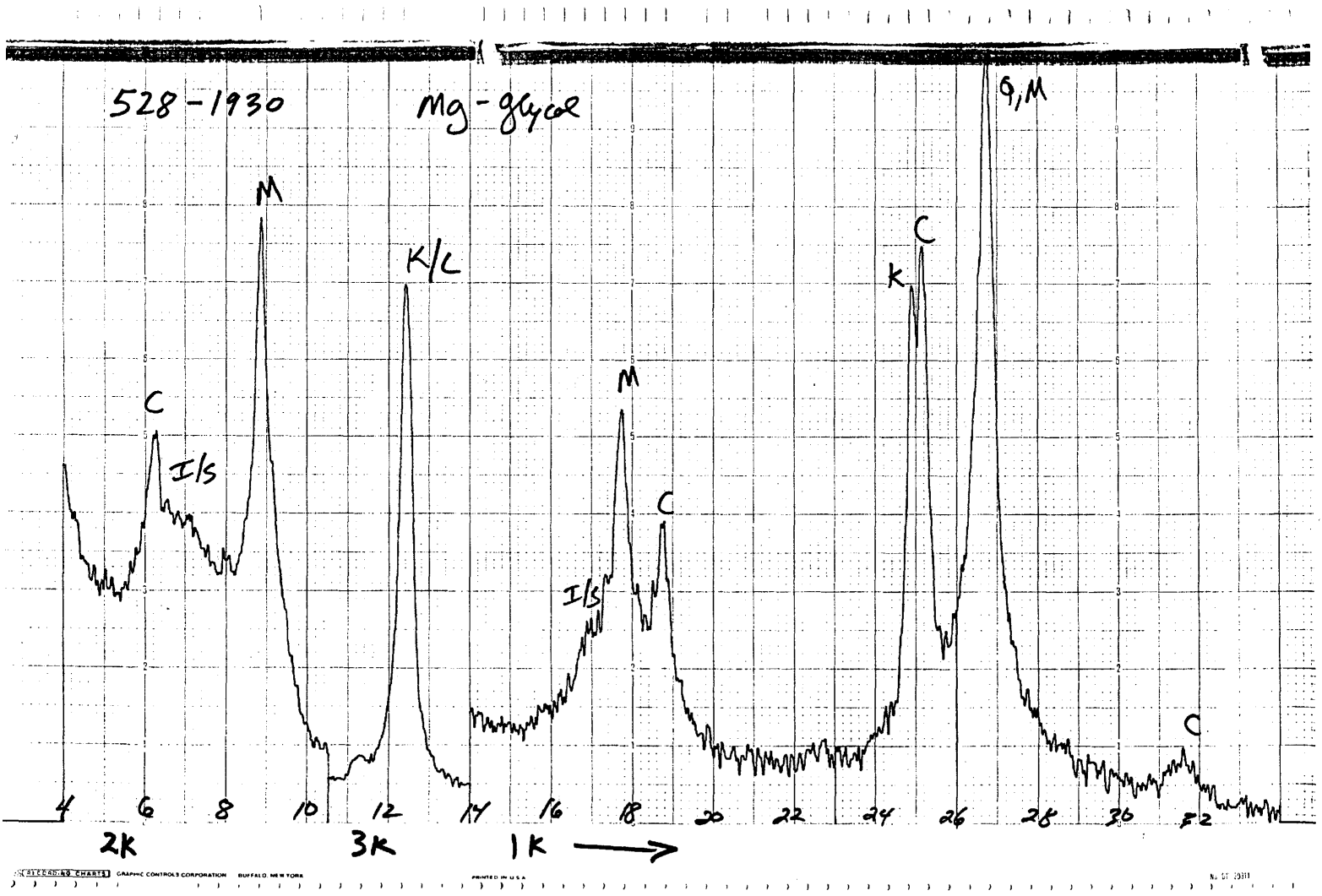

528-600
Mg-glycol.
M
K/L
M
C
9M
C
I/S
I/S
C
?
K
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K

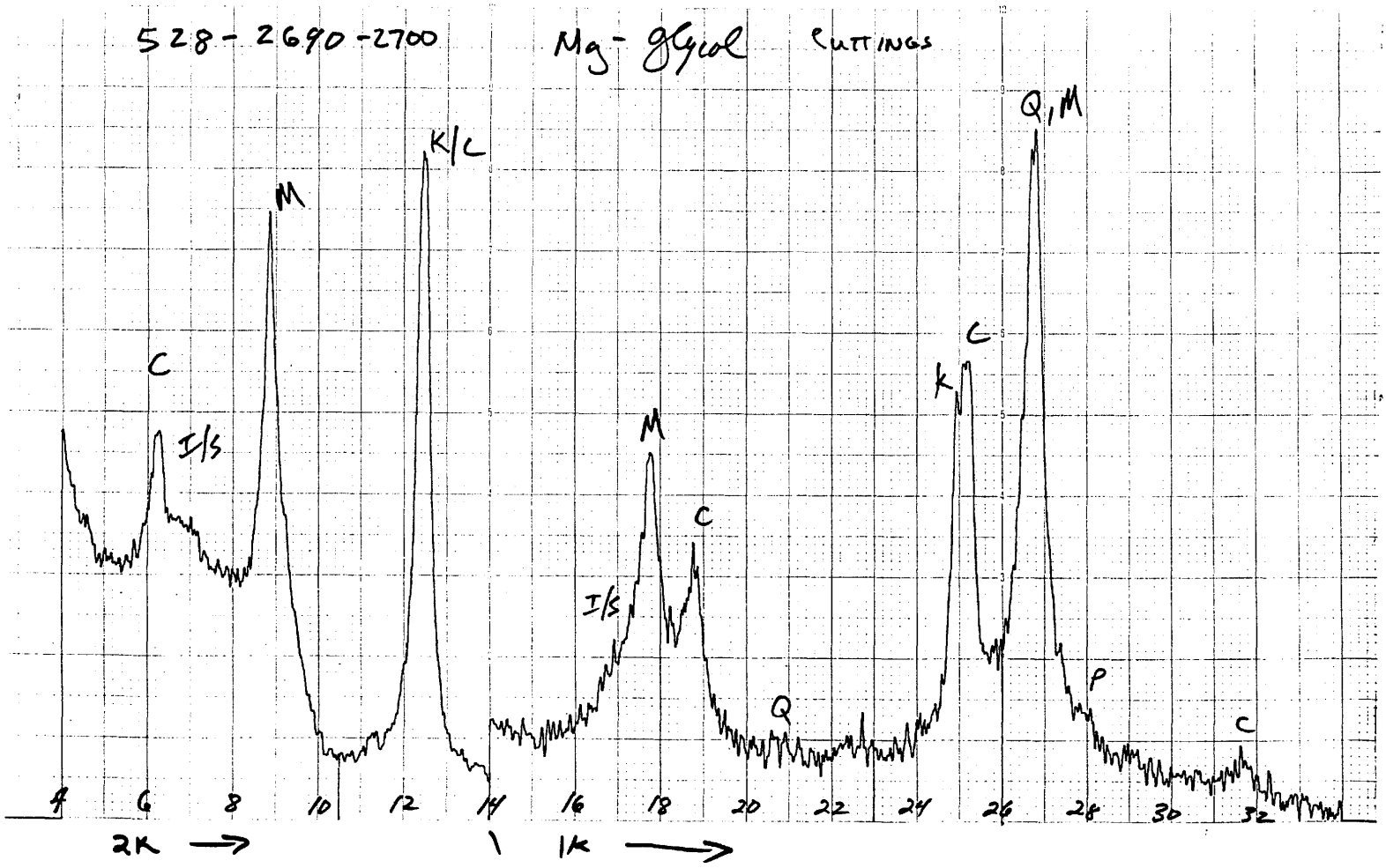


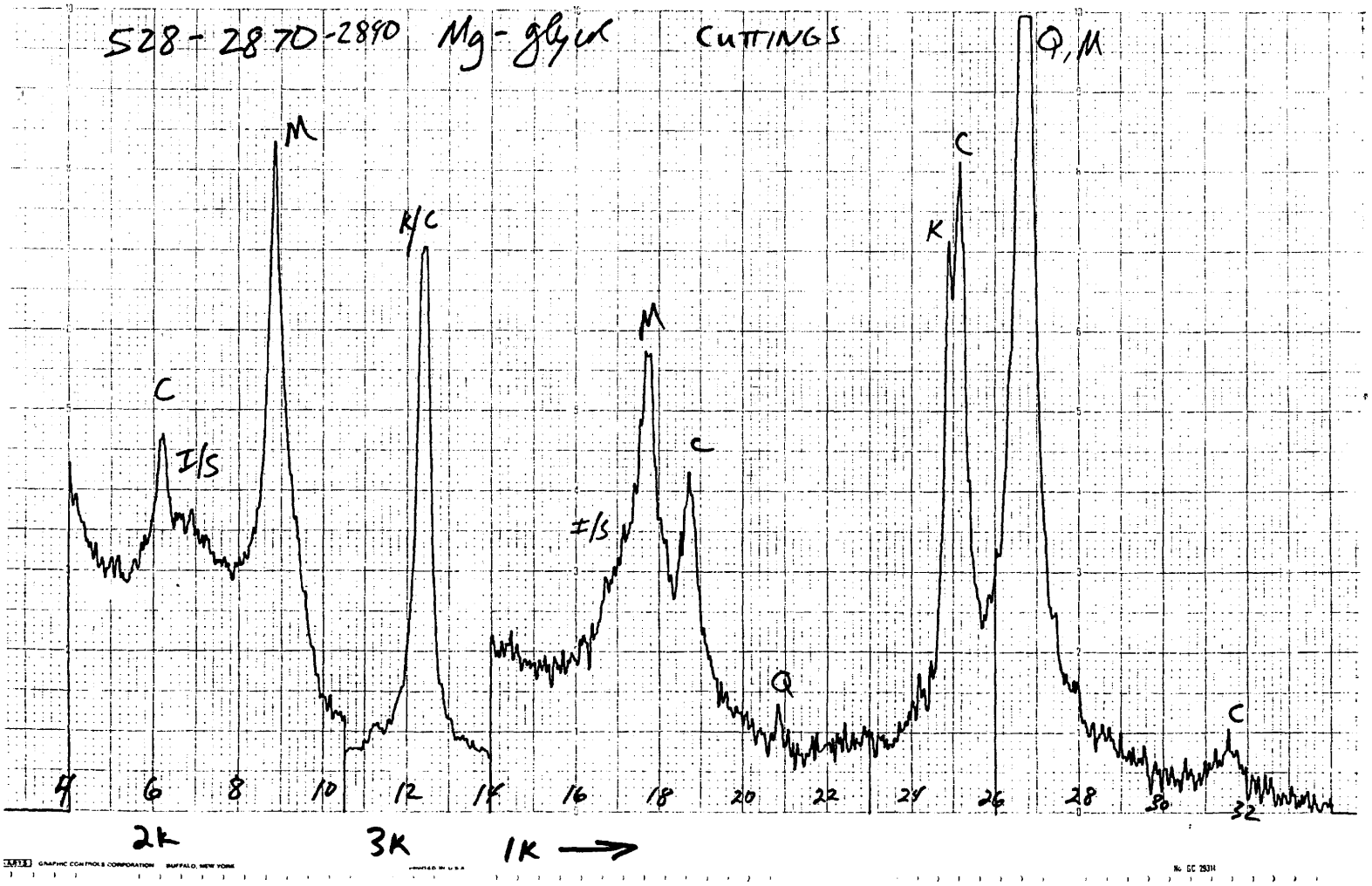
No GC 29314 GC RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK PRINTED IN U.S.A.

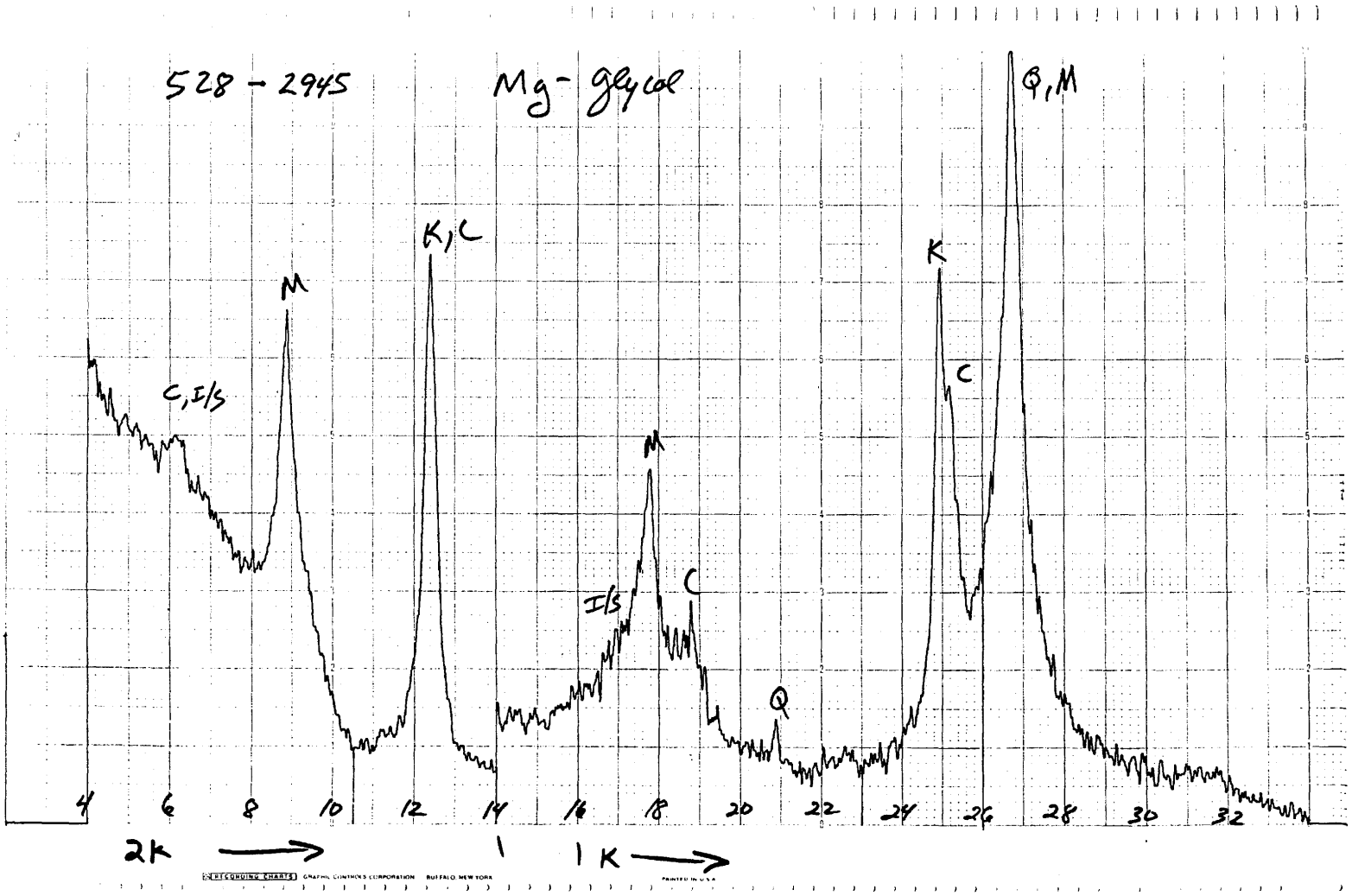

528 - 1106
Mg-glycol
M
C
I/S
K/C
M
C
I/S
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K

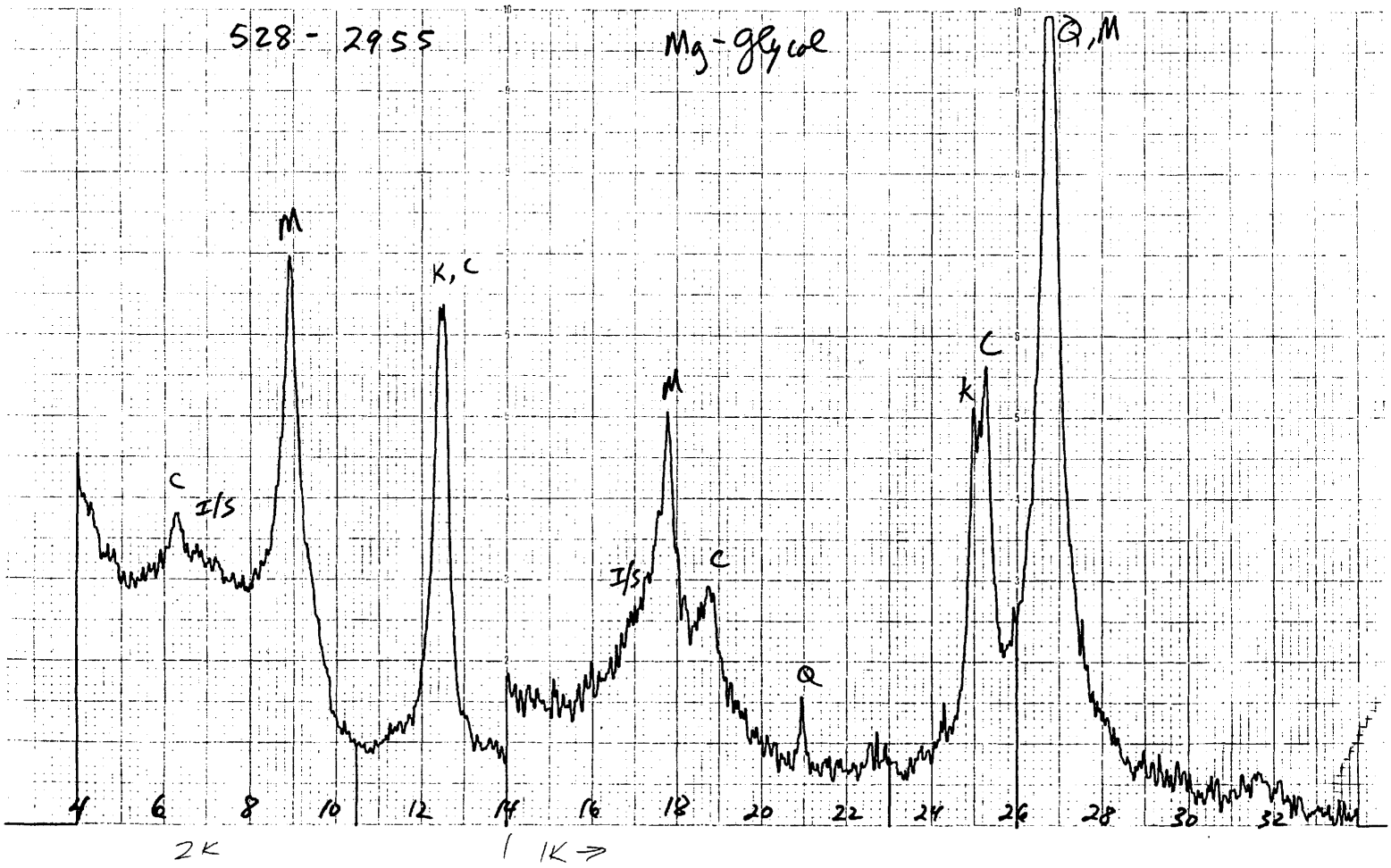

528 - 1901
Mg - glycol
M
K/C
C
I/S
M
I/S
C
Q
?
K
C
Q,M
P
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K

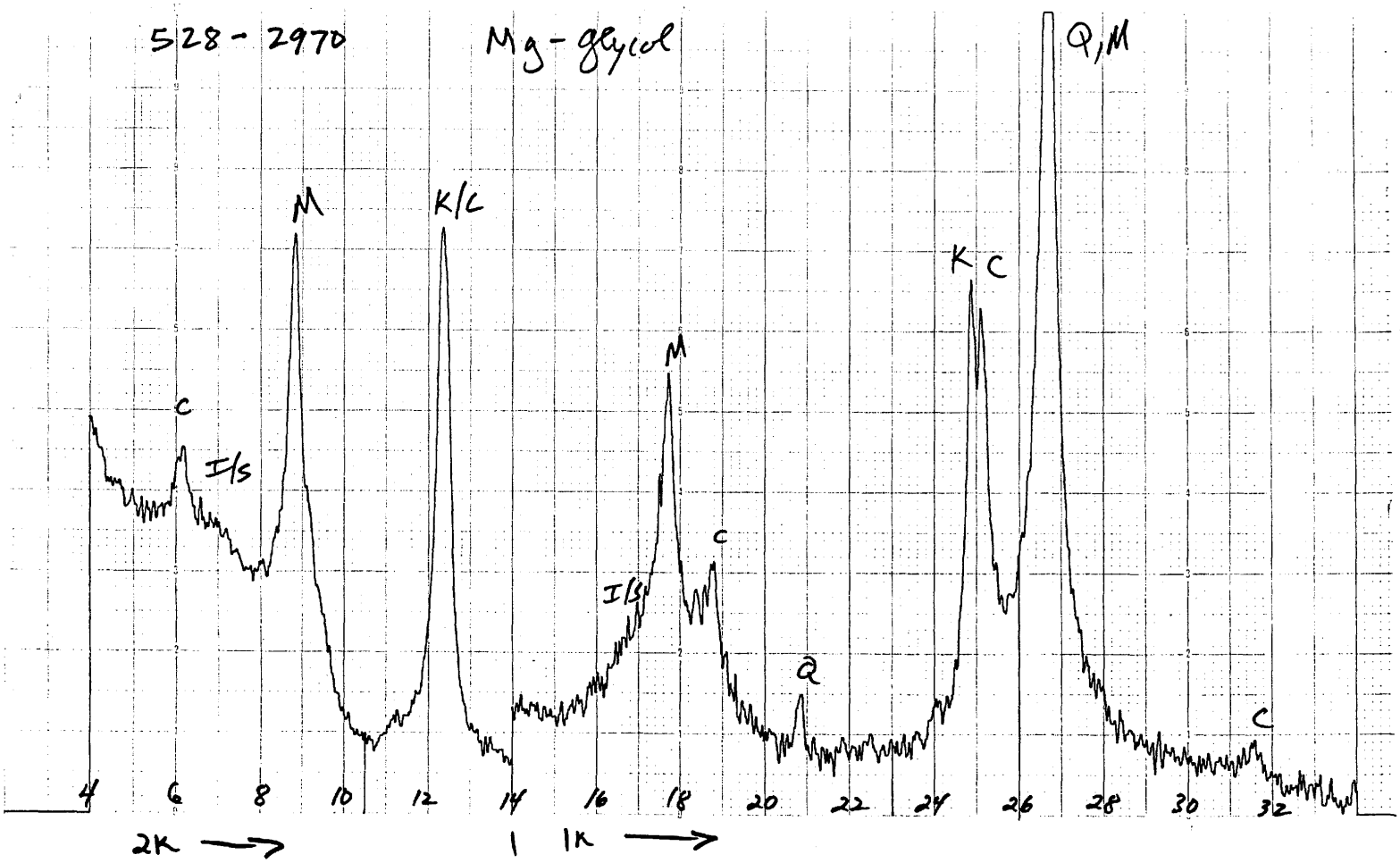

528-1930
Mg-glycol
M
K/C
C
I/S
M
C
I/S
k
C
G,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K

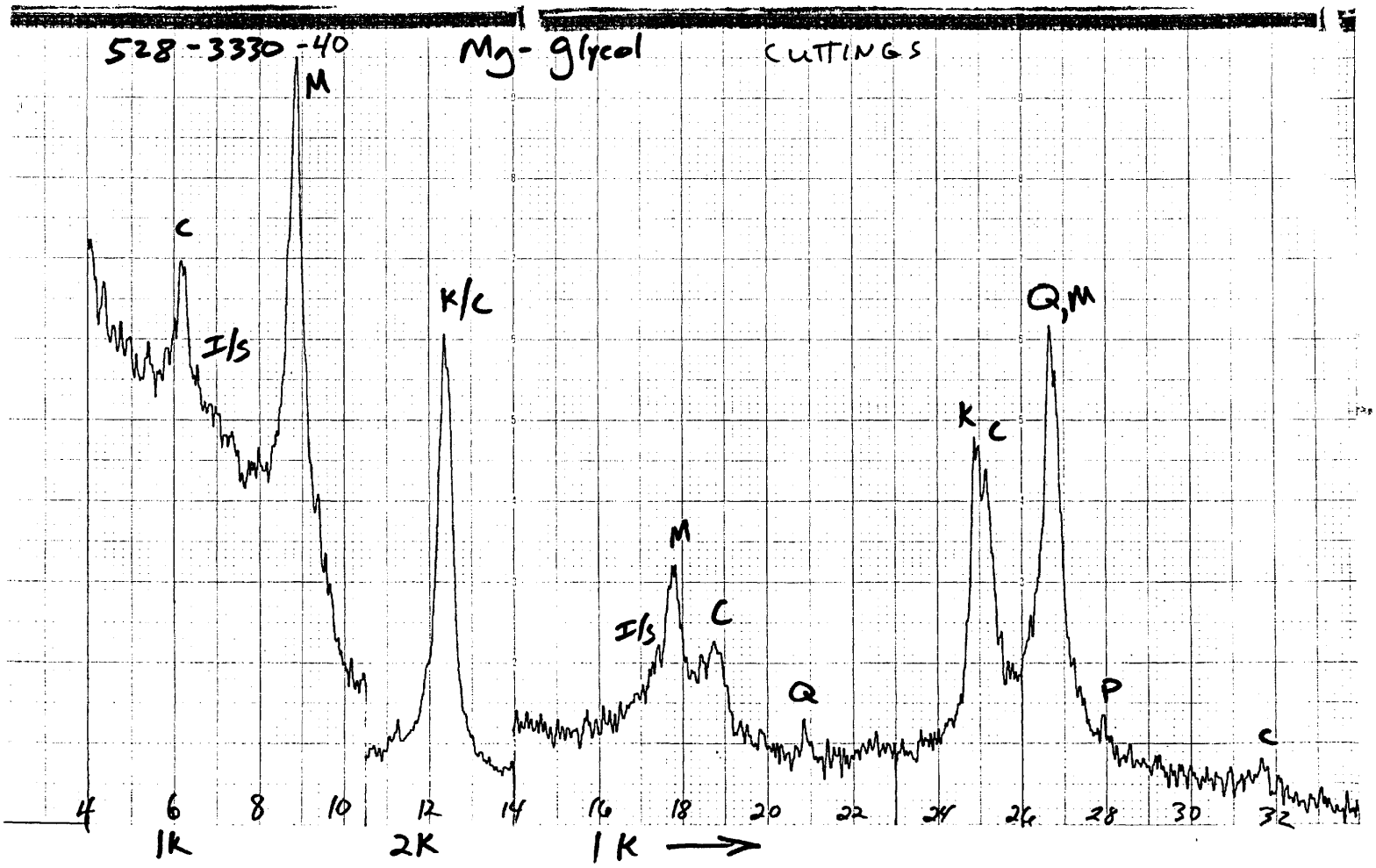

528-2690-2700
Mg-glycol cuttings
C
I/S
M
K/C
M
I/S
C
Q
k
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

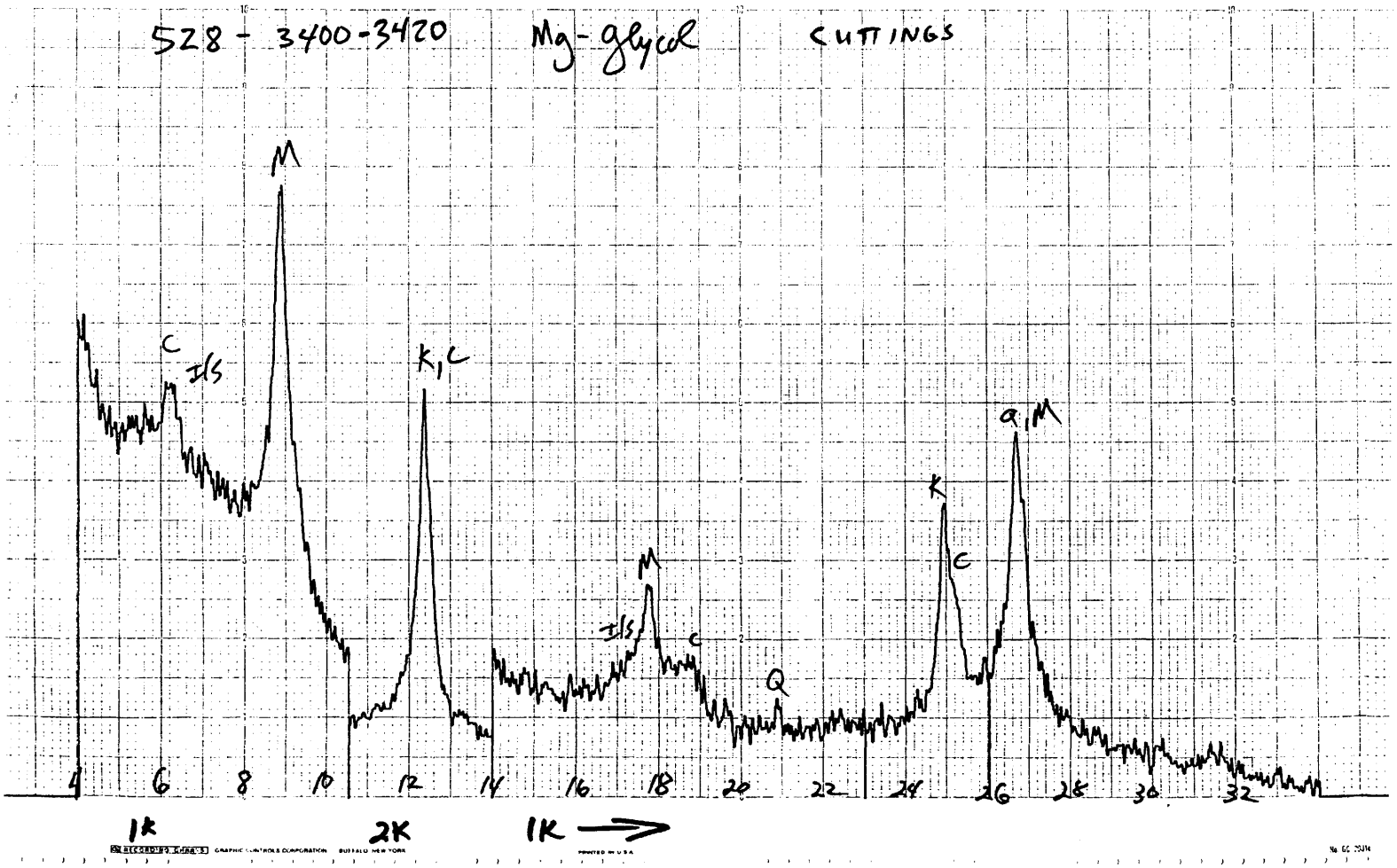

528-2870-2890 Mg-glycol CUTTINGS
M
K/C
C
I/S
M
I/S
C
Q
K
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K

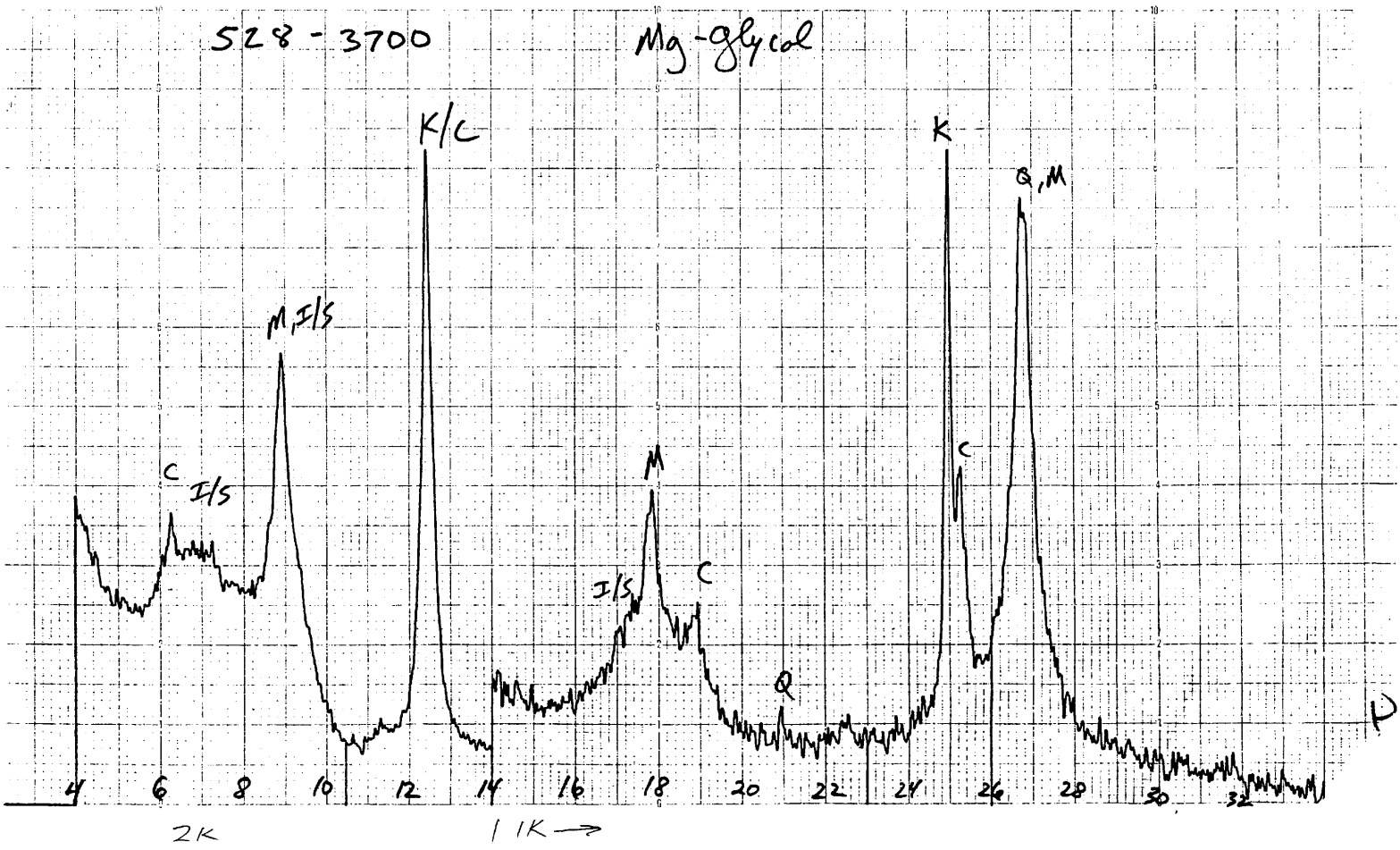

528 - 2945
Mg - glycol
Q,M
K,C
M
K
C
C,I/S
M
C
I/S
Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.

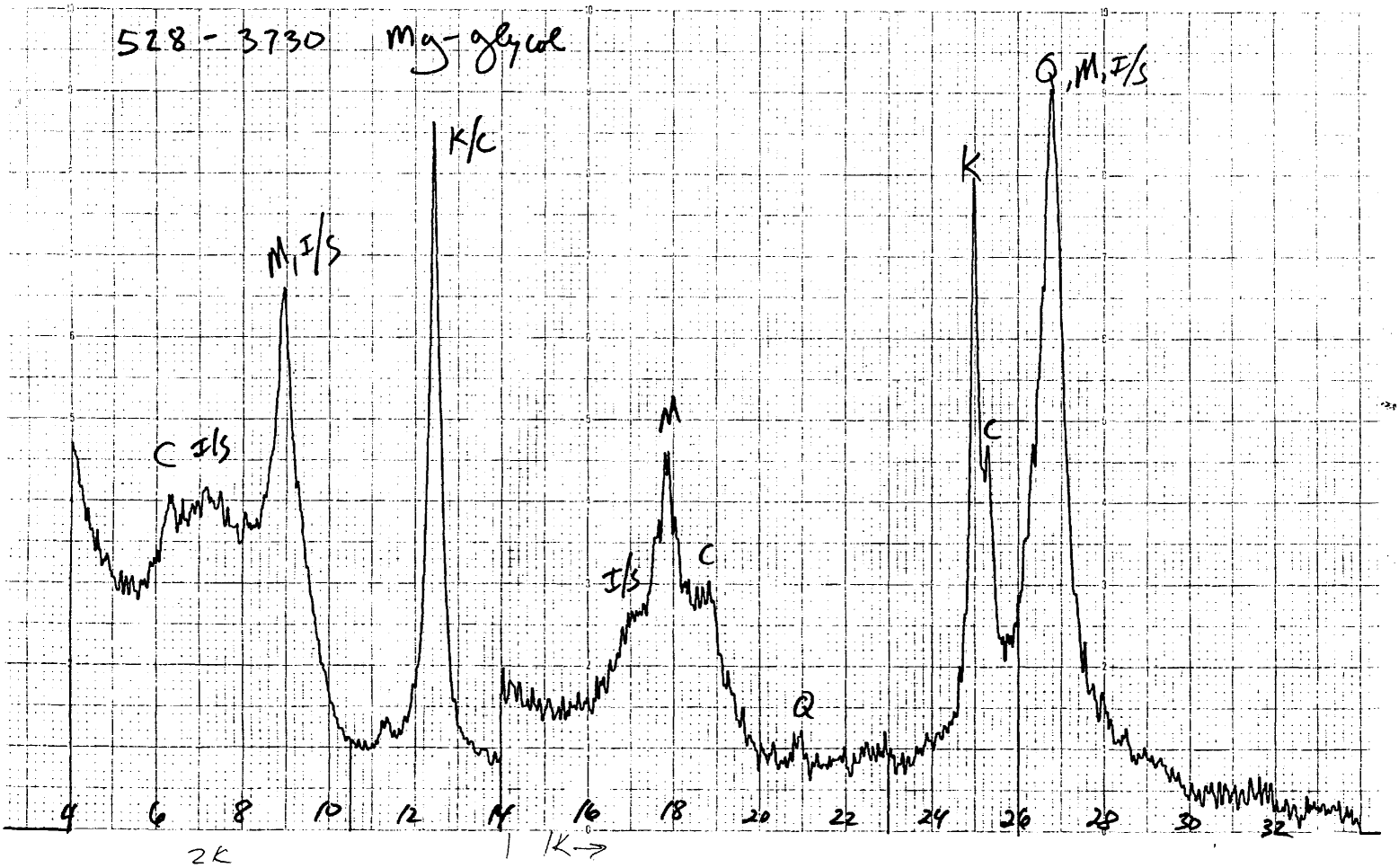

528 - 2955
Mg - glycol
M
K, C
C
I/S
M
I/S
C
Q
K
C
Q, M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


528 - 2970
Mg - glycol
Q,M
M
K/C
K
C
M
C
I/S
I/S
C
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

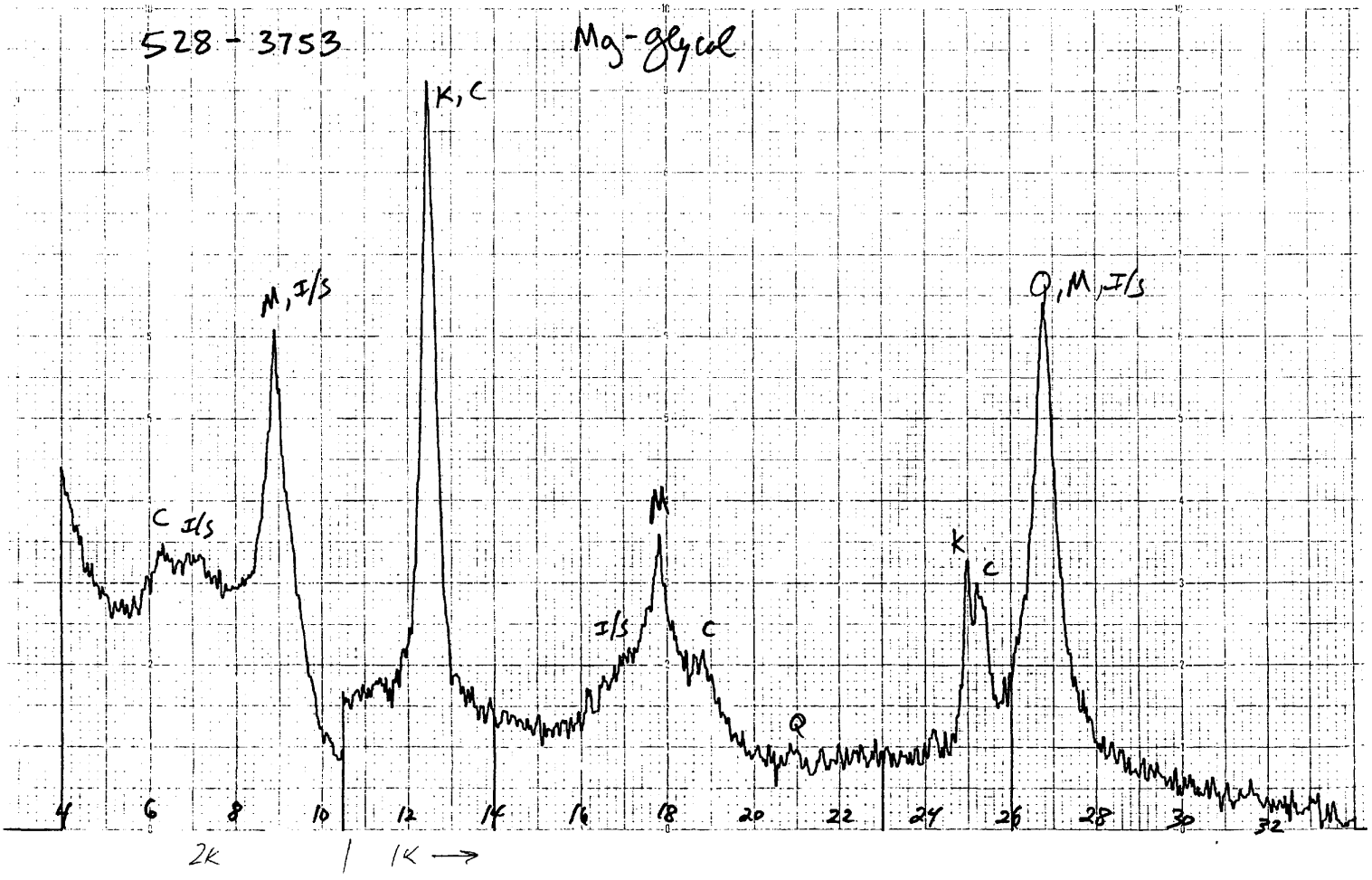

528-3330-40
Mg-glycol
CUTTINGS
M
C
I/S
K/C
M
I/S
C
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K


528 - 3400-3420 Mg-glycol CUTTINGS
M
C
I/S
K,C
M
I/S
C
Q
K
C
a,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K

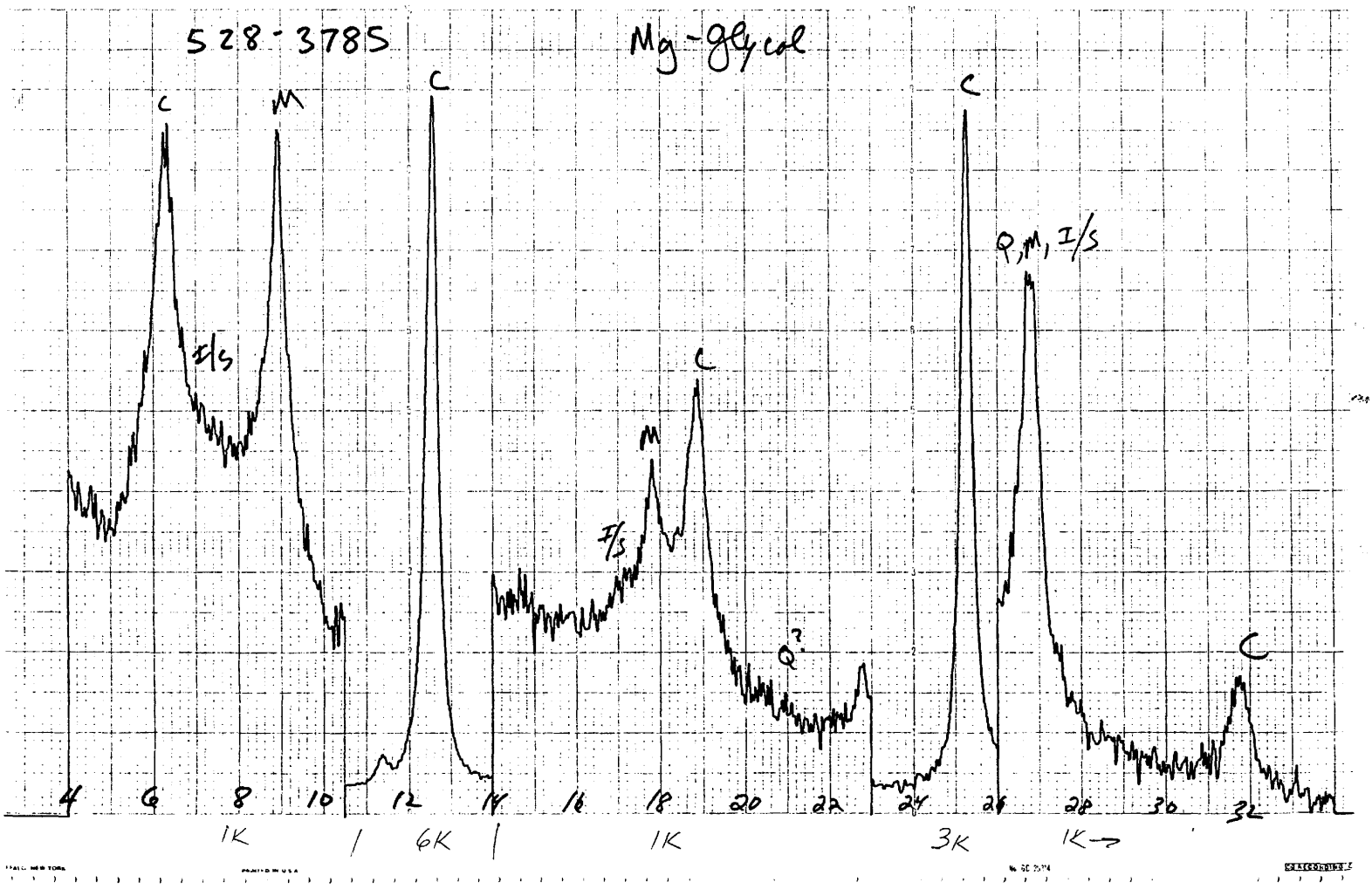

528 - 3700
Mg-glycol
K/C
K
Q,M
M,I/S
C
I/S
M
I/S
C
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1 1K →

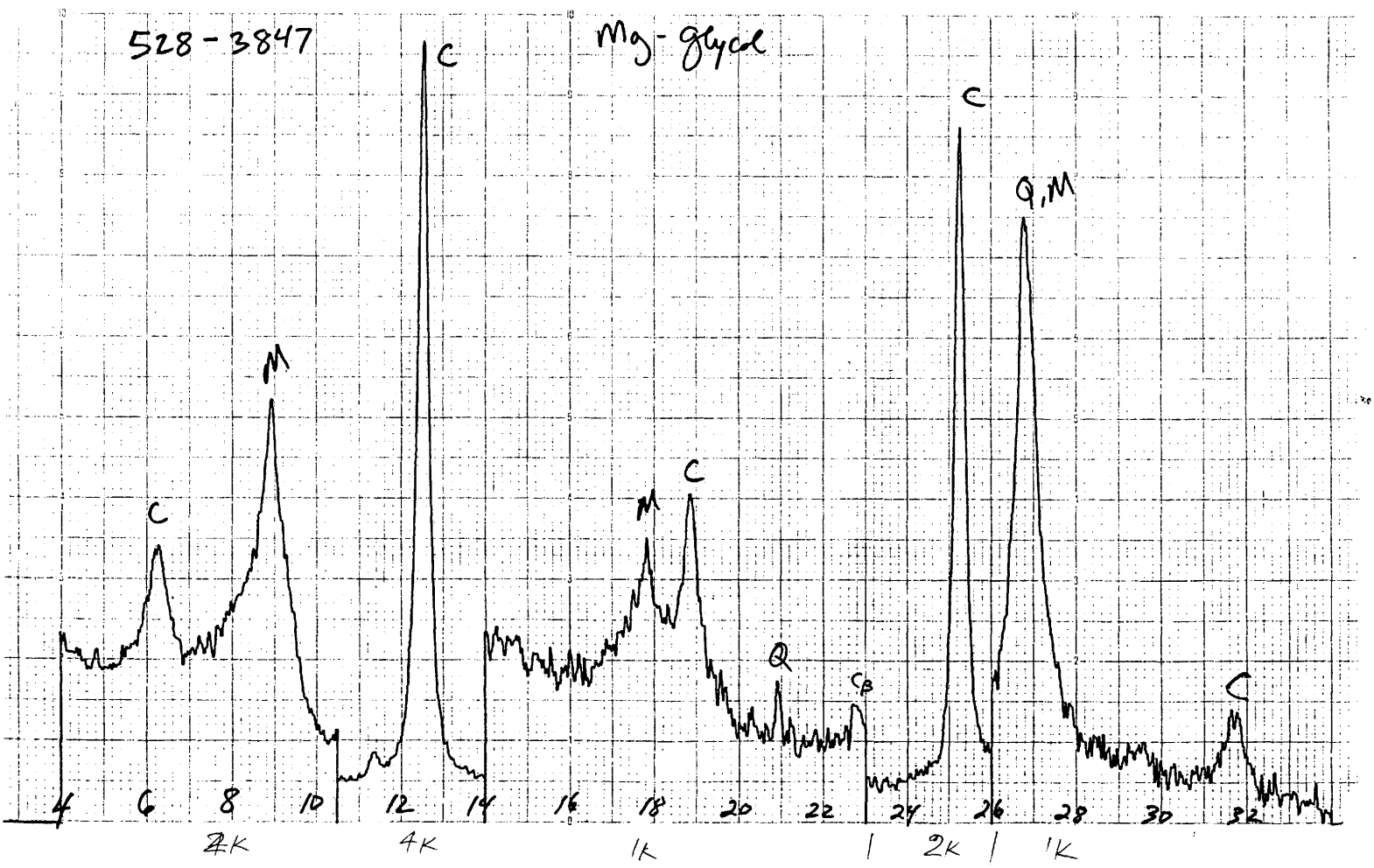


GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A. No GC 79314



No GC 2504 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK


528-3785
Mg-glycol
C
M
I/S
C
M
I/S
C
Q?
C
Q, M, I/S
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
6K
1K
3K
1K→


528-3847
Mg-glycol
C
M
C
M
C
Q
Cβ
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
4K
4K
1K
2K
1K

22 P

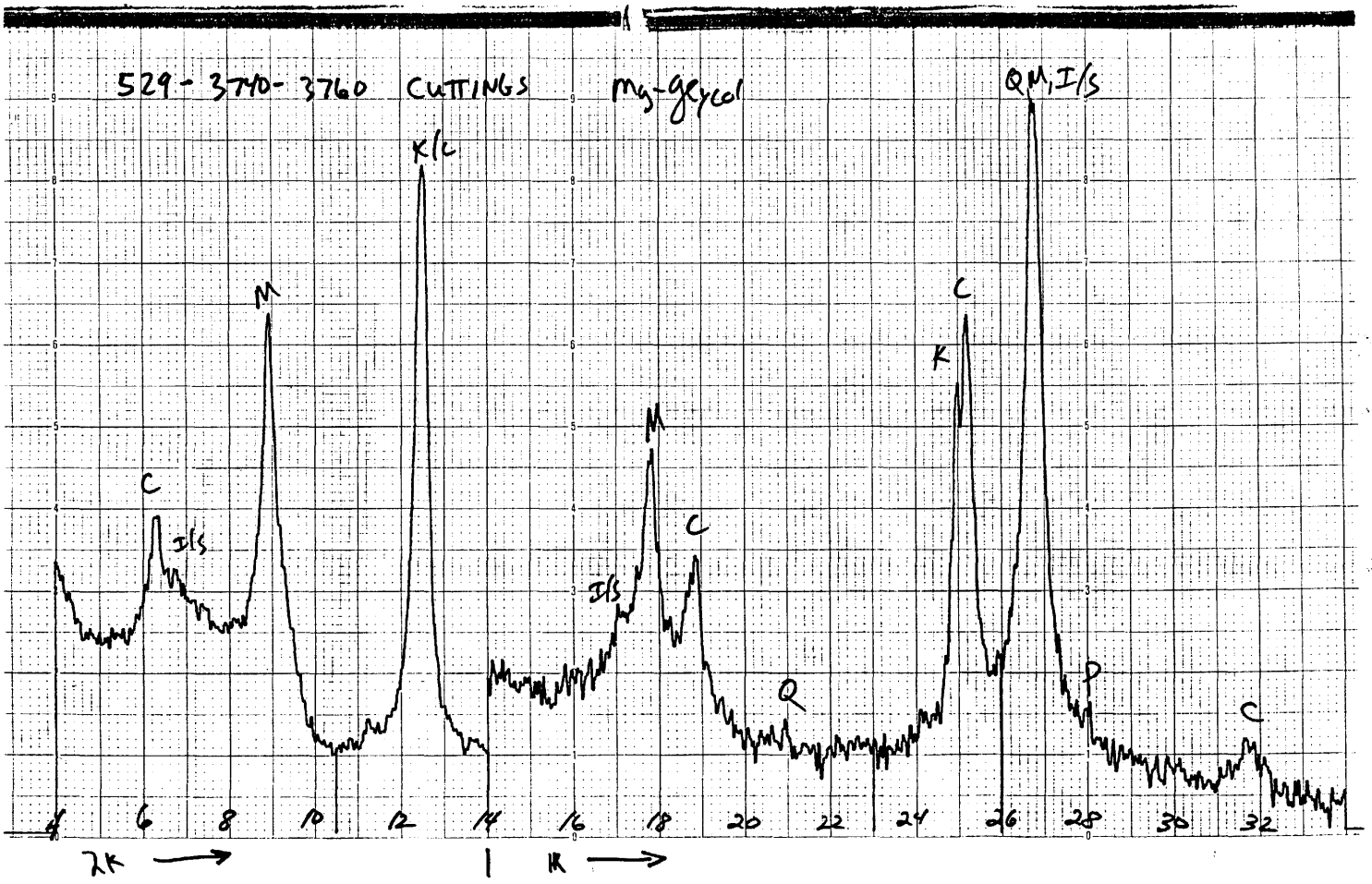
KUYANAK NO. 1 (ST. NO. 529)

DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
3740-60	-	MOD	MOD	MAJ	MOD	Q,P
3990-4020	-	MOD	MOD	MAJ	MOD	Q,P
4200-30	-	MOD	MOD	MAJ	MOD	Q,P
4400-20	-	MOD	MOD	MAJ	MOD	Q,P
4590-4620	-	MOD	MOD	MOD	MOD	Q,P
4790-4810	-	MOD	MOD	MOD	MOD	Q,P
4965	-	MOD	MOD	MOD	MAJ	Q,P,PY
4980	-	MOD	MAJ	MOD	MOD	Q,P
5000	-	MOD	MOD	MOD	MAJ	Q1,P,PY
5020	-	MOD	MOD	MOD	MOD	Q,P
5040	-	MOD	MOD	MOD	MAJ	Q1,P
5066	-	MIN	MOD	MIN	MAJ	Q
5074	-	MOD	MOD	MOD	MOD	Q
5108	-	MOD	-	MAJ	-	GL
5150	-	MOD	-	MAJ	-	GL
5176	-	MAJ	MOD	MOD	MIN	Q
5186	-	MAJ	MOD	MOD	MOD	Q
6212	-	MAJ	MOD	MAJ	-	Q
6236	-	MOD	MOD	MOD	MOD	Q
6283	-	-	MOD	MAJ	-	Q1
6683	-	-	MOD	MAJ	-	Q1,P

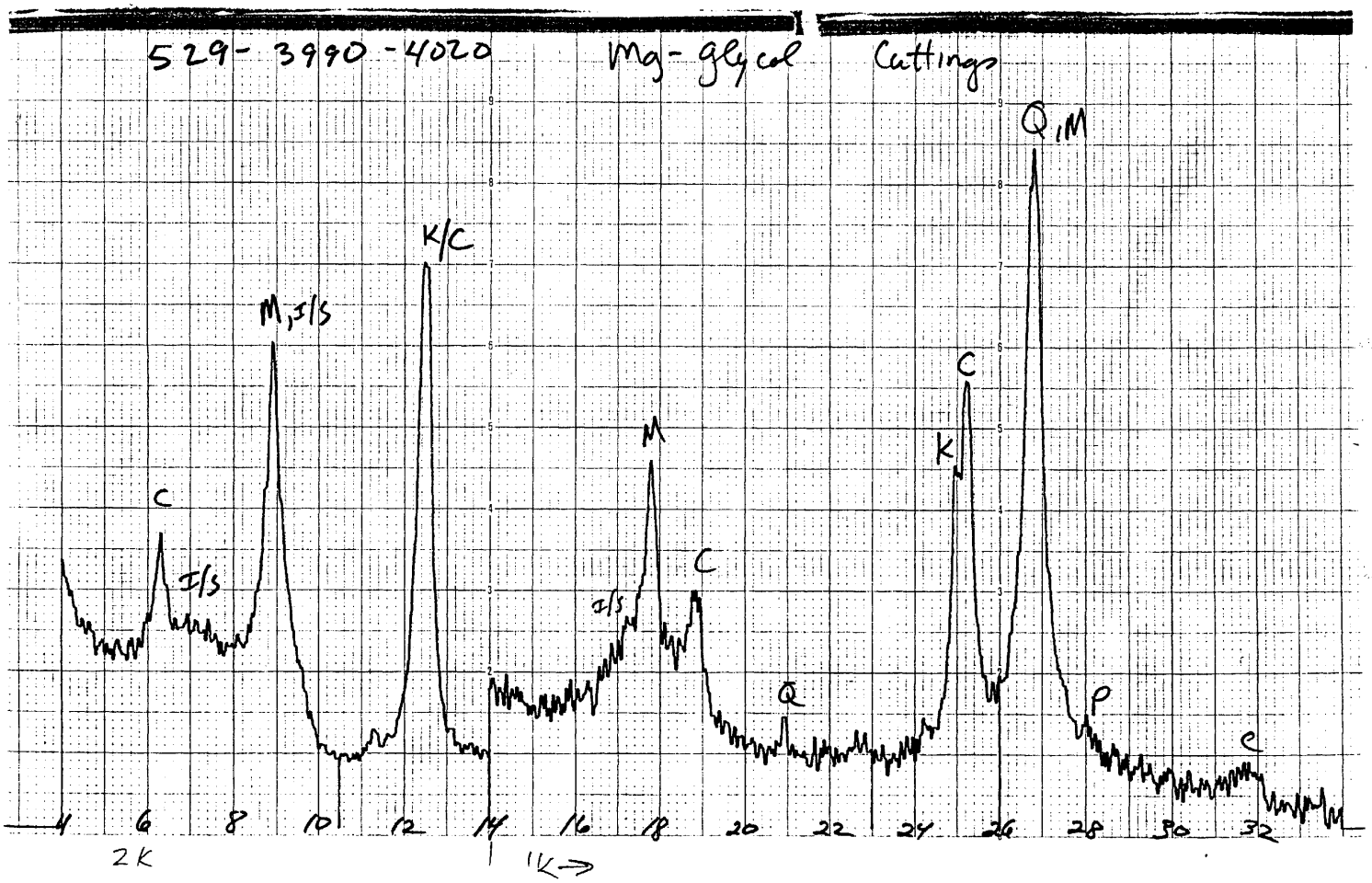
RECEIVED
MAR 12 1984
Alaska Oil & Gas Conservation Commission

Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, D = Dolomite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.

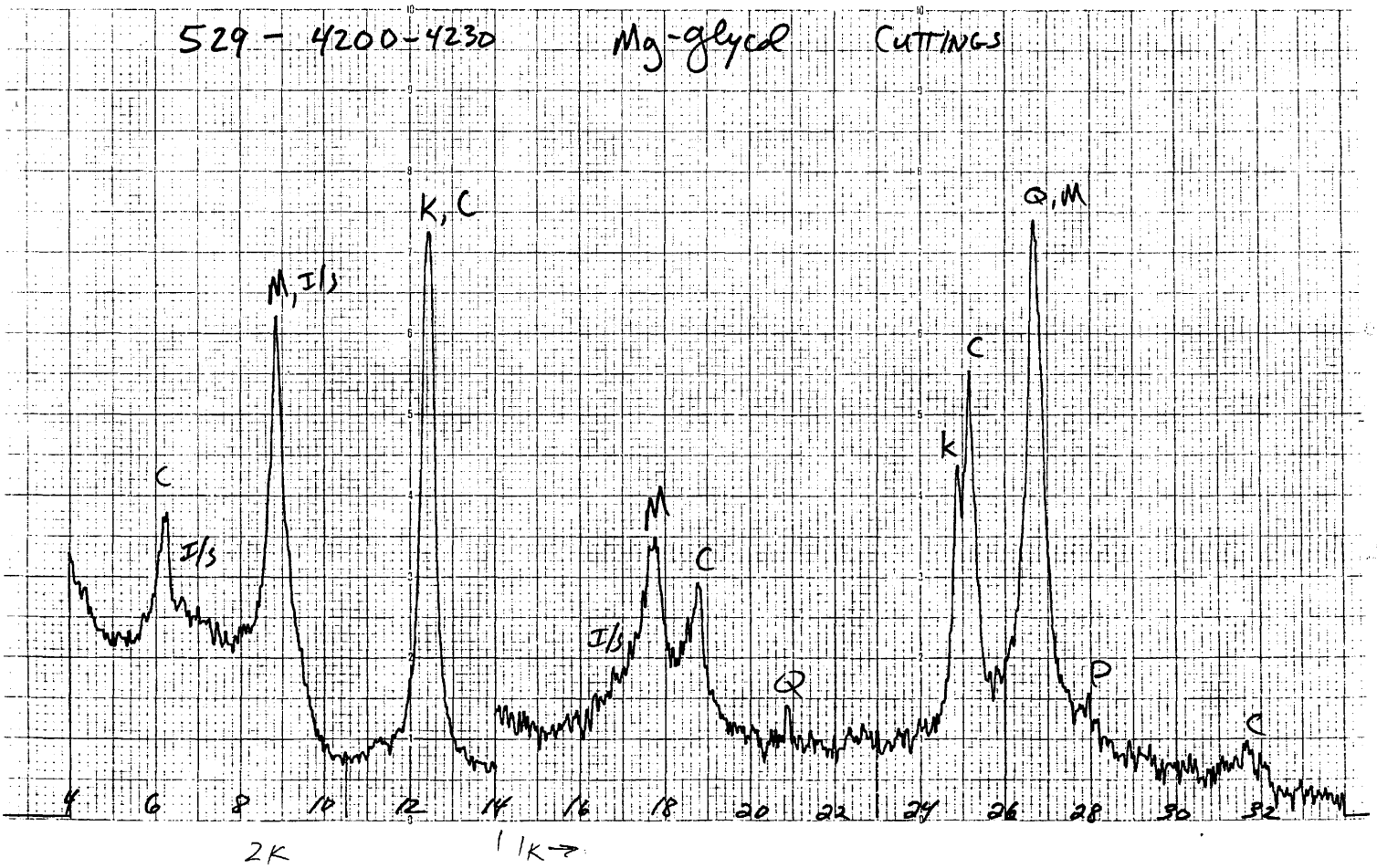
1 = weak, 2 = moderate, 3 = strong xrd peak



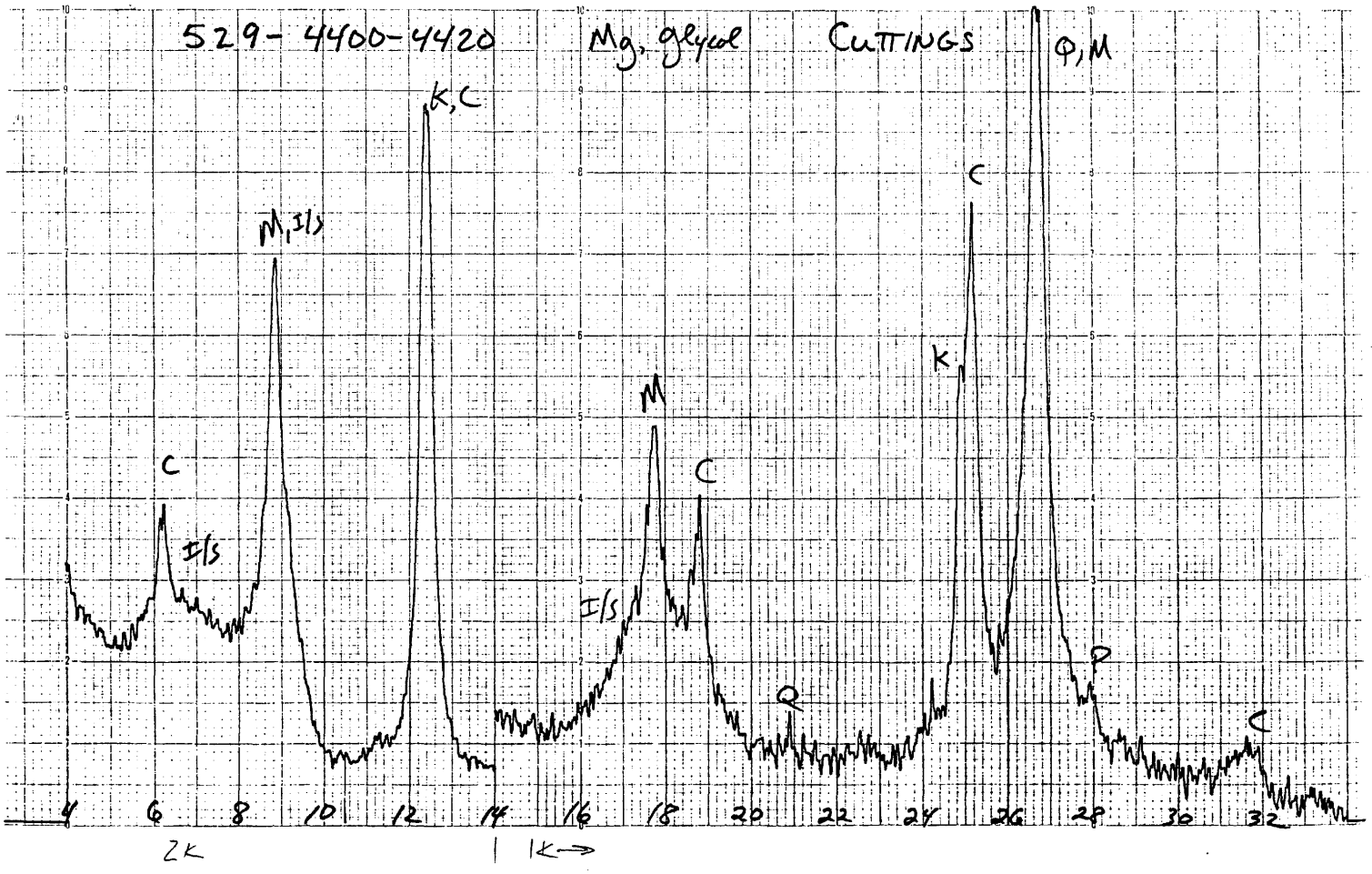
No. GC 25014
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.

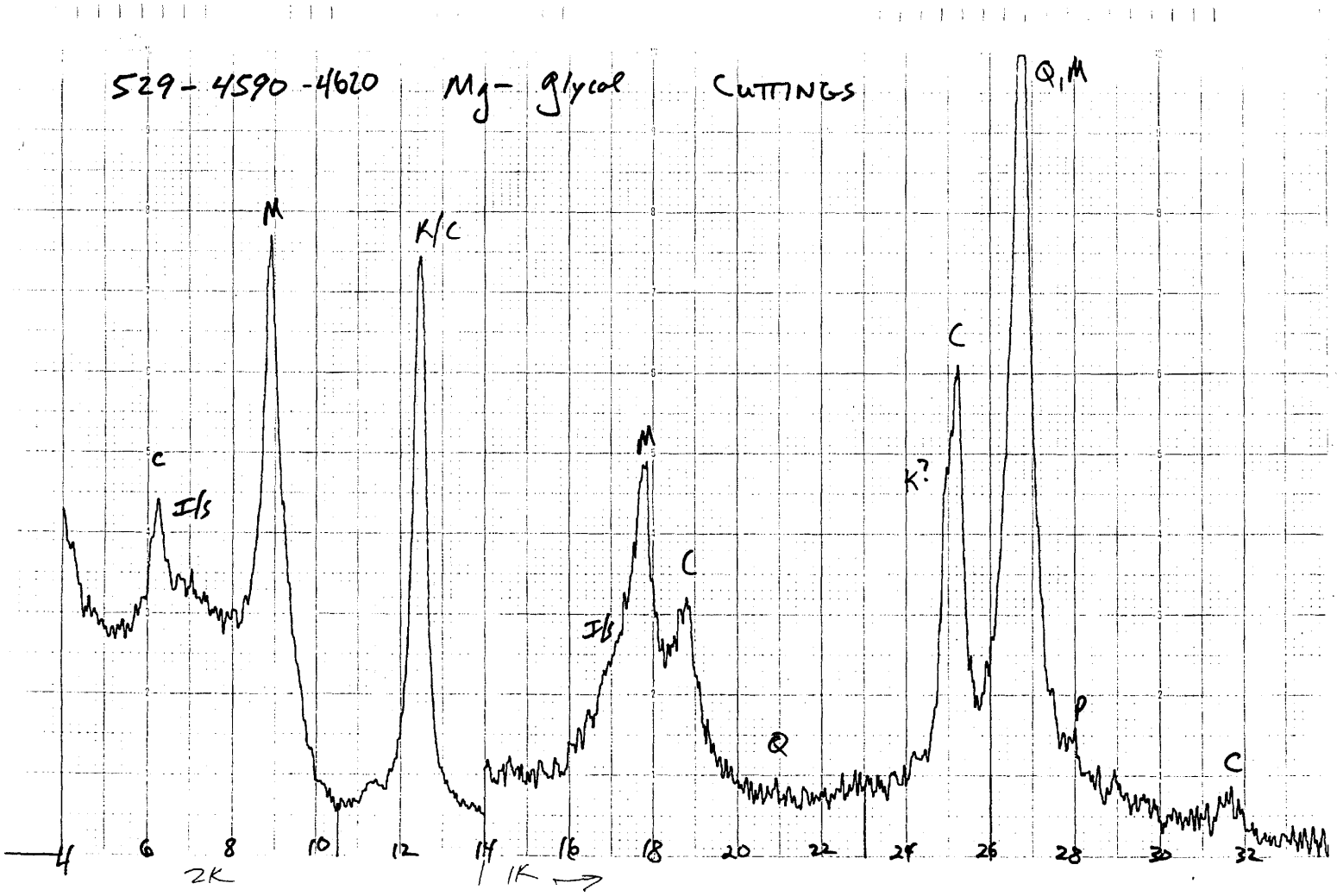


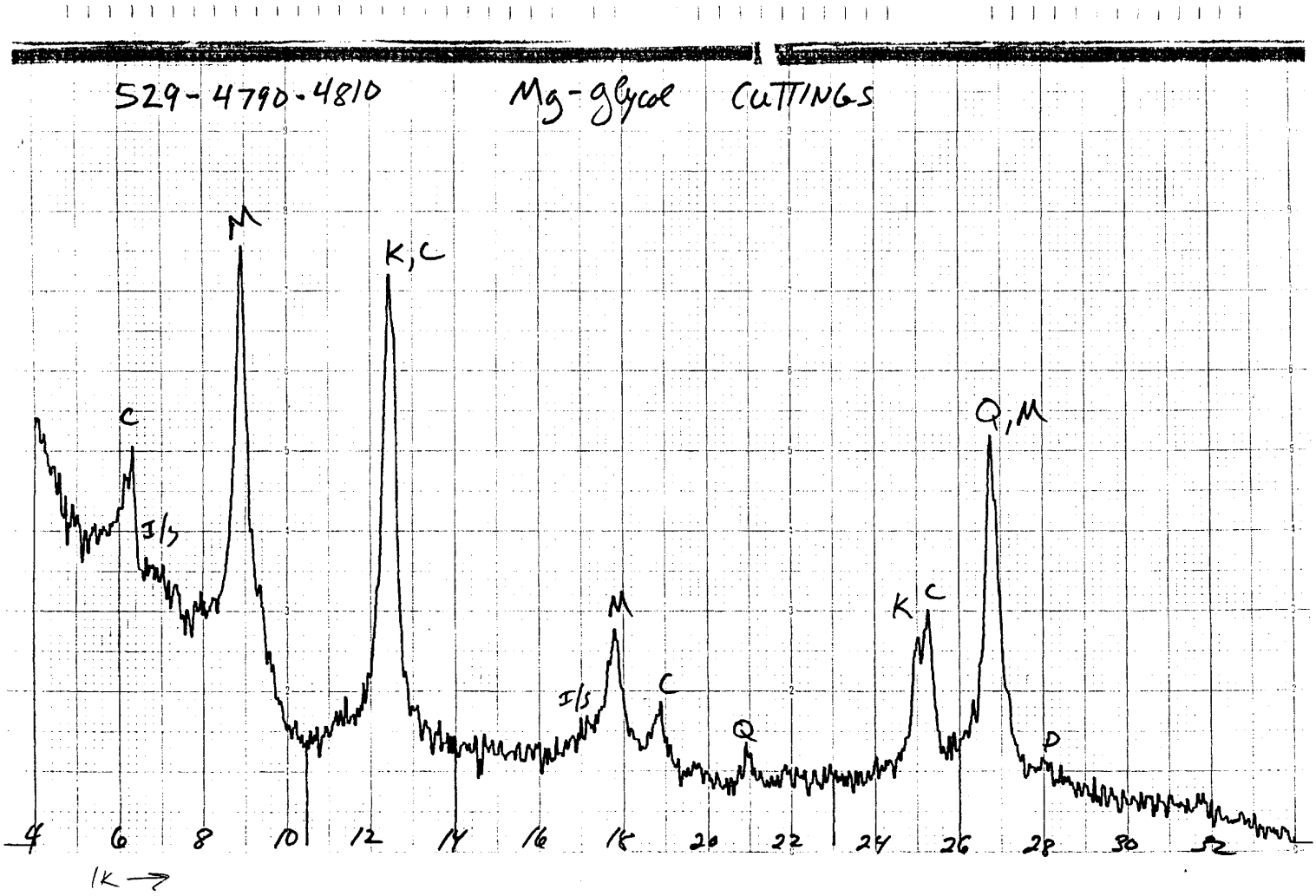
No. GC 29314
GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

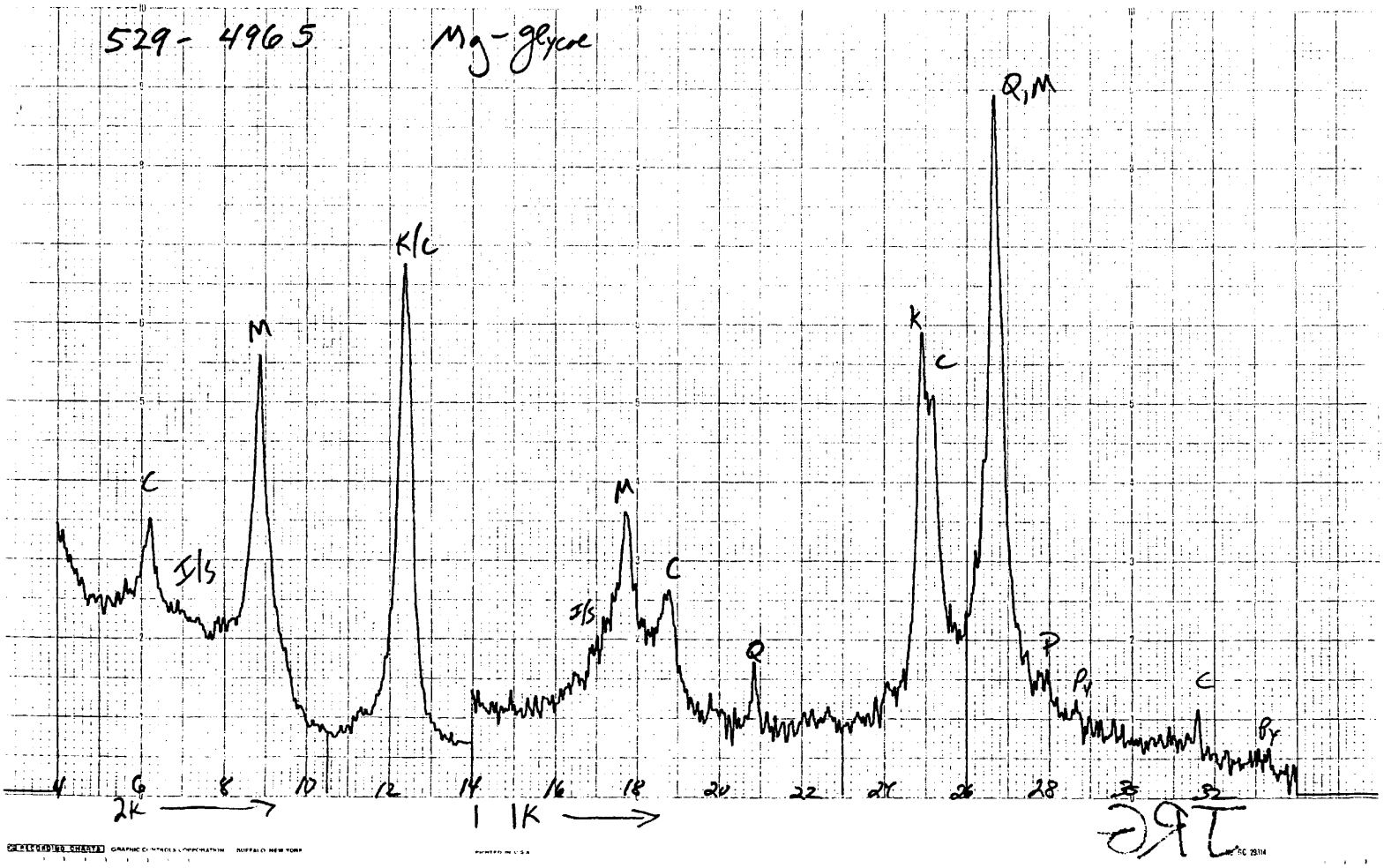


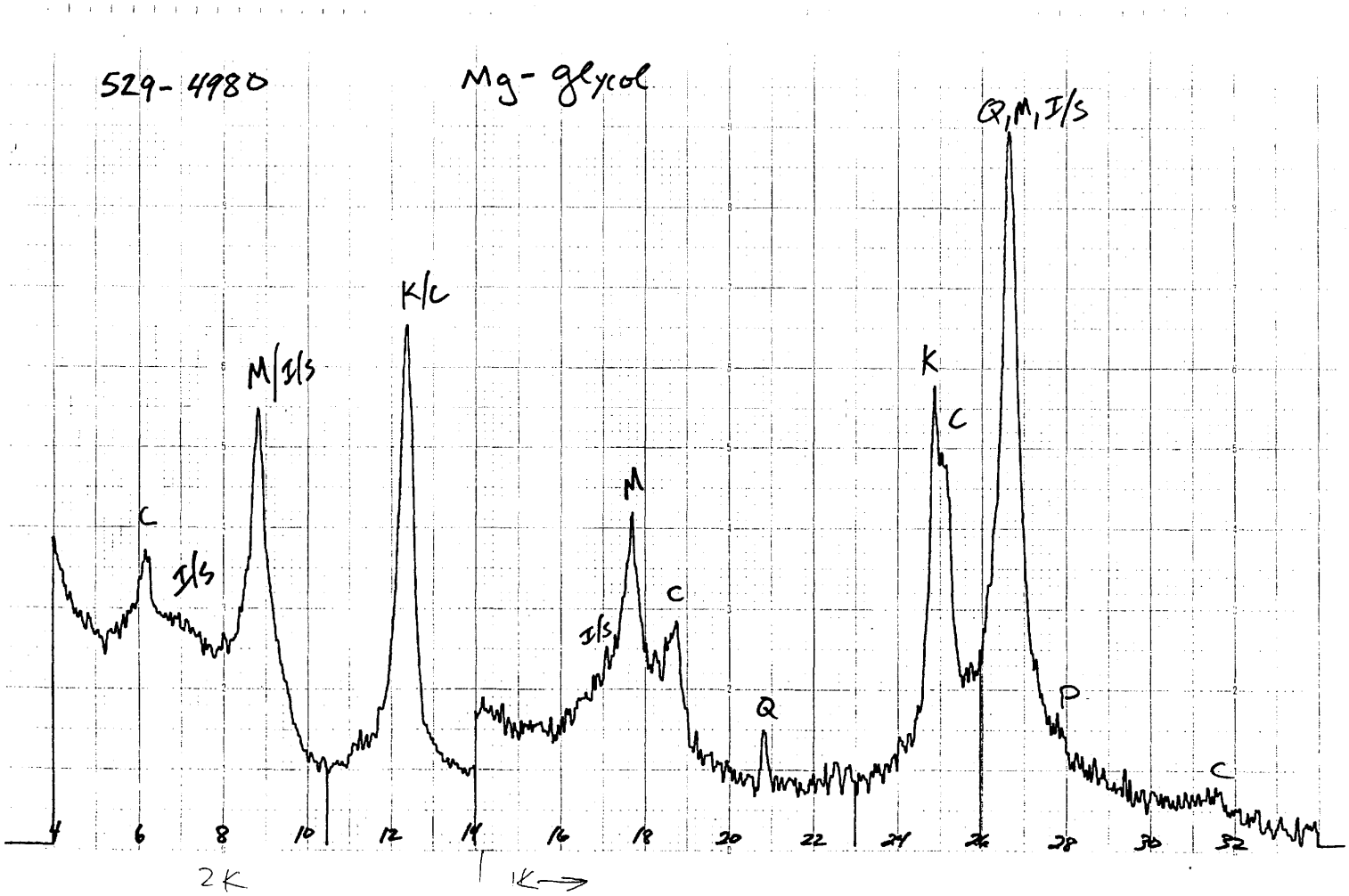
SC 29314 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

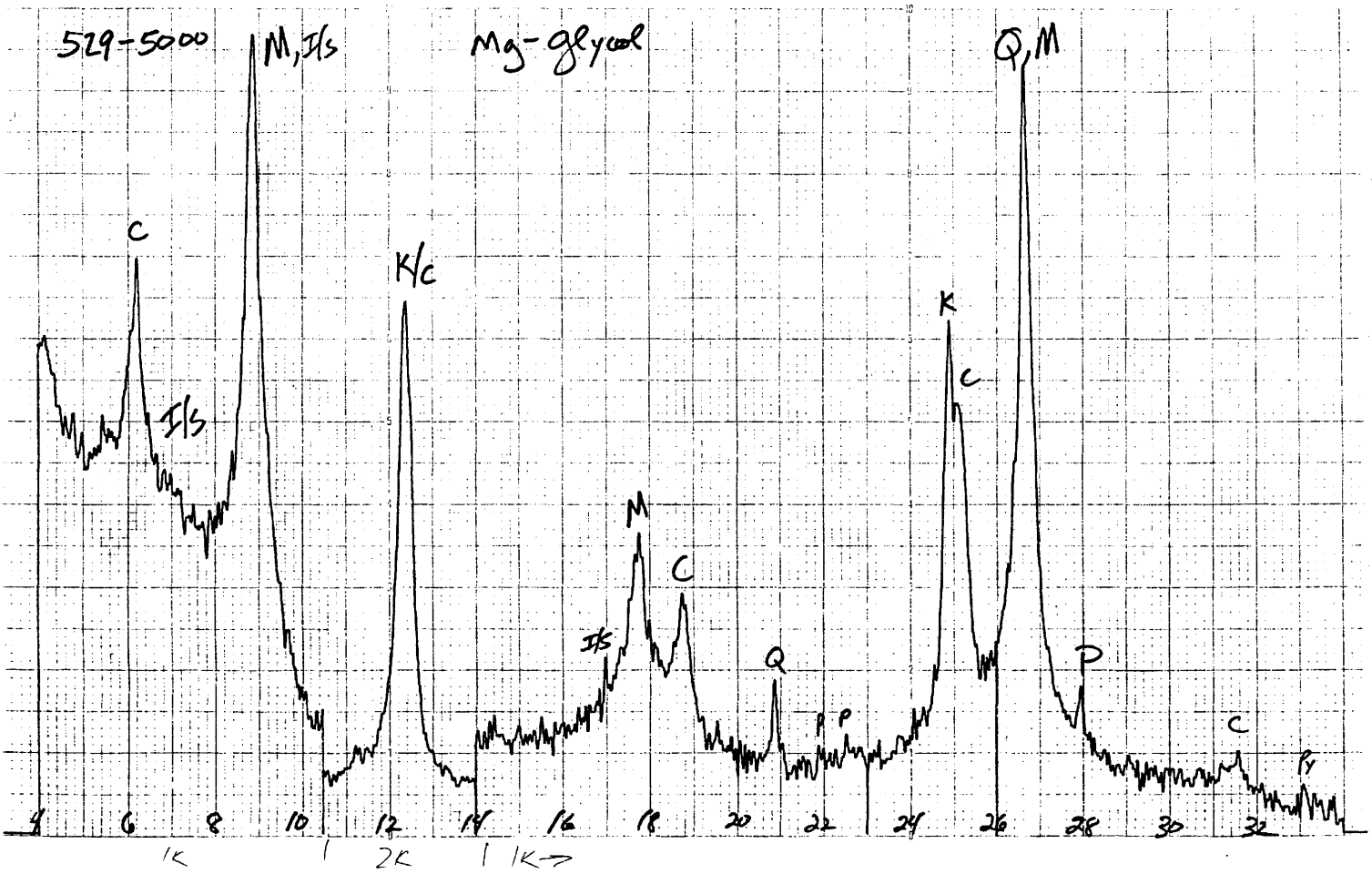

529- 4400-4420
Mg, glycol
CUTTINGS
Φ,M
K,C
M,I/S
C
I/S
M
C
I/S
Q
K
C
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

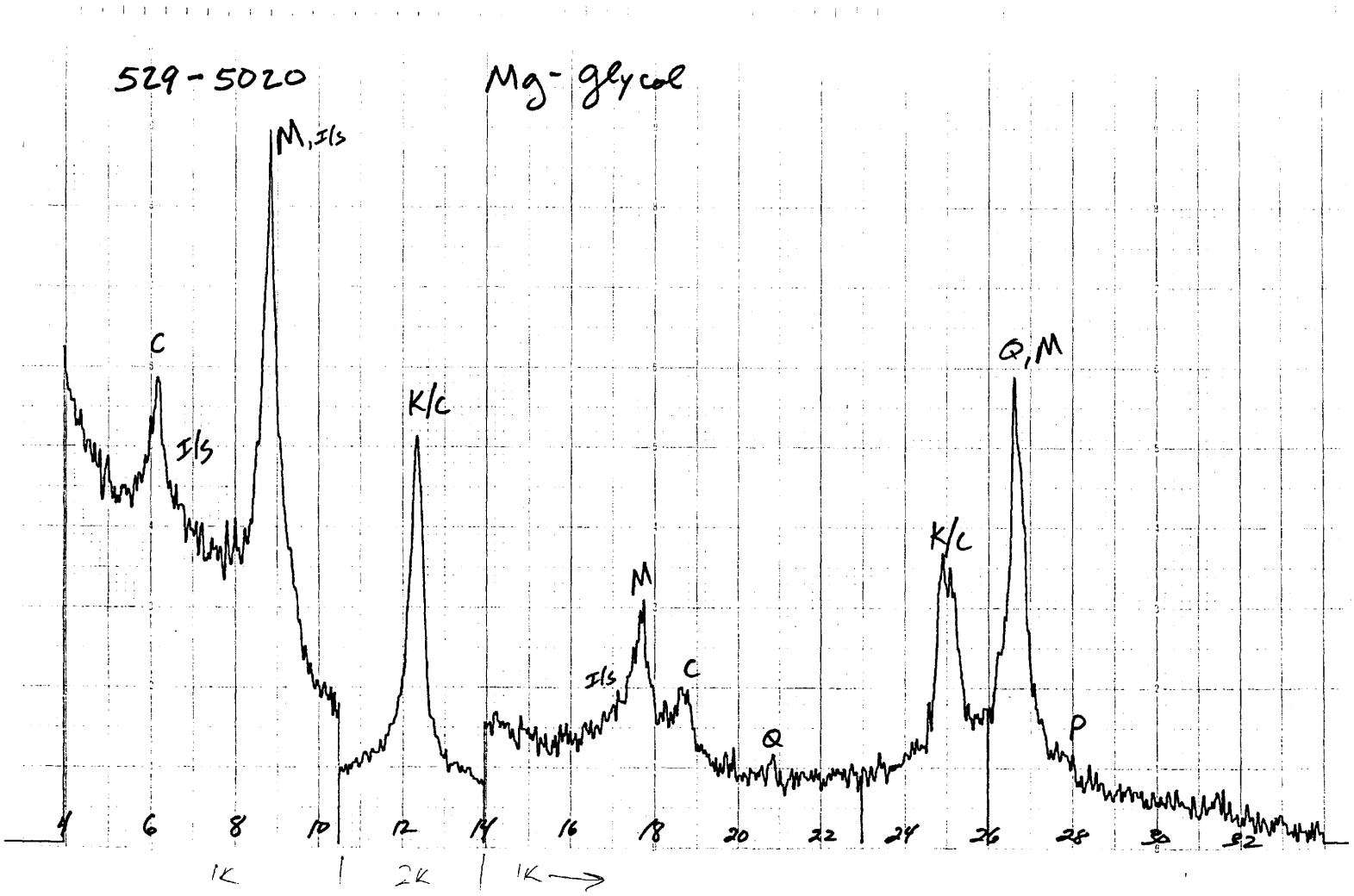

529- 4590 -4620 Mg- glycol CUTTINGS
Q,M
M
K/C
C
M
K?
C
C
I/S
I/S
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

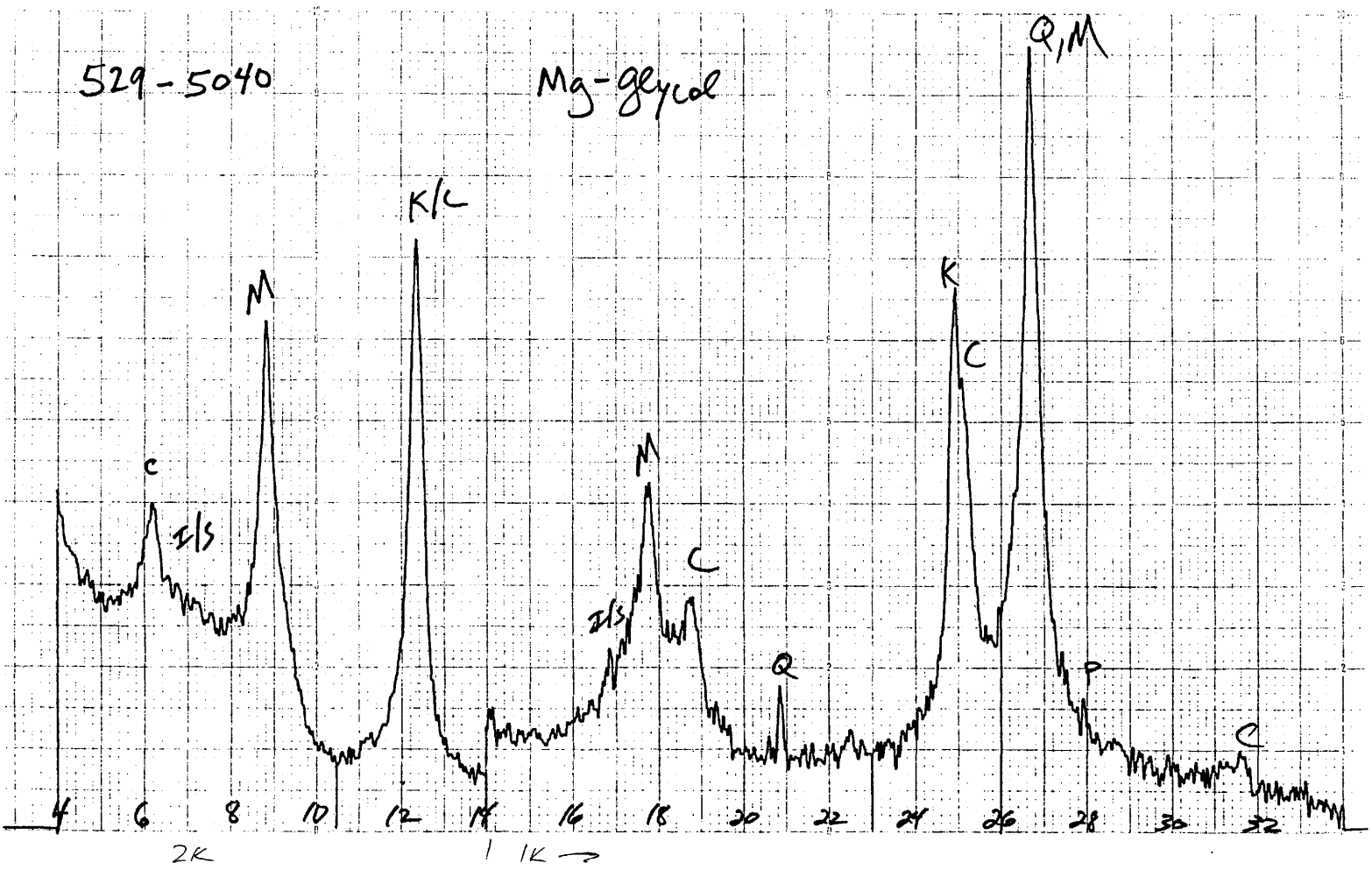

529-4790-4810
Mg-glycol CUTTINGS
M
K,C
C
I/S
M
I/S
C
Q
K
C
Q,M
D
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K →

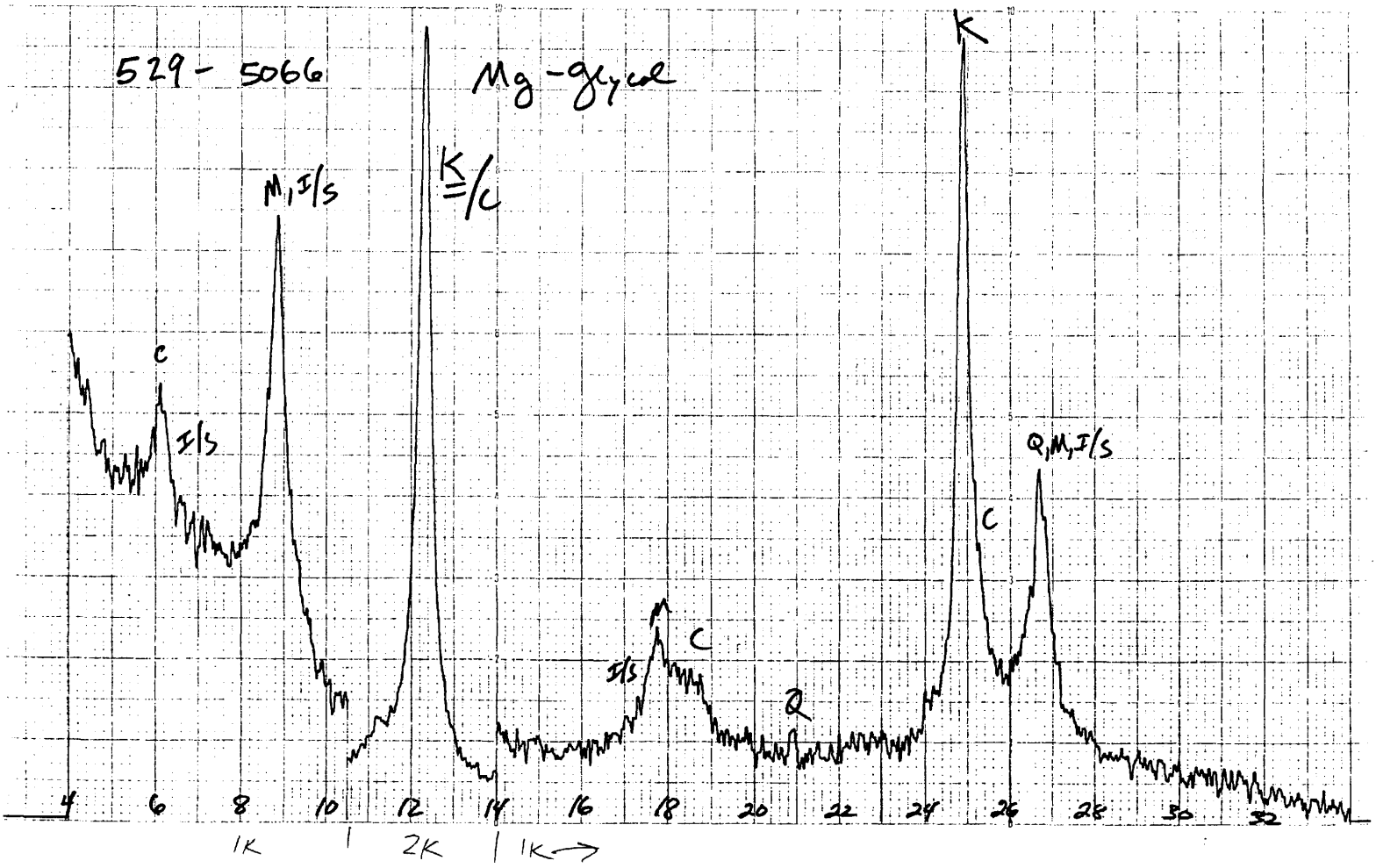

529- 4965
Mg-glycol
C
I/S
M
K/C
M
I/S
C
Q
K
C
Q,M
P
Pr
C
Pr
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

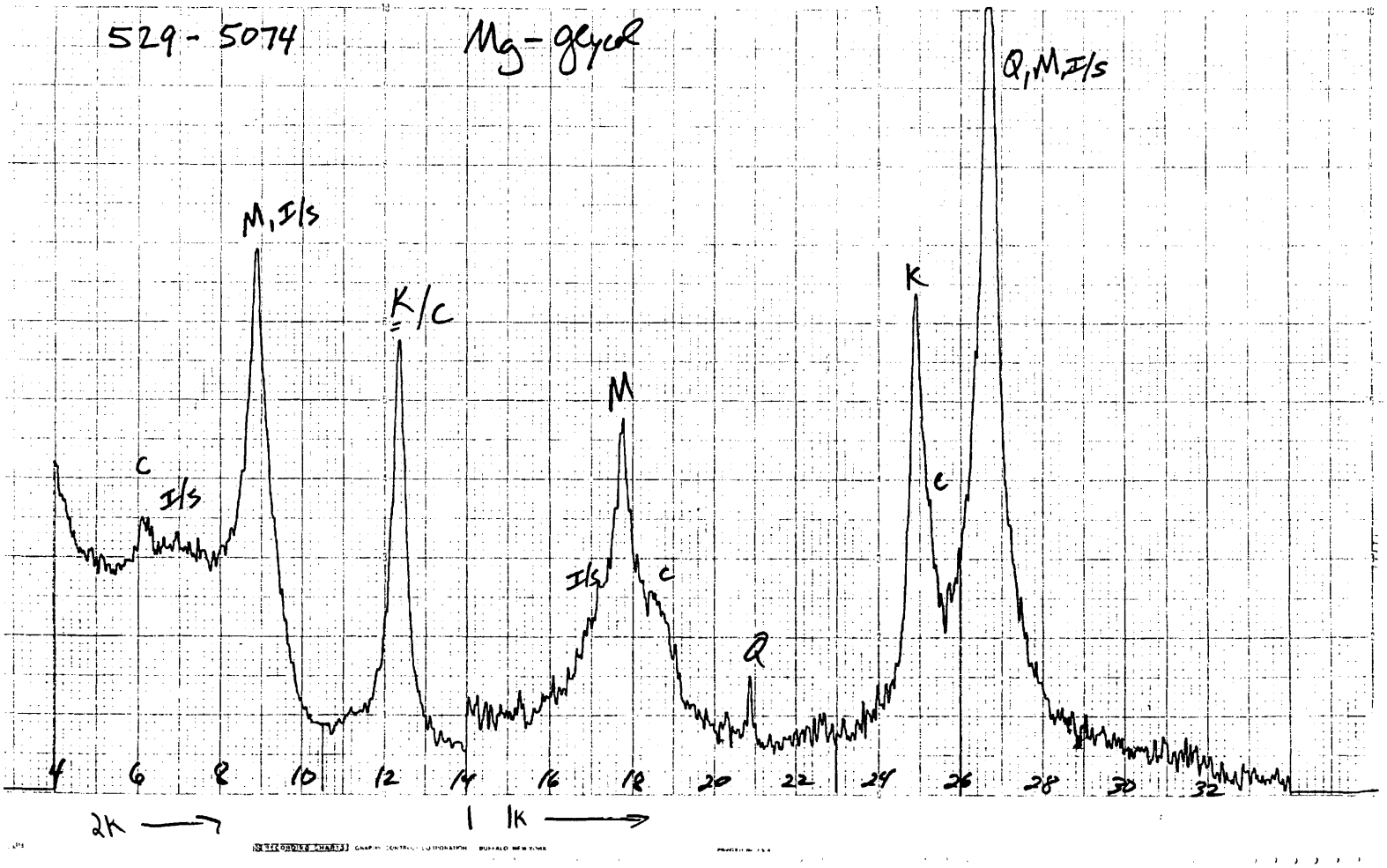

529-4980
Mg-glycol
C
I/S
M/I/S
K/C
I/S
M
C
Q
K
C
Q,M,I/S
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

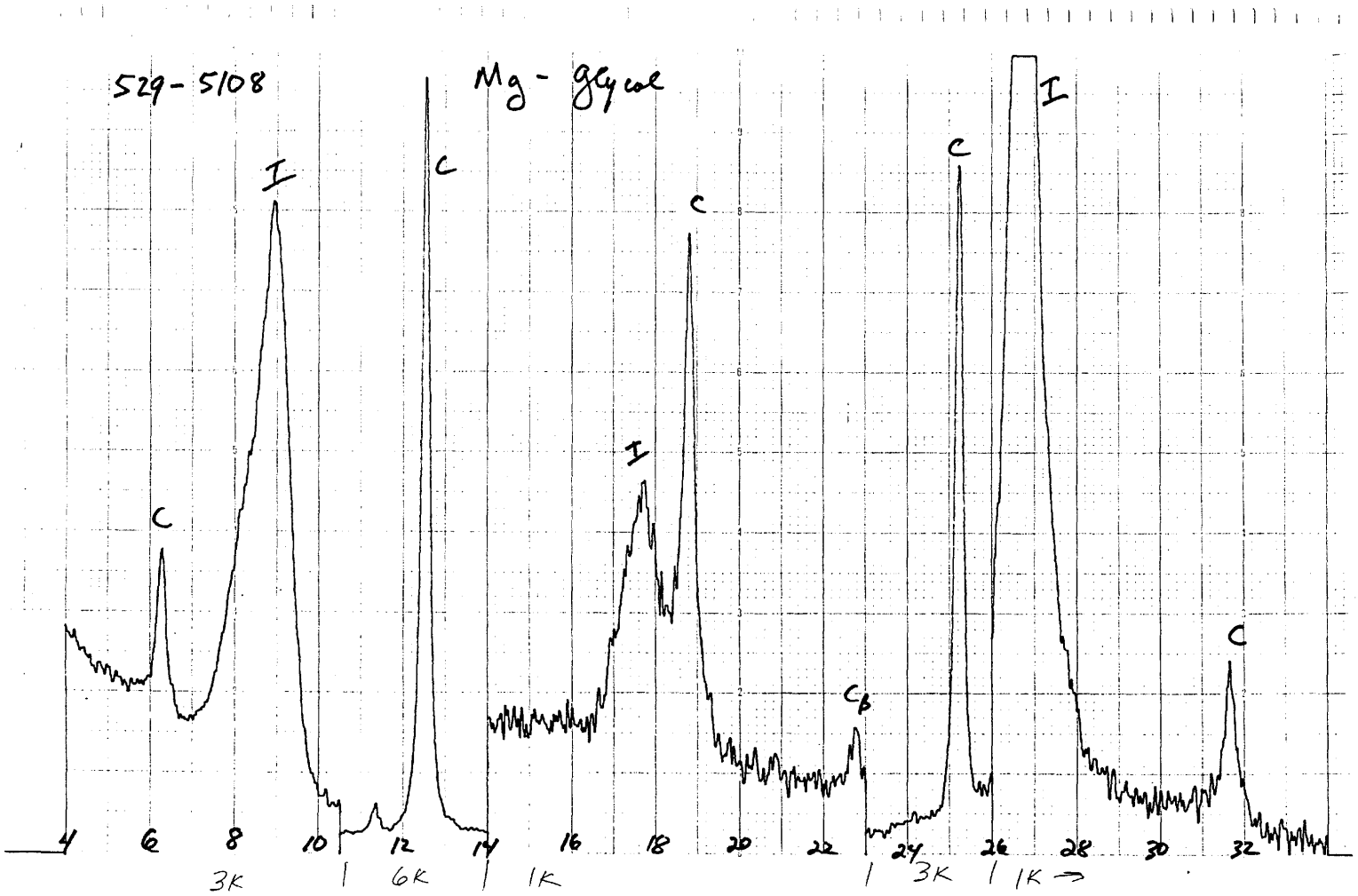

529-5000
M, I/s
Mg-glycol
Q, M
C
I/s
K/C
K
C
M
C
I/s
Q
P P
P
C
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K

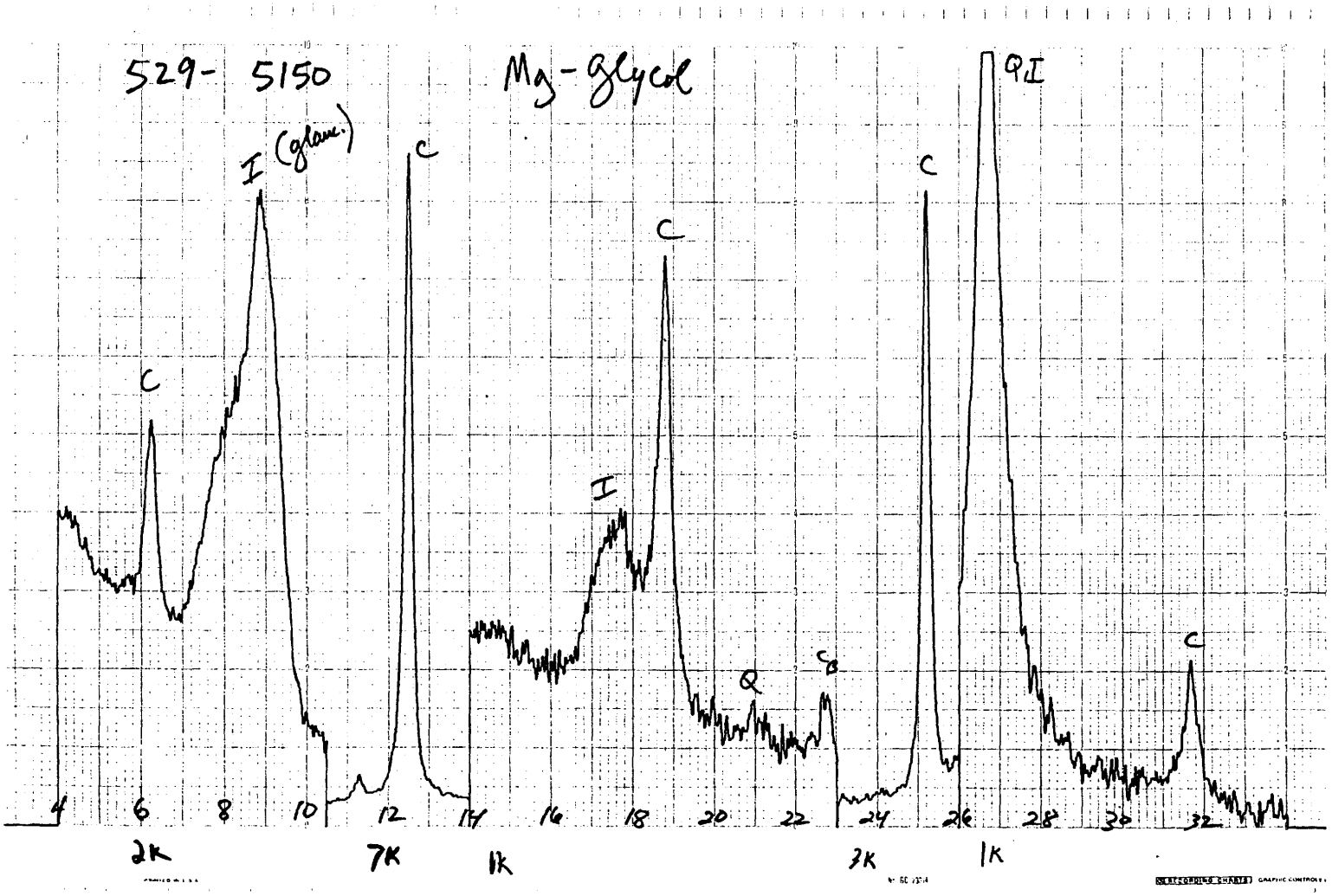

529-5020
Mg-glycol
M, I/s
C
I/s
K/C
M
I/s
C
Q
K/C
Q, M
P
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K

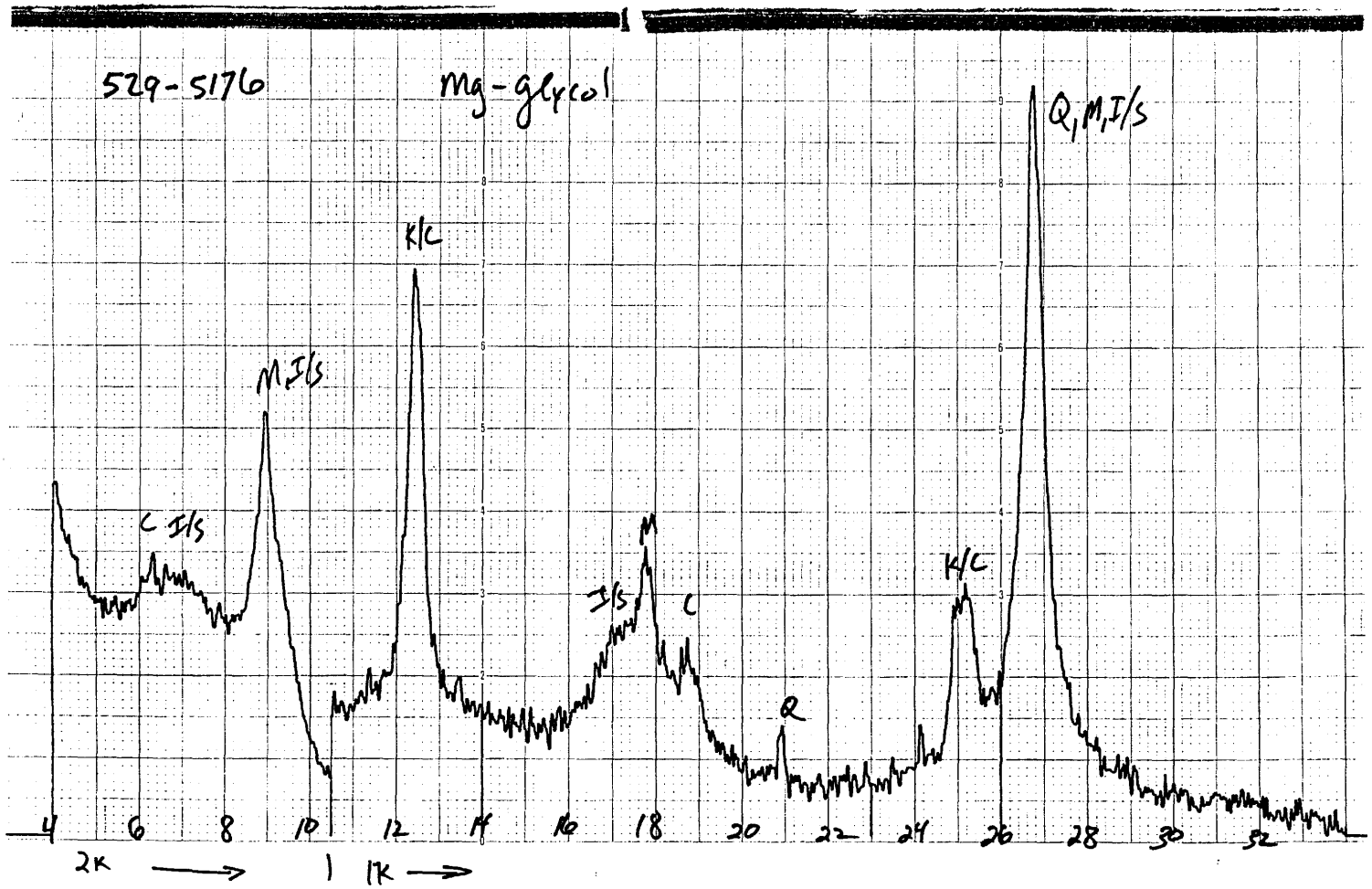

529-5040
Mg-glycol
Q,M
K/C
M
K
C
C
M
C
I/S
I/S
Q
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

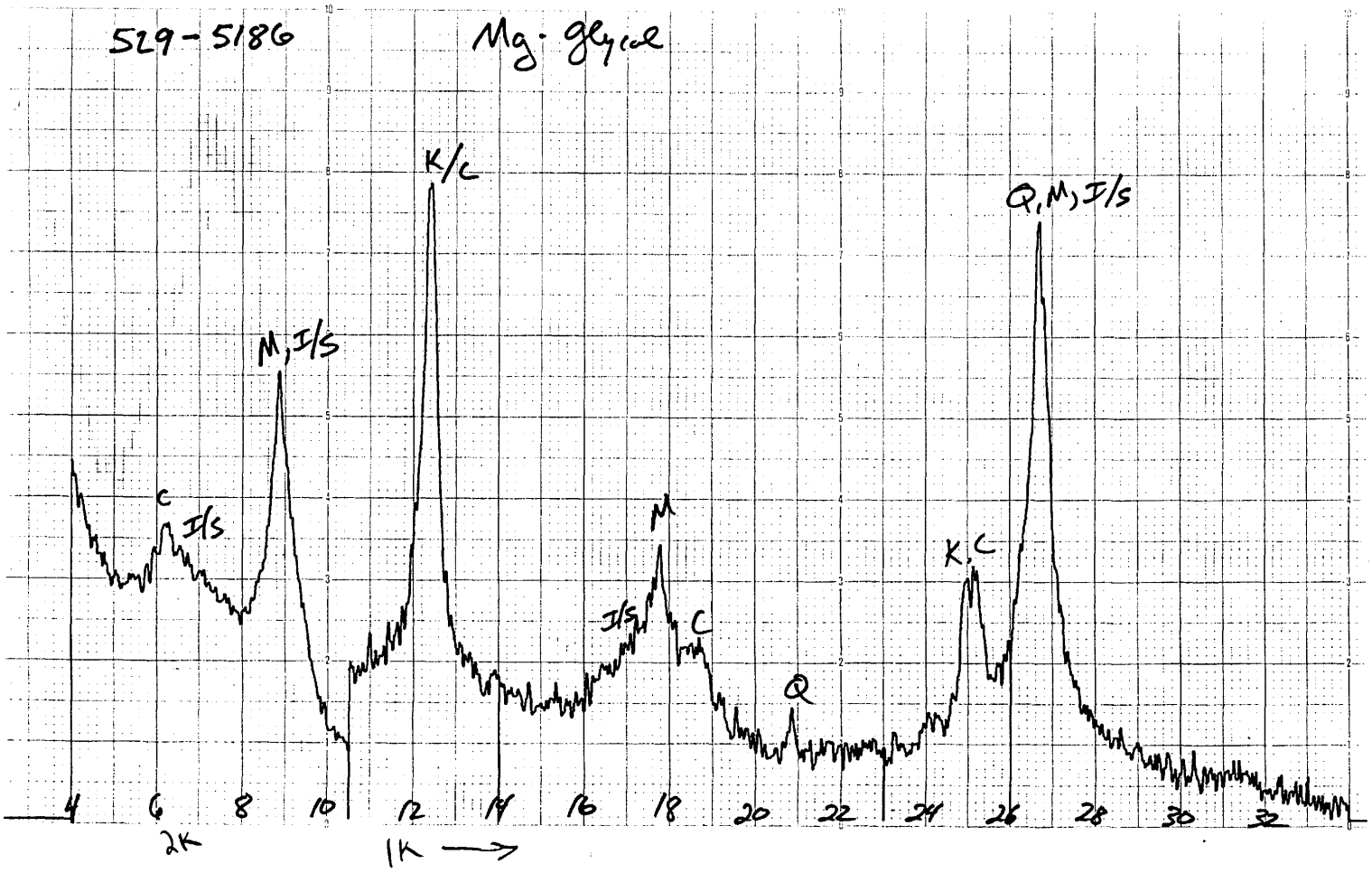

529- 5066
Mg-glycol
M, I/s
K/C
C
I/s
I/s
C
Q
K
C
Q, M, I/s
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
2K
1K


529-5074
Mg-glycol
Q,M,I/s
M,I/s
K/c
M
K
c
I/s
c
I/s
c
Q
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1
1K

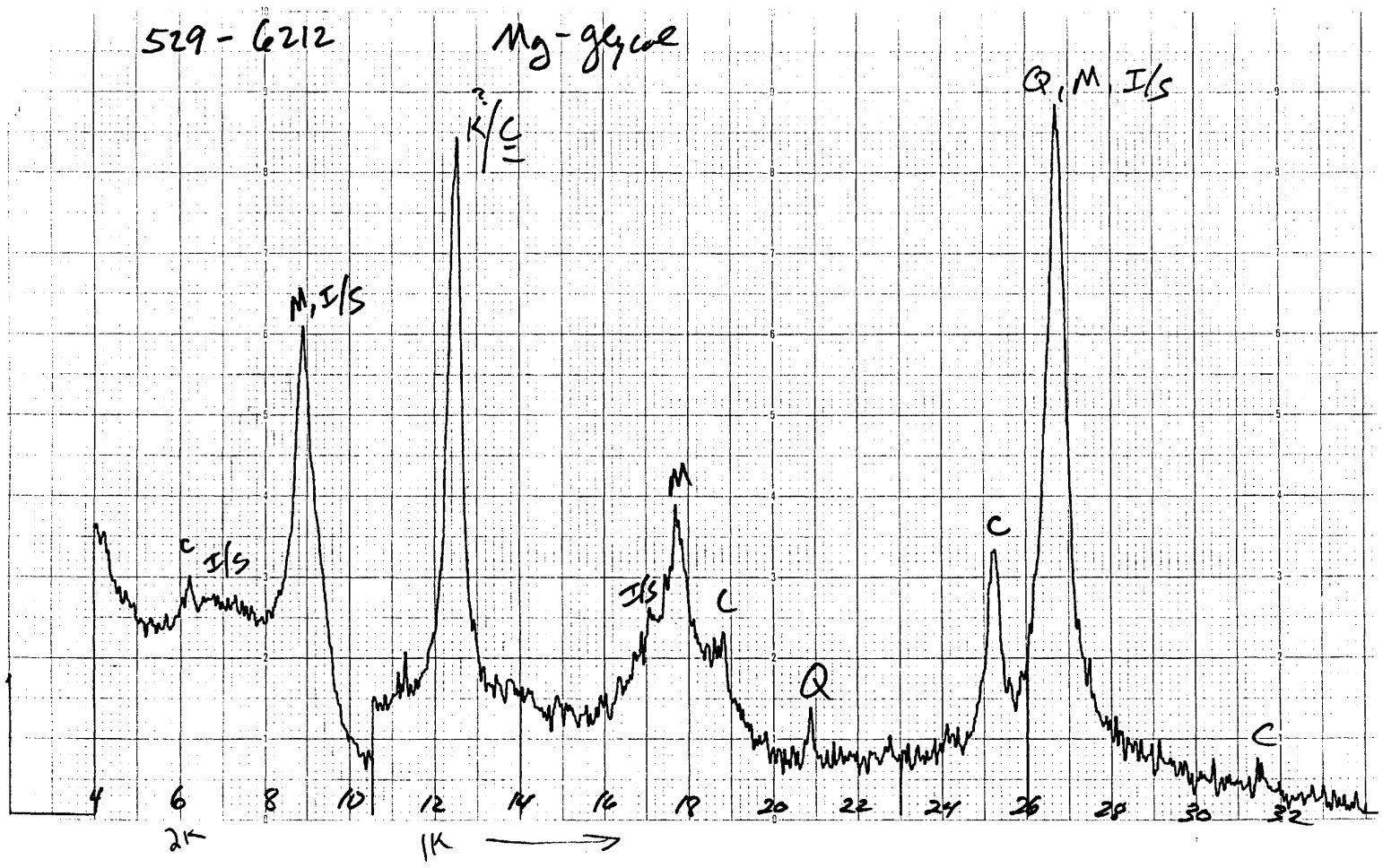

529-5108
Mg-glycol
I
C
C
I
C
C
I
C
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
6K
1K
3K
1K


529- 5150
Mg-glycol
I (glauc.)
C
C
C
C
I
Q
C
QI
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
7K
1K
3K
1K

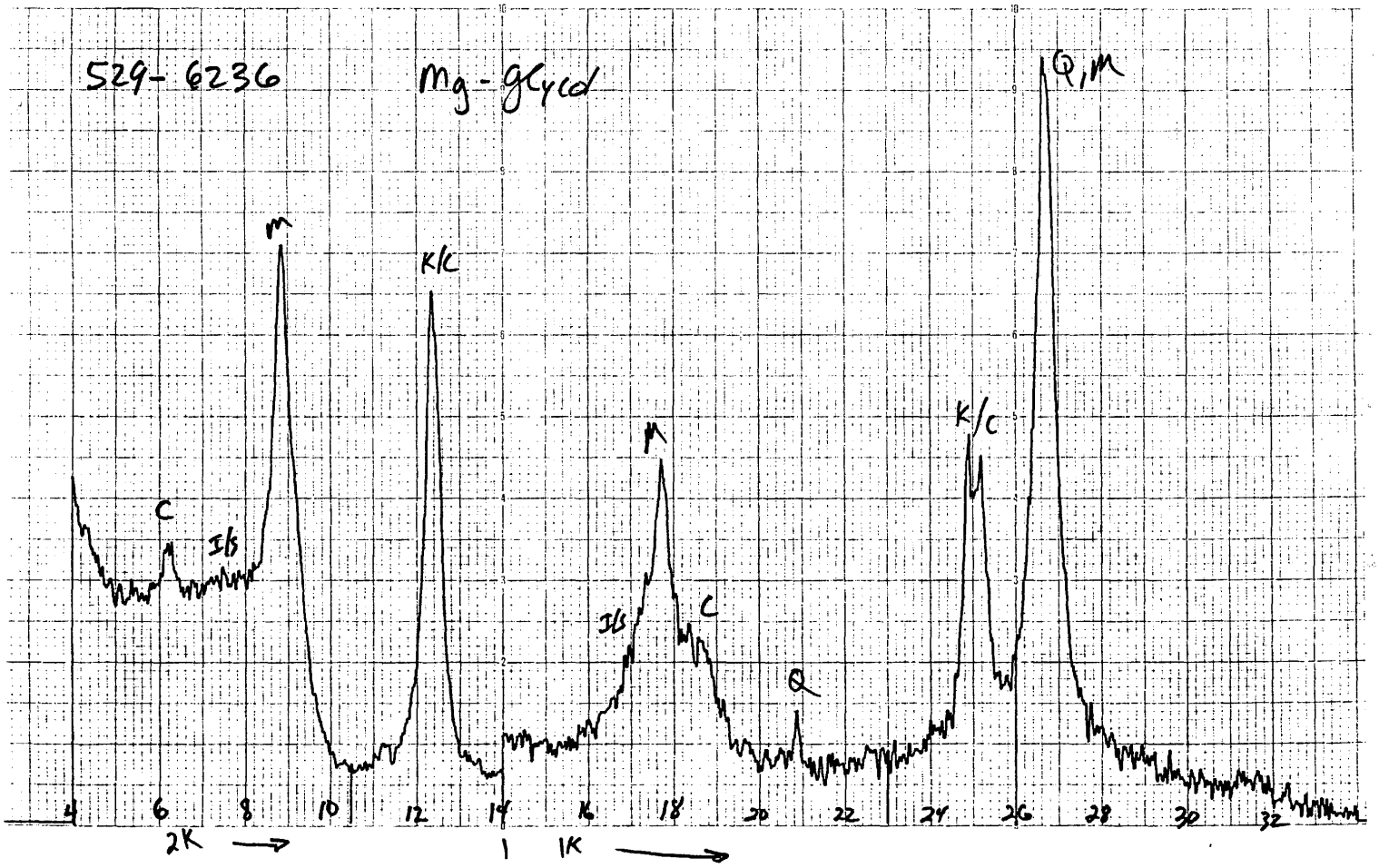

529-5176
Mg-glycol
Q,M,I/S
K/C
M,I/S
C I/S
I/S
M
C
Q
K/C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1
17K

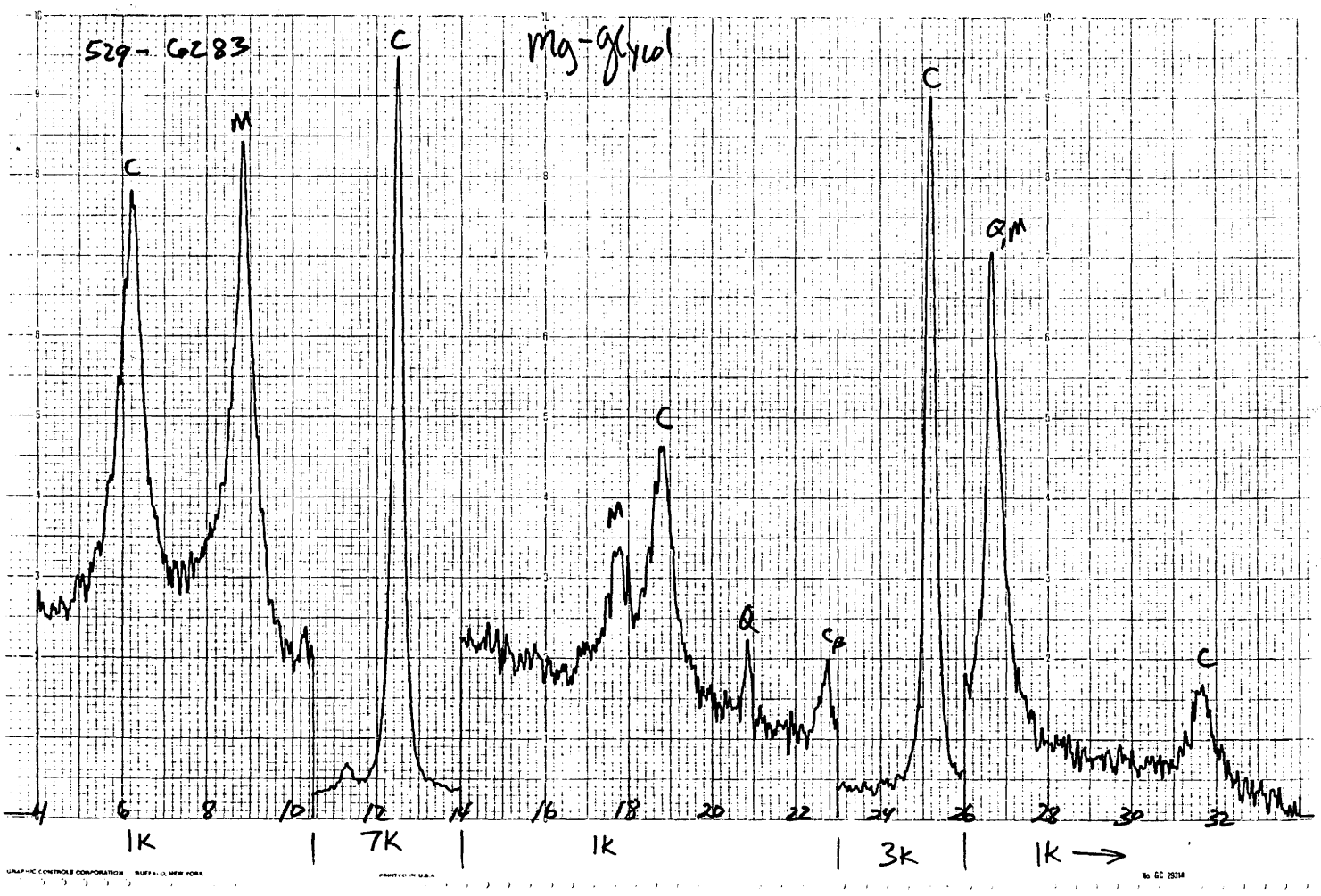


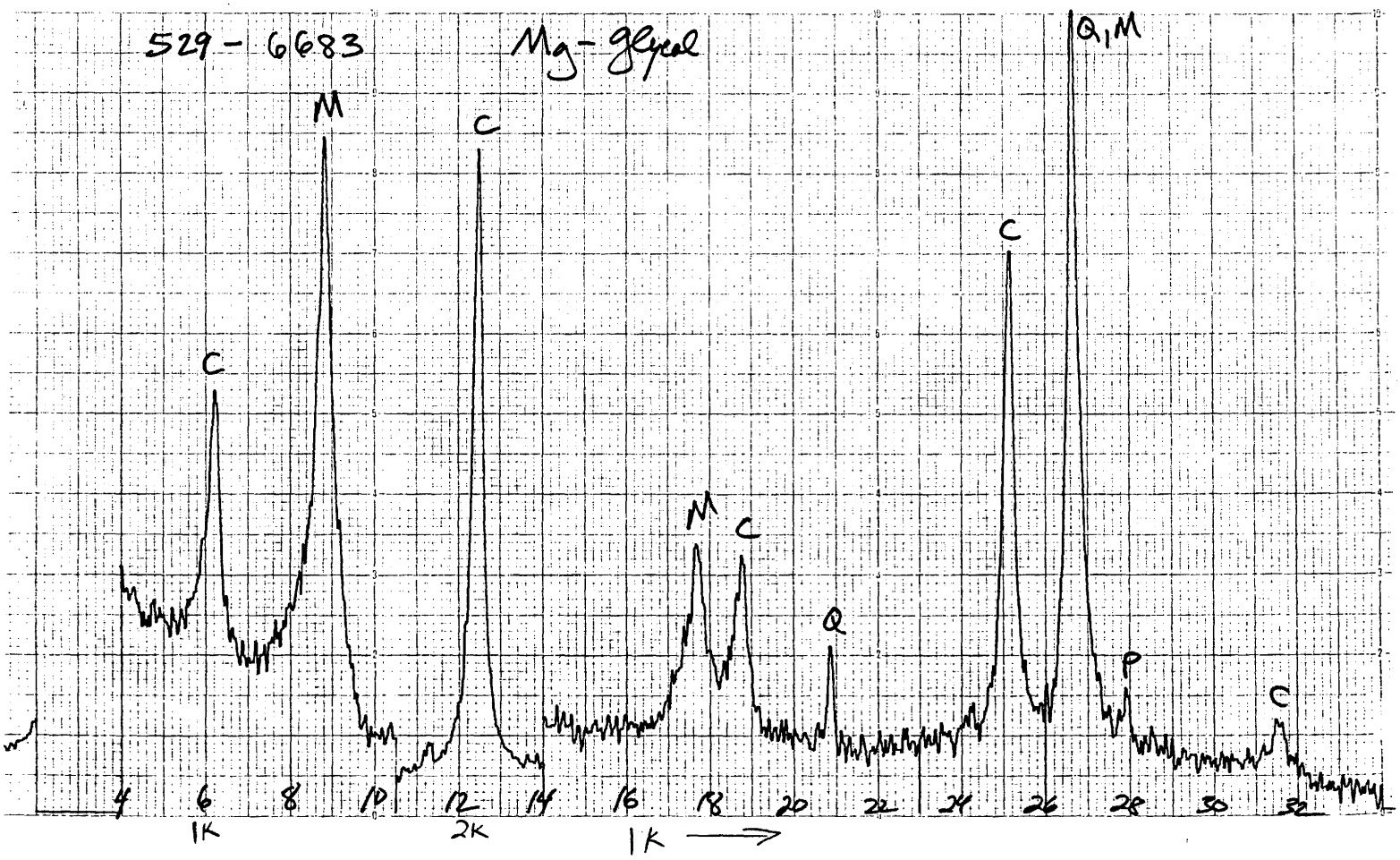
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.



RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK PRINTED IN U.S.A.


529-6236
Mg-glycol
m
K/C
C
I/S
M
I/S
C
Q
K/C
Q,M
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


529-6283
Mg-glycol
C
M
C
C
M
Q
C
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
1K
7K
1K
3K
1K →



RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

12 P

P

NORTH INIGOK NO. 1 (ST. NO. 533)

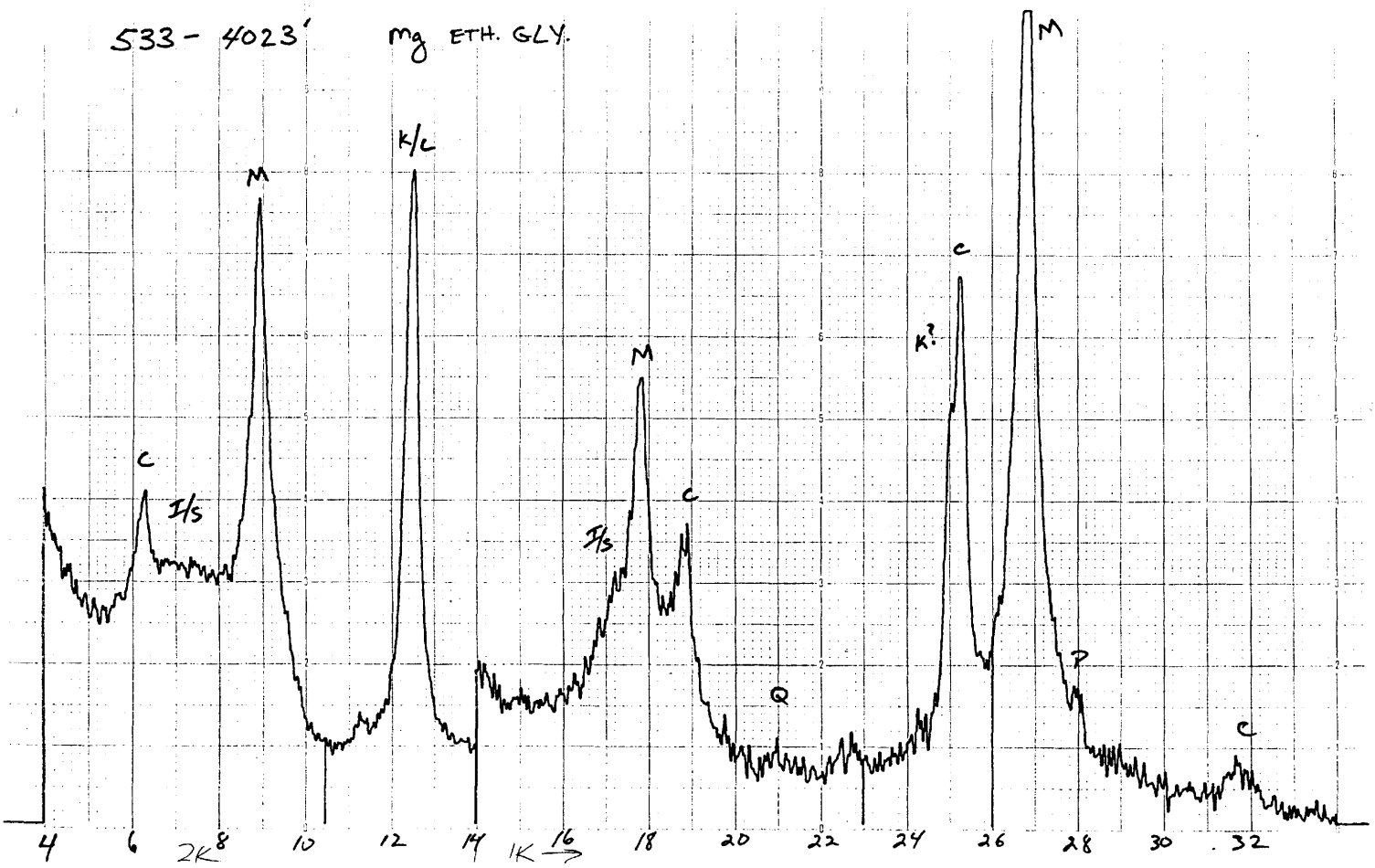
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER
4023	-	MOD	MOD	MOD	MOD	Q1,P
4035	-	MOD	MOD	MOD	MOD	Q1,P
6852	-	MOD	MOD	MAJ	TR	Q,P
6863	-	MOD	MOD	MAJ	TR	Q1,P
7488	-	MOD	MOD	MOD	MOD	Q1
7490	-	MOD	MOD	MOD	MAJ	Q1,P,PY
7500	-	MOD	MOD	MIN	MOD	Q1,P,PY1
8564	-	MOD	MOD	MOD	MOD	Q1,SID2
8573	-	MAJ	MOD	MIN	MAJ	Q1,PY
10160	-	MAJ	MAJ	-	-	Q2,CA2
10168	-	TR	MIN	-	-	Q1,CA2,AP2,PY1

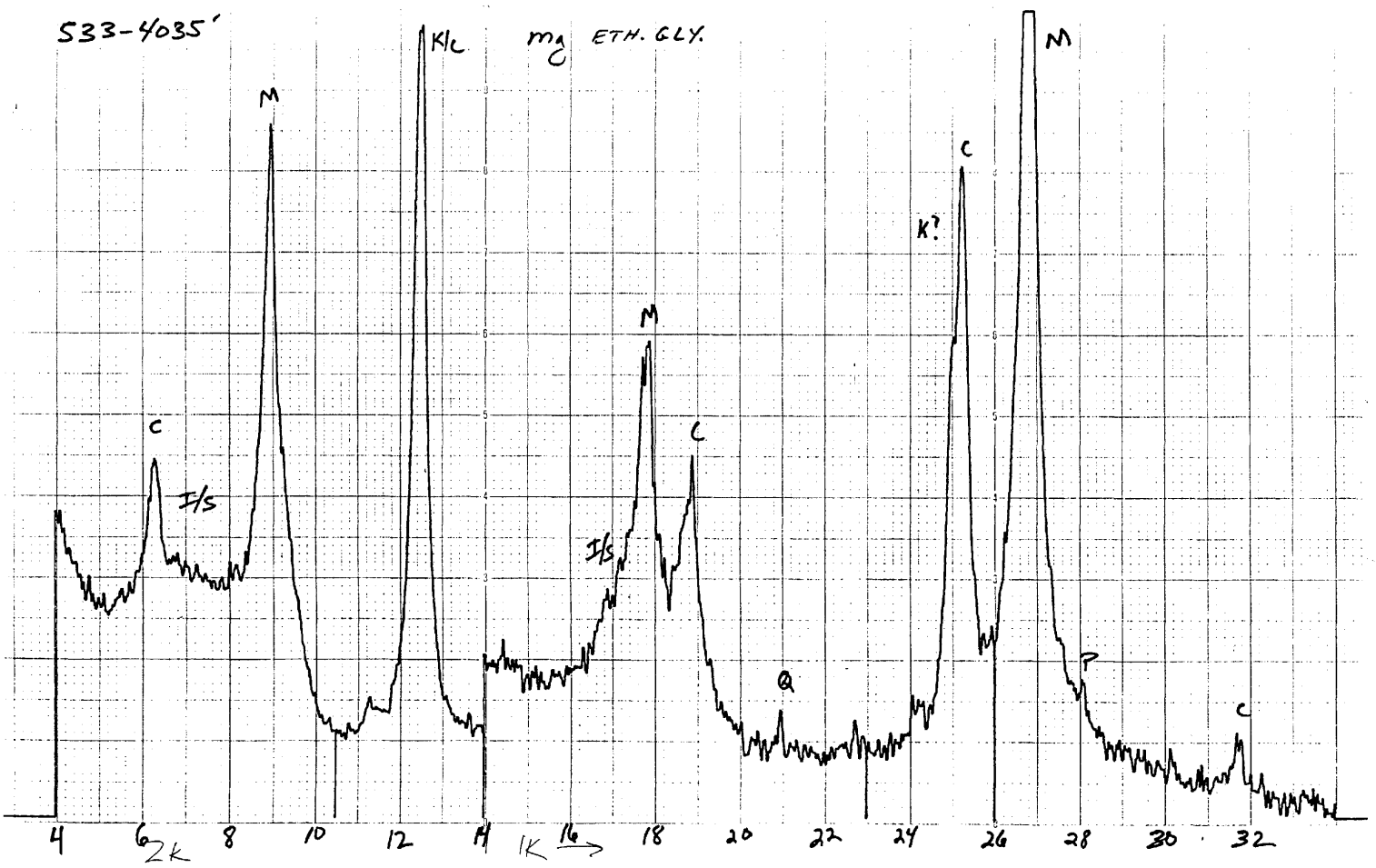
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJOR = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, SID = Siderite, AP = Apatite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, DICK = Dickite. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments. 1 = weak, 2 = moderate, 3 = strong xrd peak

RECEIVED

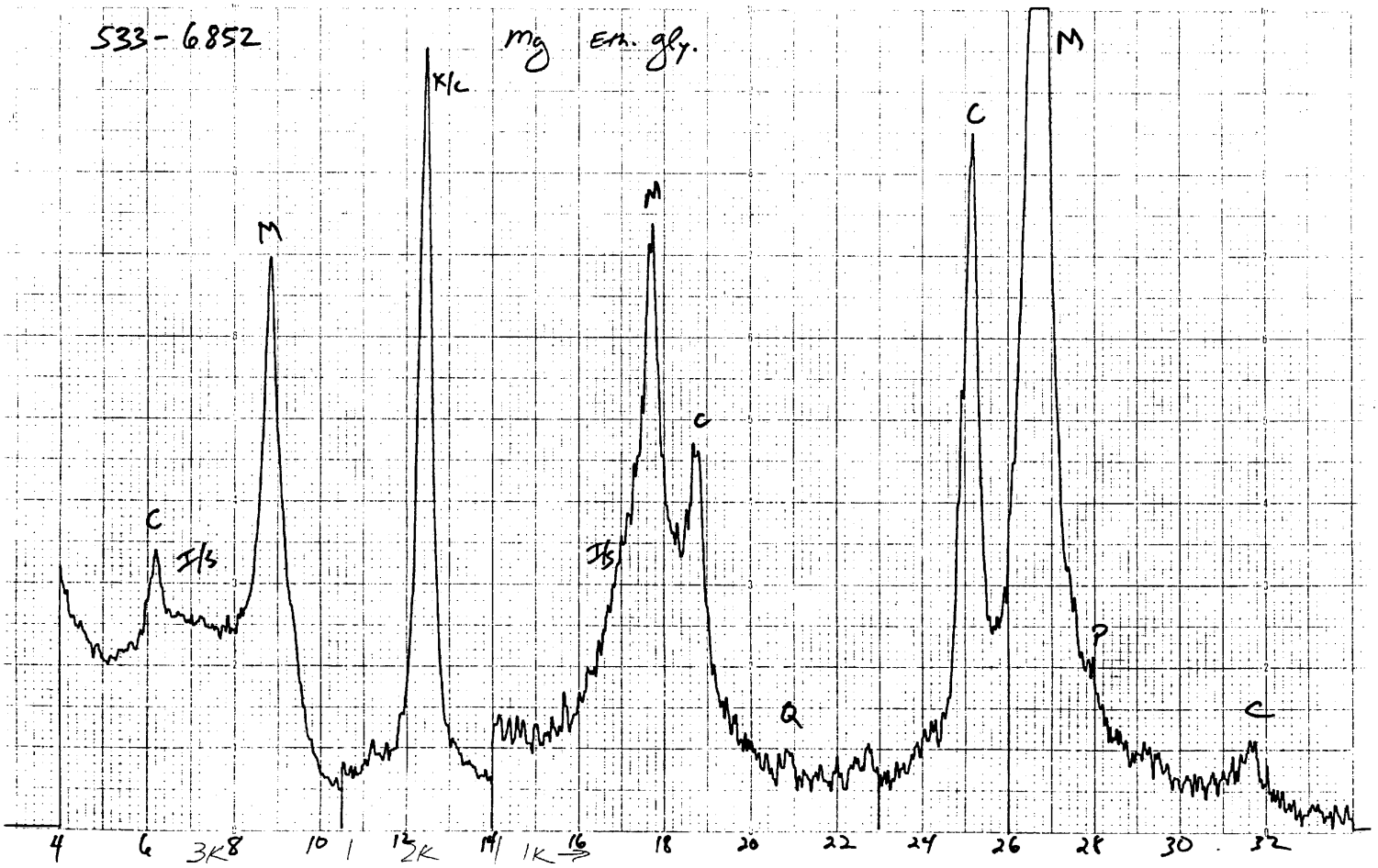
MAR 12 1984

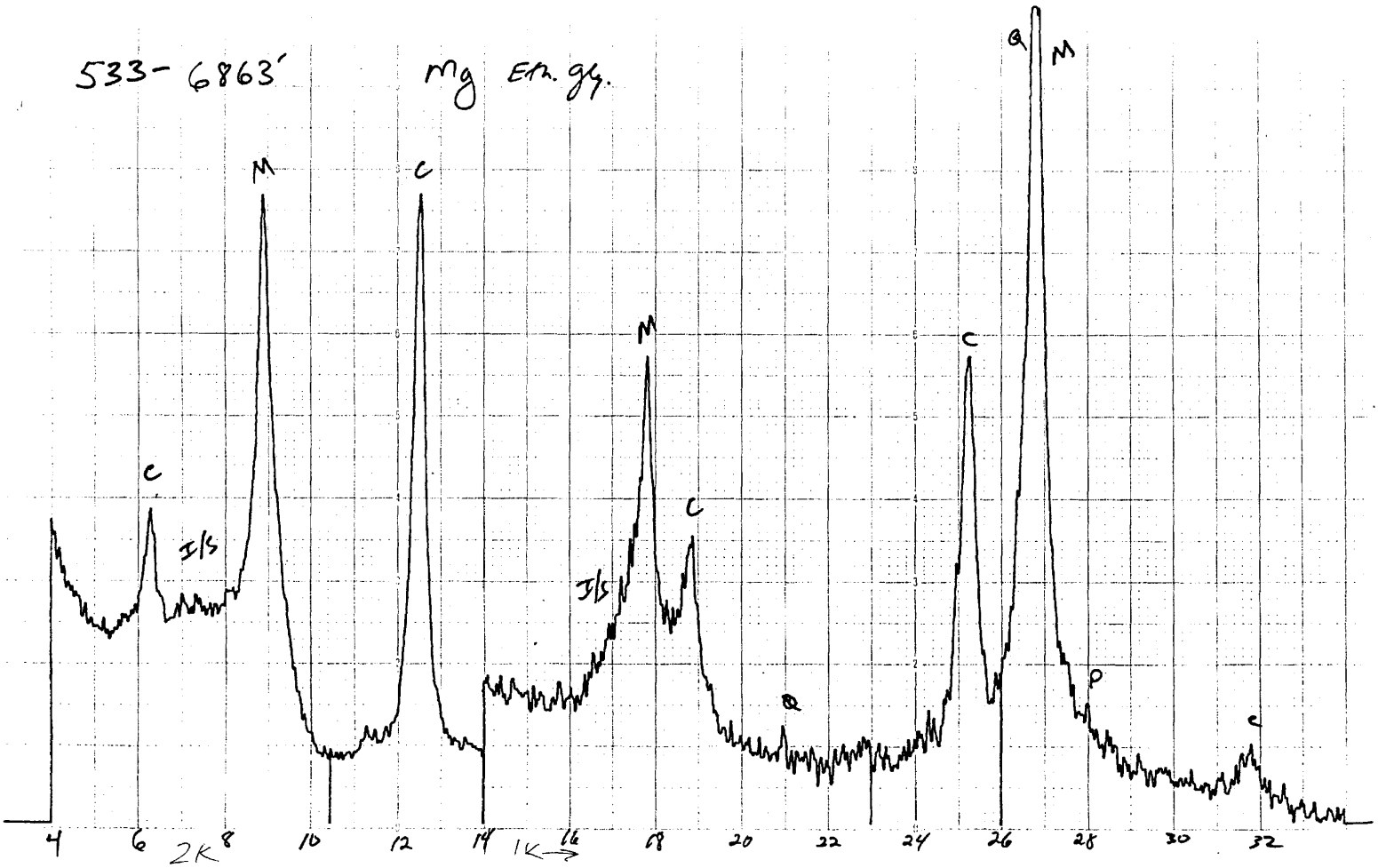
Alaska Oil & Gas Cons. Commission

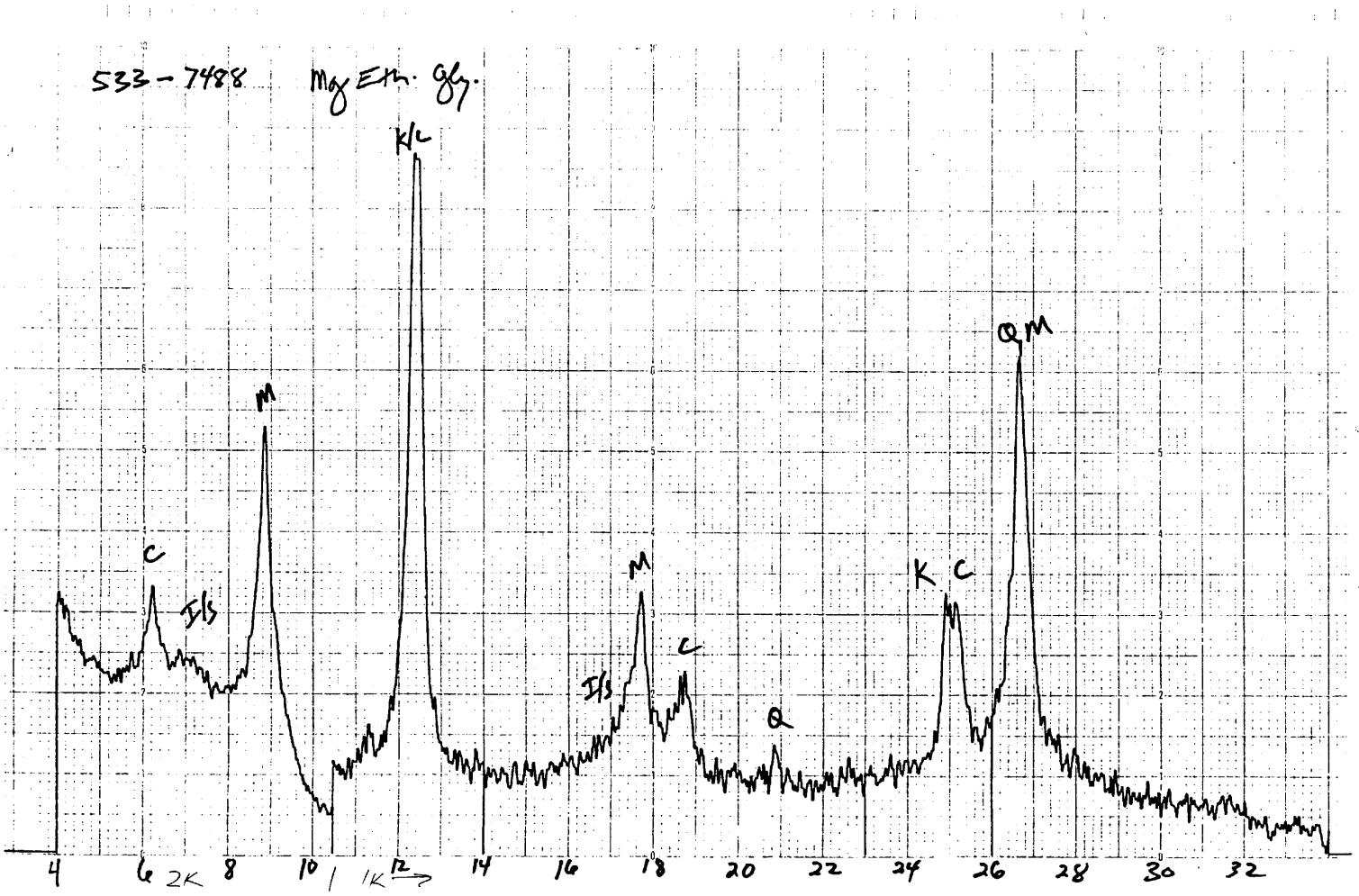

533 - 4023'
Mg ETH. GLY.
M
K/C
M
C
I/S
I/S
C
C
K?
M
Q
P
C
4
6
2K
8
10
12
14
1K
16
18
20
22
24
26
28
30
32

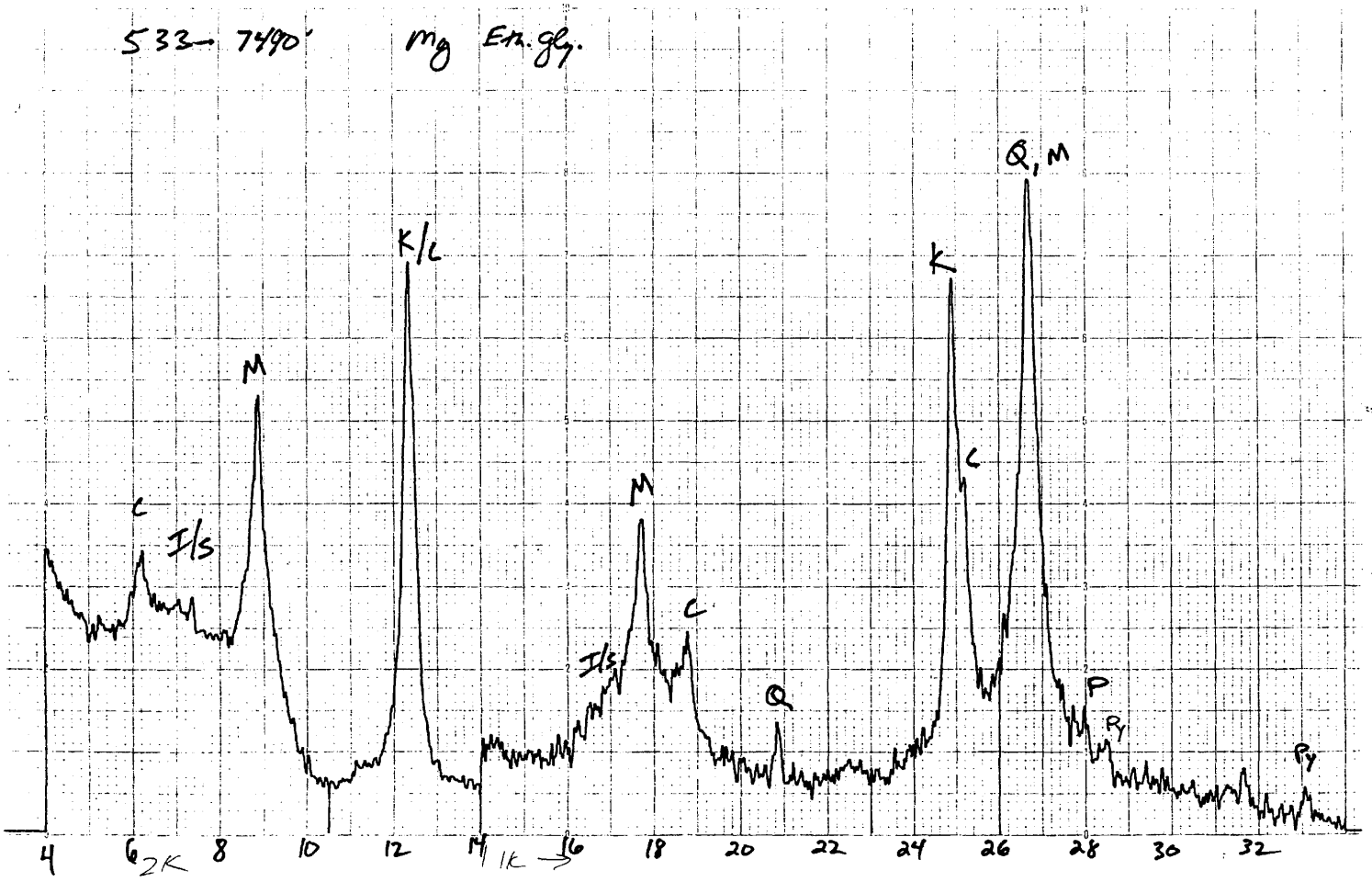


№ GC 25114
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO NEW YORK

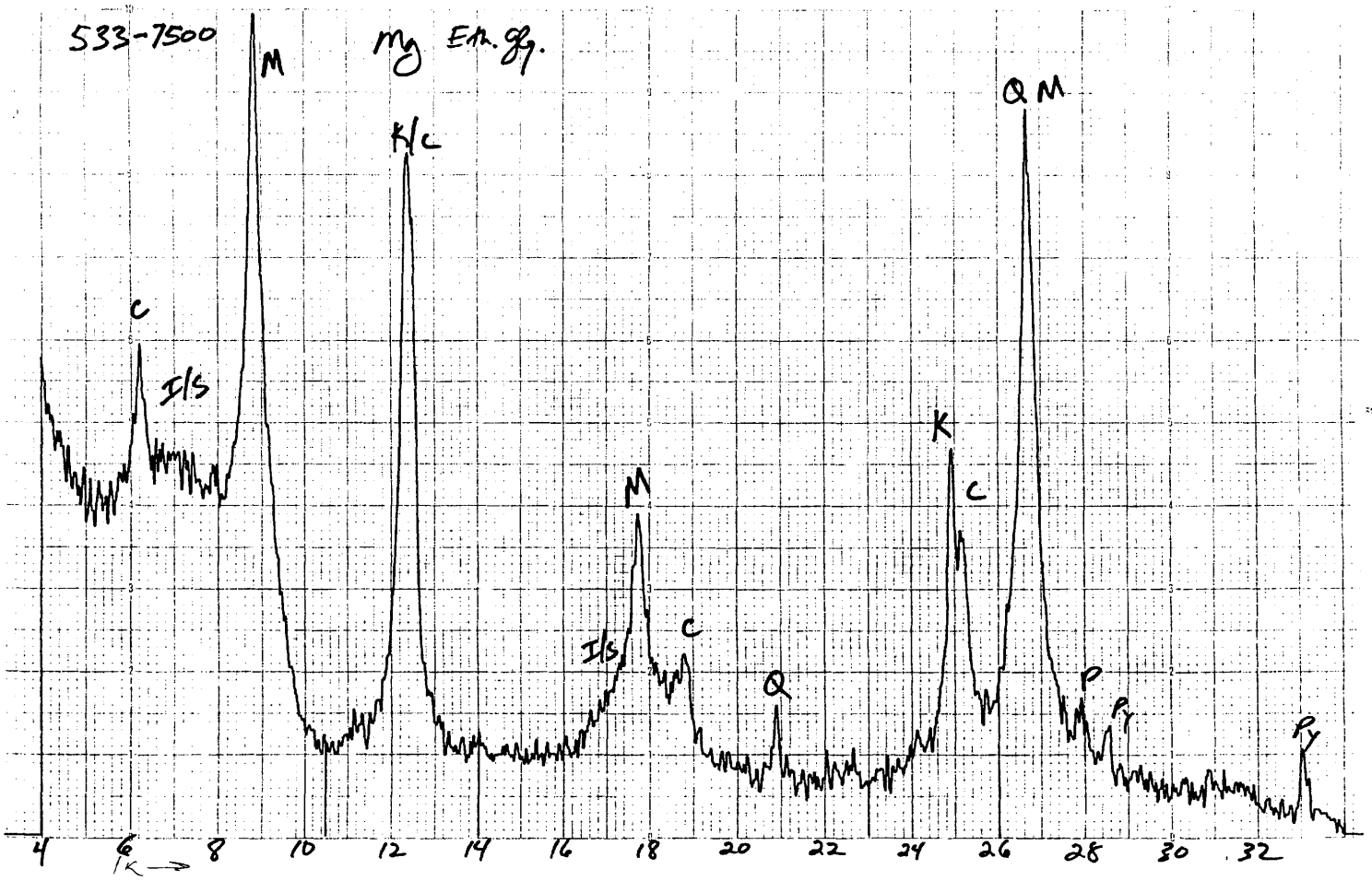

533-6852
mg Em. gly.
K/C
M
C
I/S
M
C
I/S
C
M
Q
P
C
4
6
3K 8
10
12 2K
14 1K
16
18
20
22
24
26
28
30
32


533- 6863'
Mg Eta. gly.
M
C
C
I/S
M
I/S
C
Q
C
Q
M
P
C
4
6
2K
8
10
12
14
1K
16
18
20
22
24
26
28
30
32

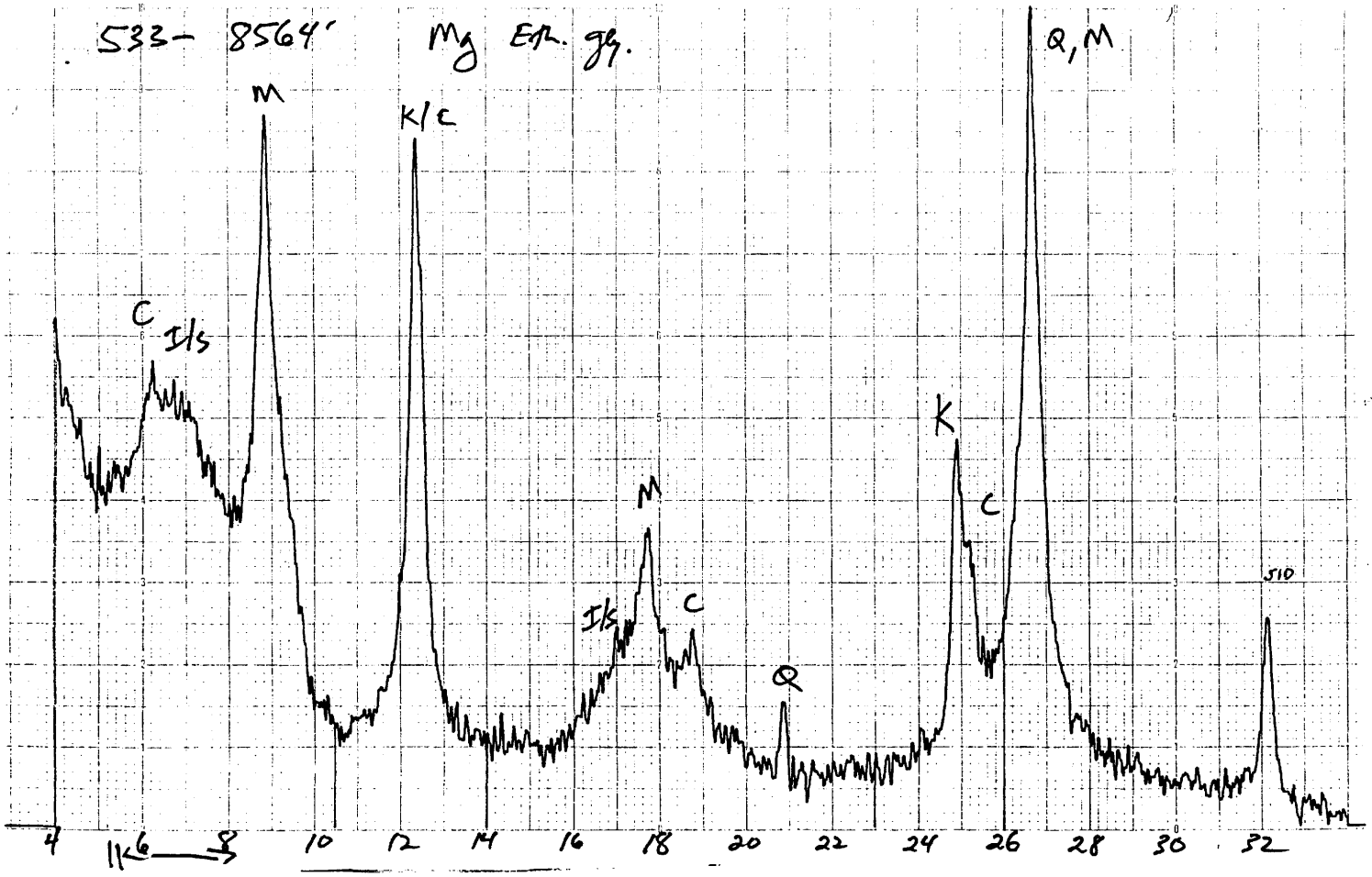

533-7488 Mg Em. Gly.
K/C
M
C
I/S
M
C
I/S
Q
K C
QM
4
6
2K
8
10
1
1K
12
14
16
18
20
22
24
26
28
30
32

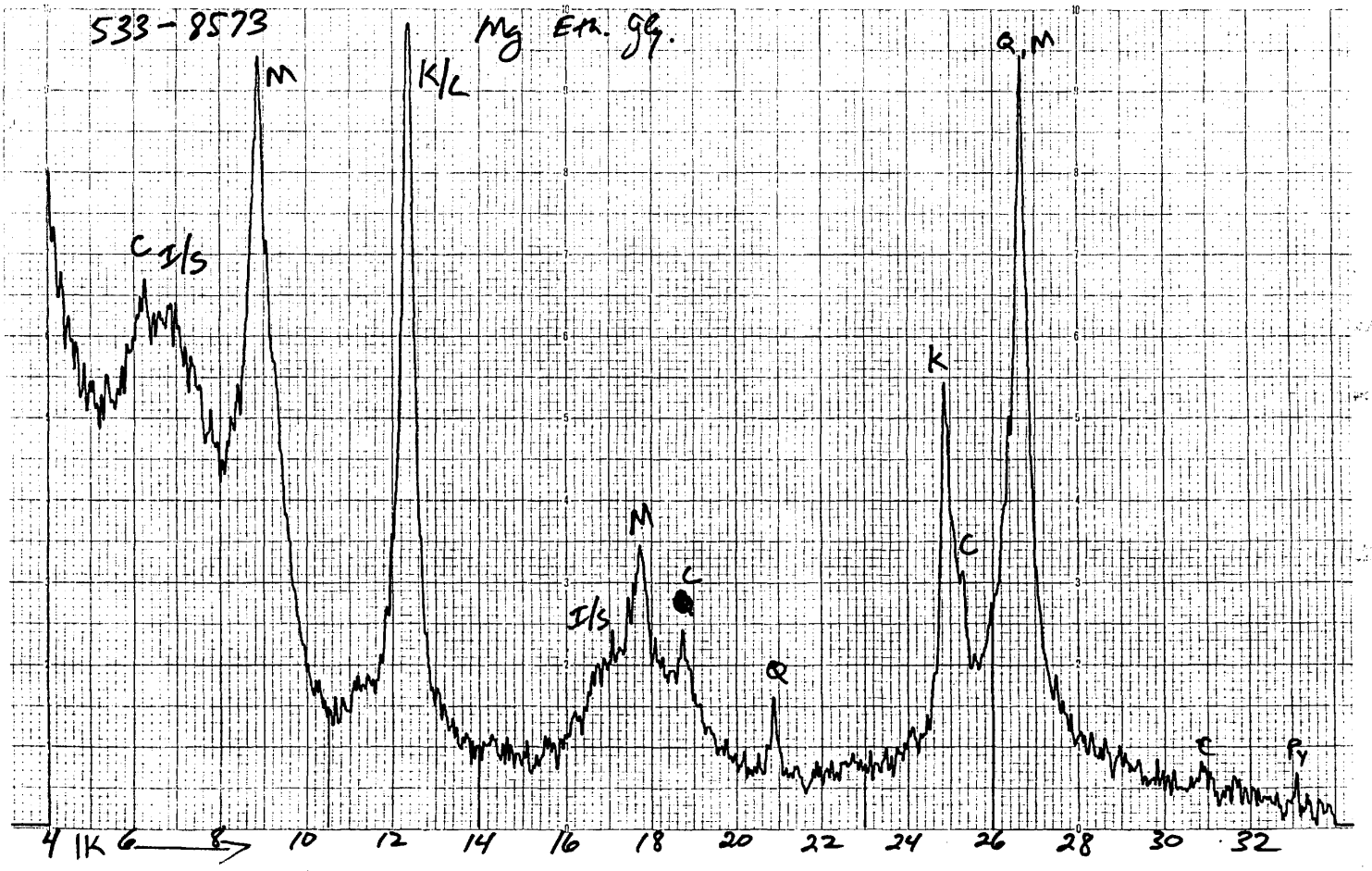


No. GC 25314
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

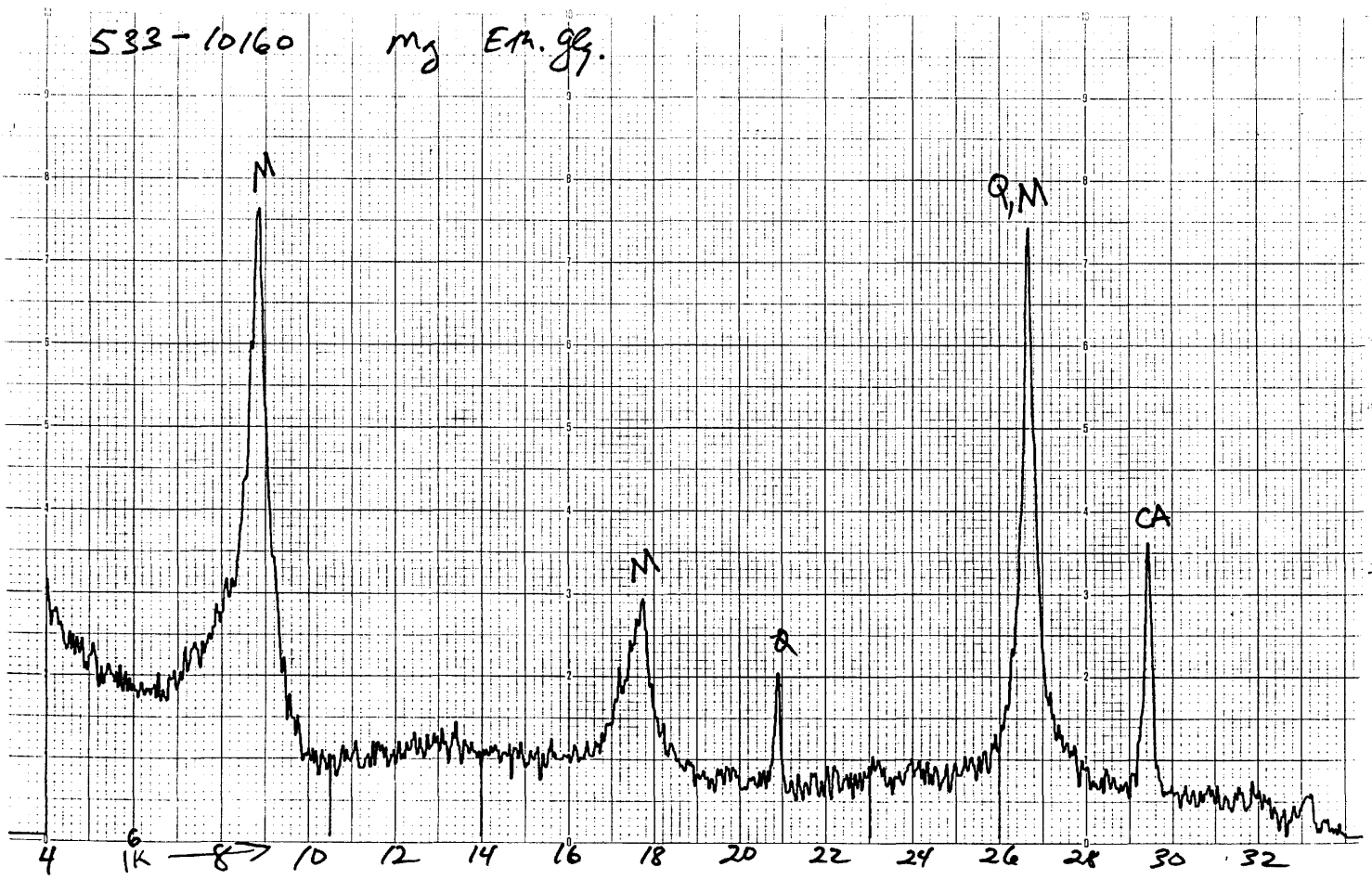


No. GC 29314 GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

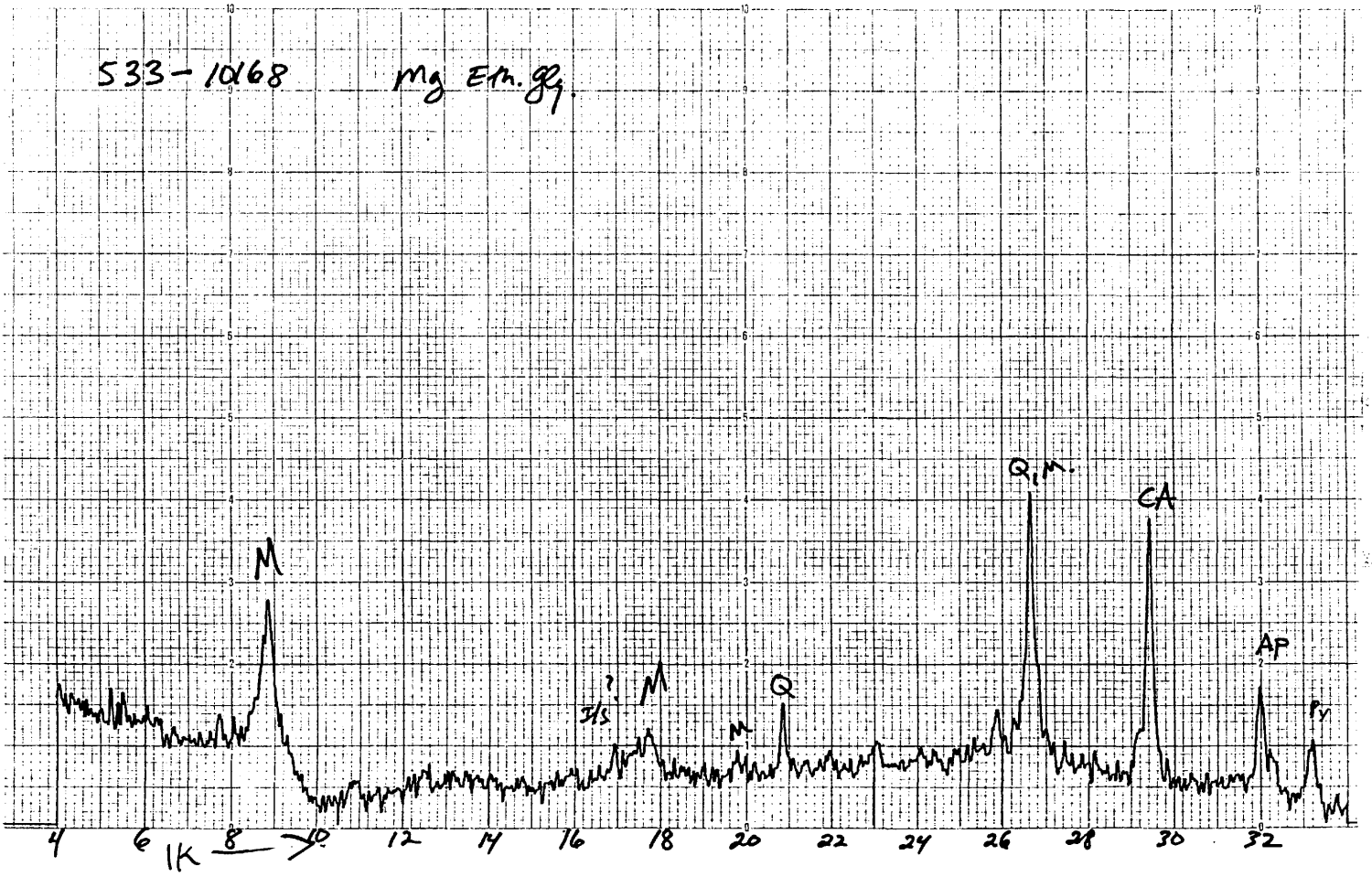

533- 8564'
Mg Eth. gly.
M
K/C
C
I/S
Q,M
K
C
M
I/S
C
Q
510
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32



GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A. No. GC 29314



GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.
No GC 29314



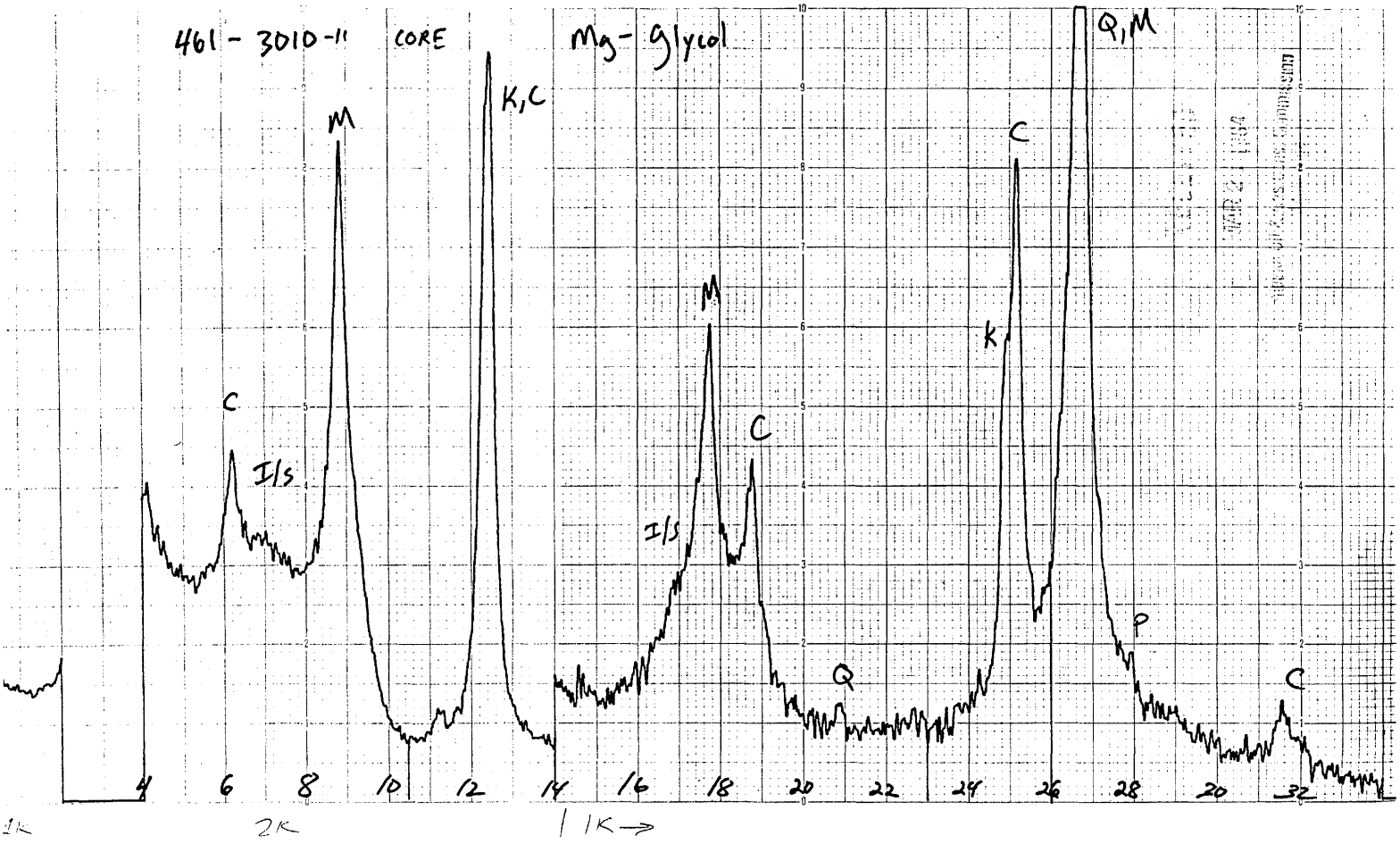
SEMICHRONIC CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK PRINTED IN U.S.A.

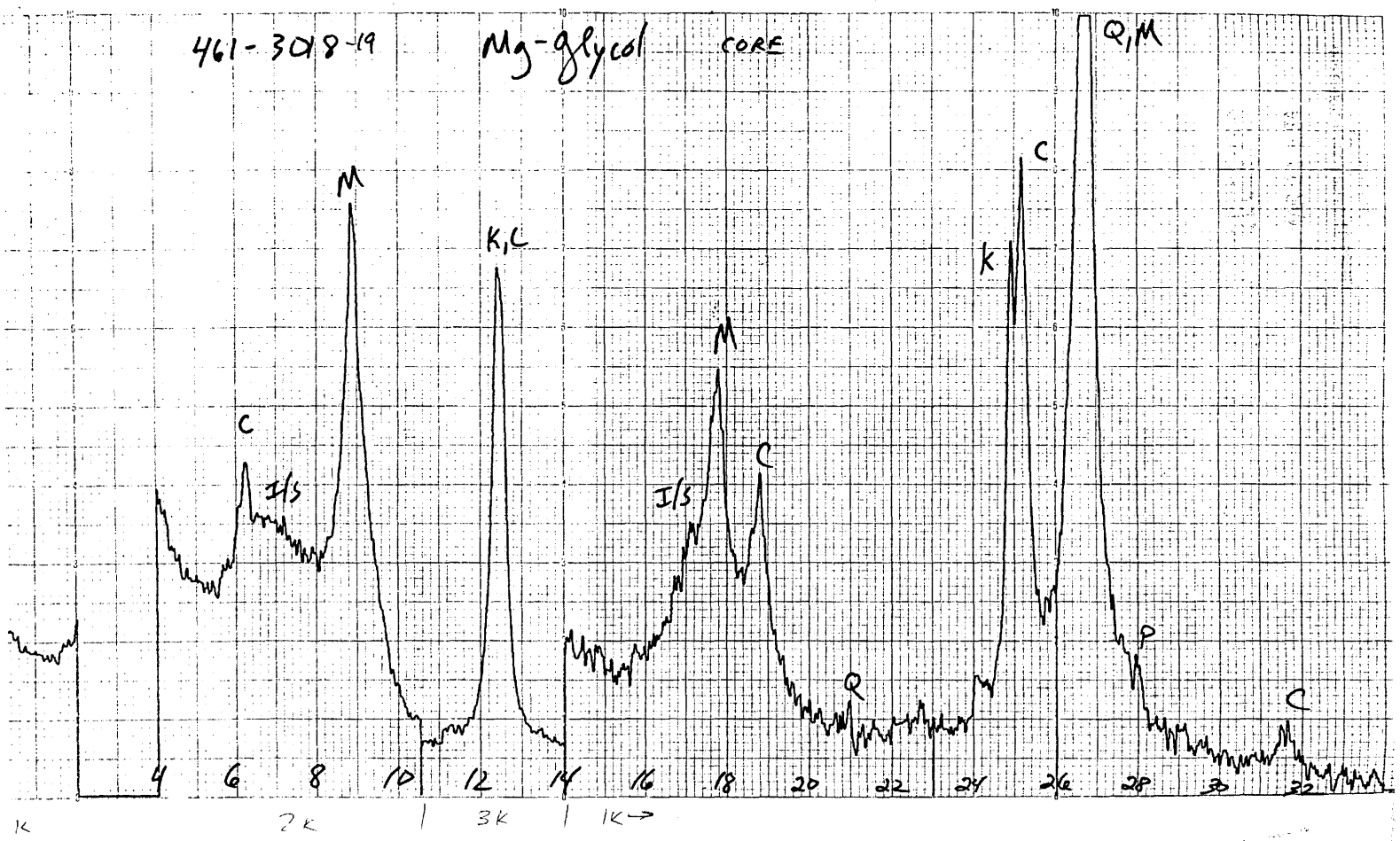
South Meade No. 1 (St. No. 461)

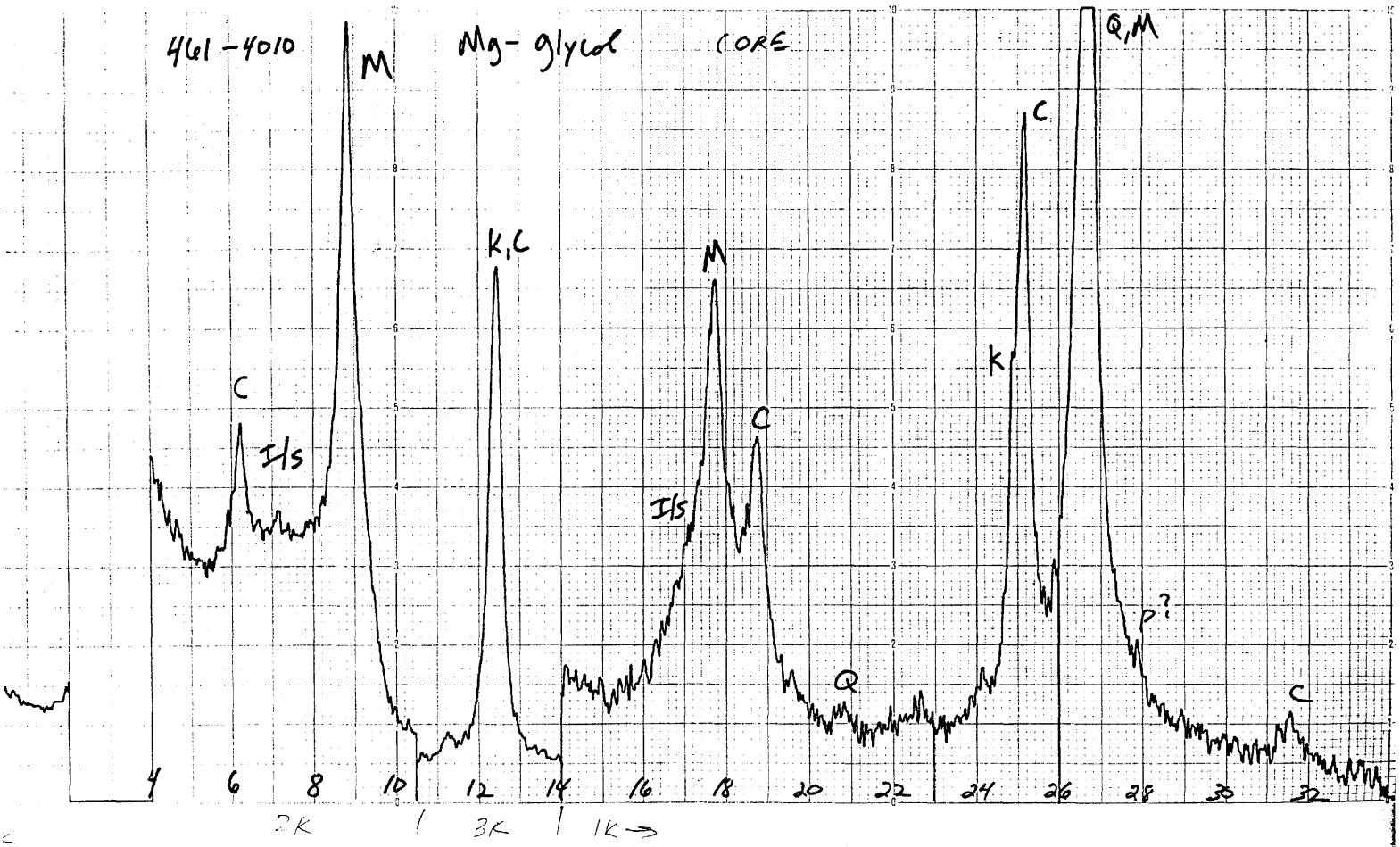
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
3010	-	MOD	MOD	MOJ	MOD	Q,P
3018	-	MOD	MOD	MOD	MOD	Q1,P
4010	-	MOD	MOD	MAJ	MOD	Q,P
4950	-	MOD	MOD	MAJ	MOD	Q,P
4959	-	MOD	MOD	MAJ	MOD	Q,P
5992	-	MOD	MOD	MAJ	_	Q2,P1
6001	-	MOD	MOD	MAJ	-	Q1,P1
6230-40	-	MOD	MOD	MAJ	MIN	Q,CUTTINGS
6430-40	-	MIN	MAJ	MAJ	MIN	Q1,P,CUTTINGS
6600-10	-	MAJ	MOD	MOD	MOD	Q,CUTTINGS
6800-10	-	MOD	MOD	MOD	MOD	Q1,CUTTINGS
7190-200	-	MAJ	MOD	MOD	MOD	Q1,CUTTINGS
7501	-	MOD	MOD	MAJ	-	Q1
9046	-	MOD	MOD	MAJ	-	Q1,CA1
9058	-	MAJ	MOD	MAJ	-	Q1

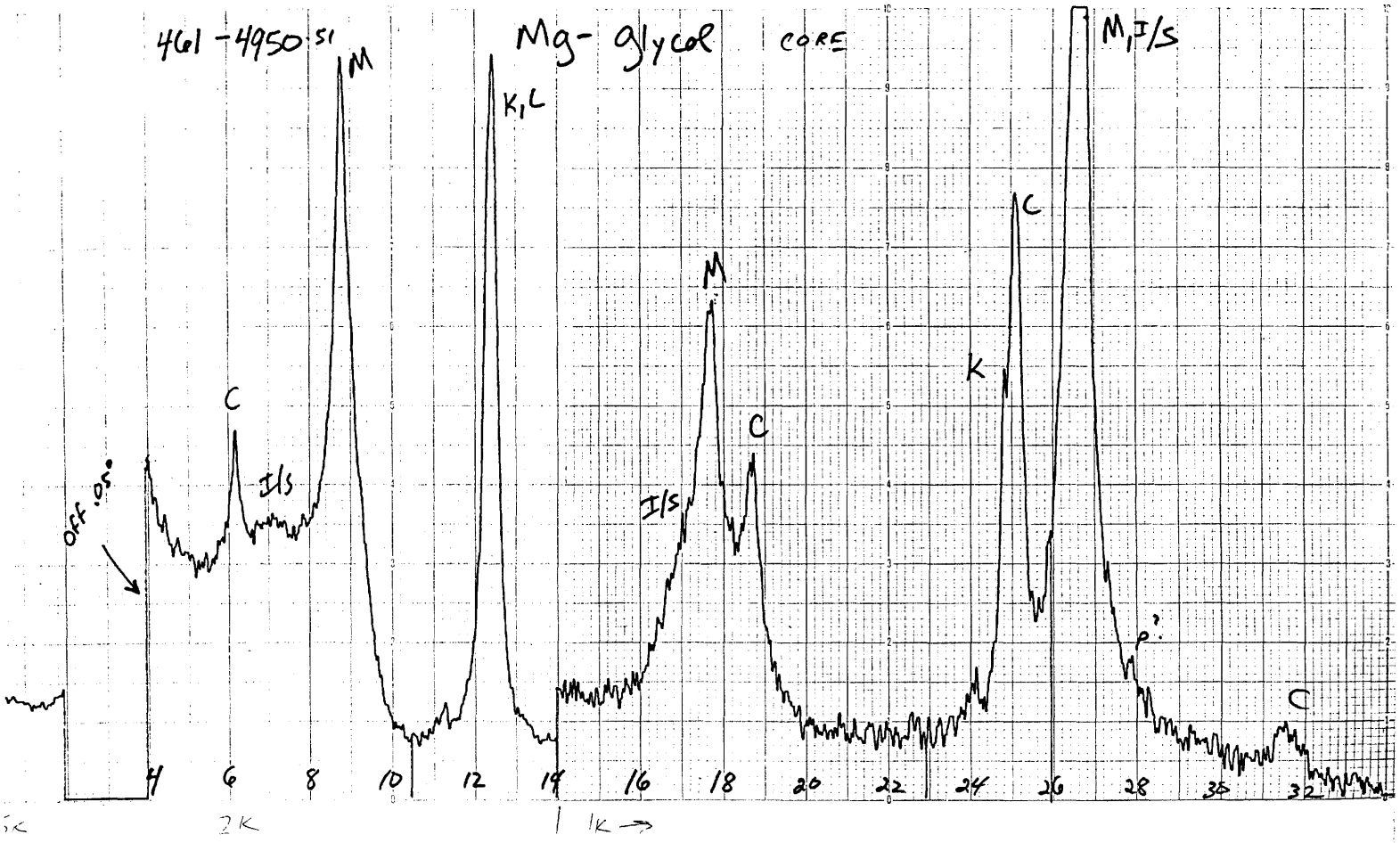
Definitions: TRACE = <3%, MIN = 3 - 12%, MOD = 13 - 35%, MAJ = >35%. Other mineral abbreviations: Q = Quartz, P = Plagioclase, AP = Apatite, HC = Heulandite/Clinoptilolite, CA = Calcite, F = Feldspar, PY = Pyrite, BNSH = Brownish gray shale, BKSH = Black carbonaceous shale. Analyses based on <2-um Mg-saturated clays using air dry and glycol treatments.

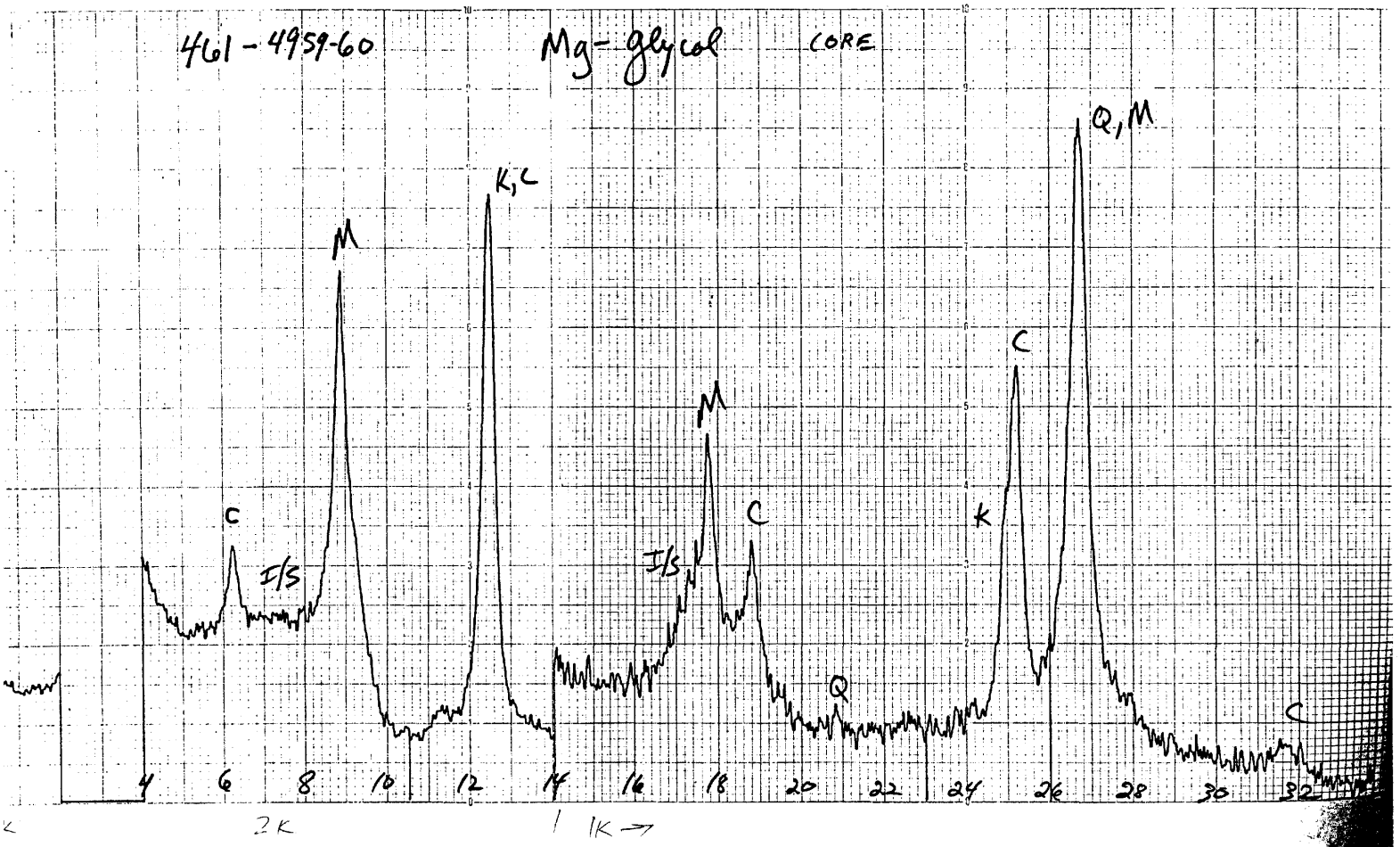
RECEIVED
MAR 21 1984
Alaska Oil & Gas Cons. Commission
Anchorage

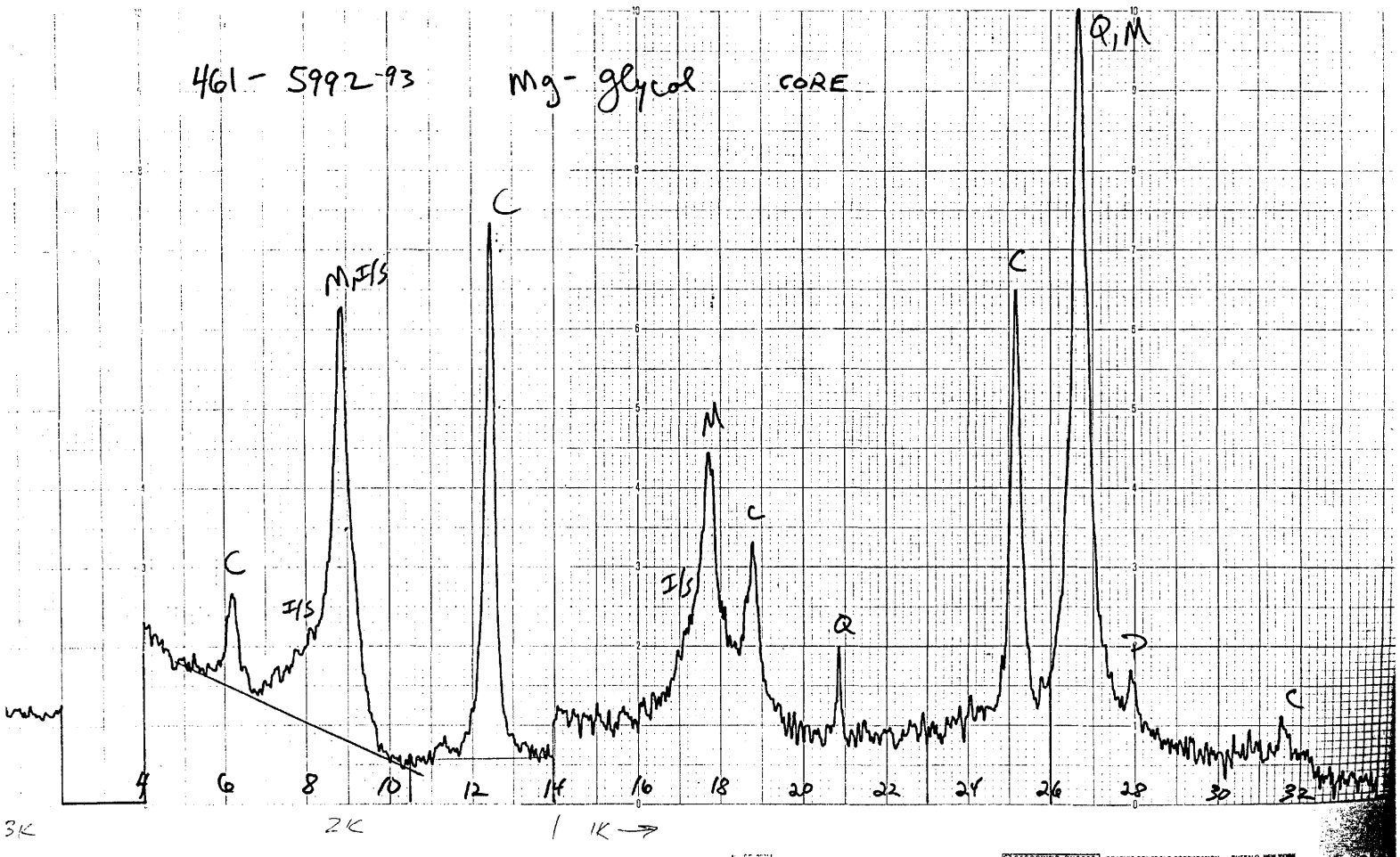

461 - 3010-11 CORE
Mg- Glycol
M
K,C
C
I/S
M
C
I/S
Q
K
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
20
32
1K
2K
1K →

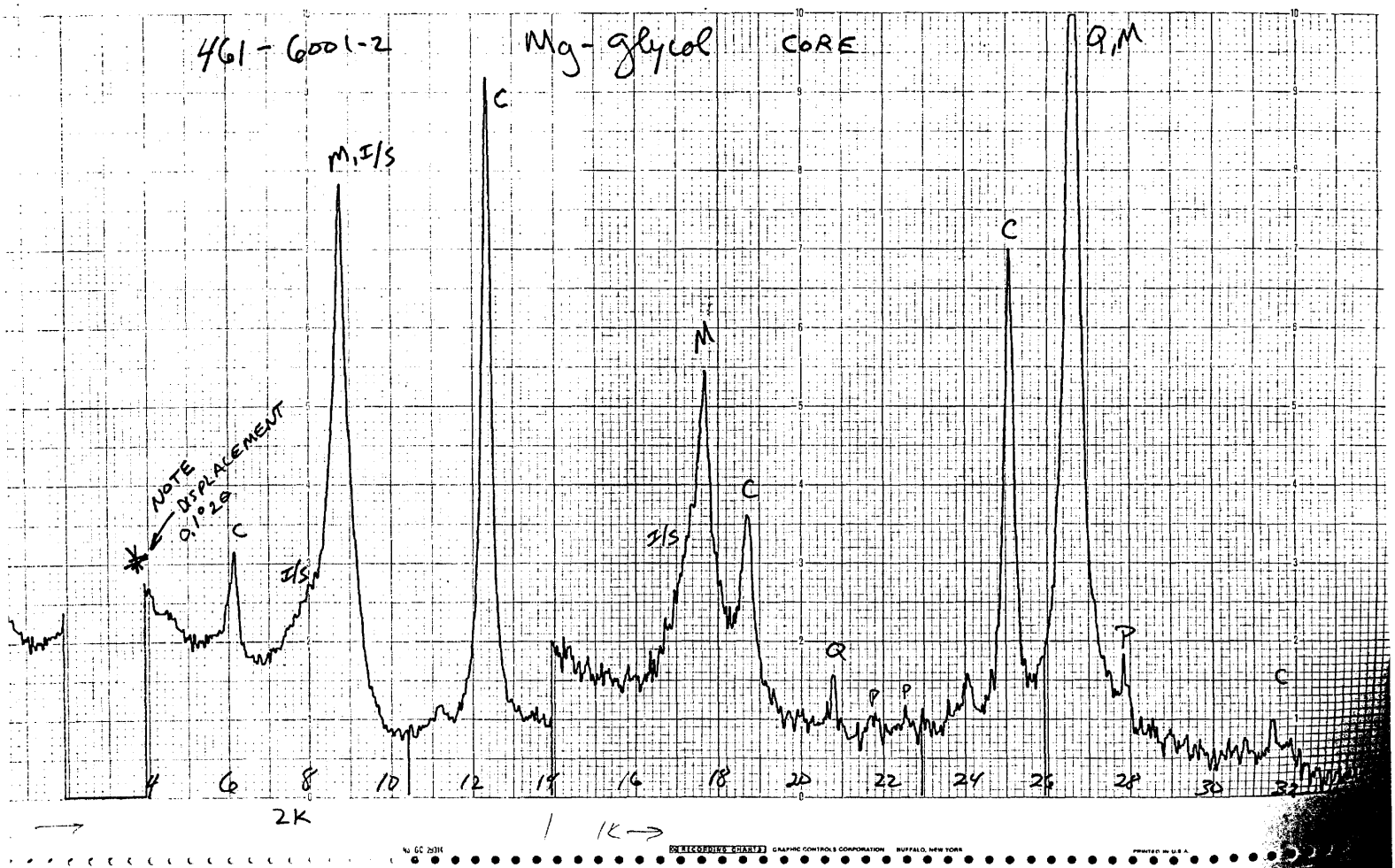

461-3018-19
Mg-glycol
CORE
M
K,C
C
I/S
M
I/S
C
Q
k
C
Q,M
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
K
2K
3K
1K→

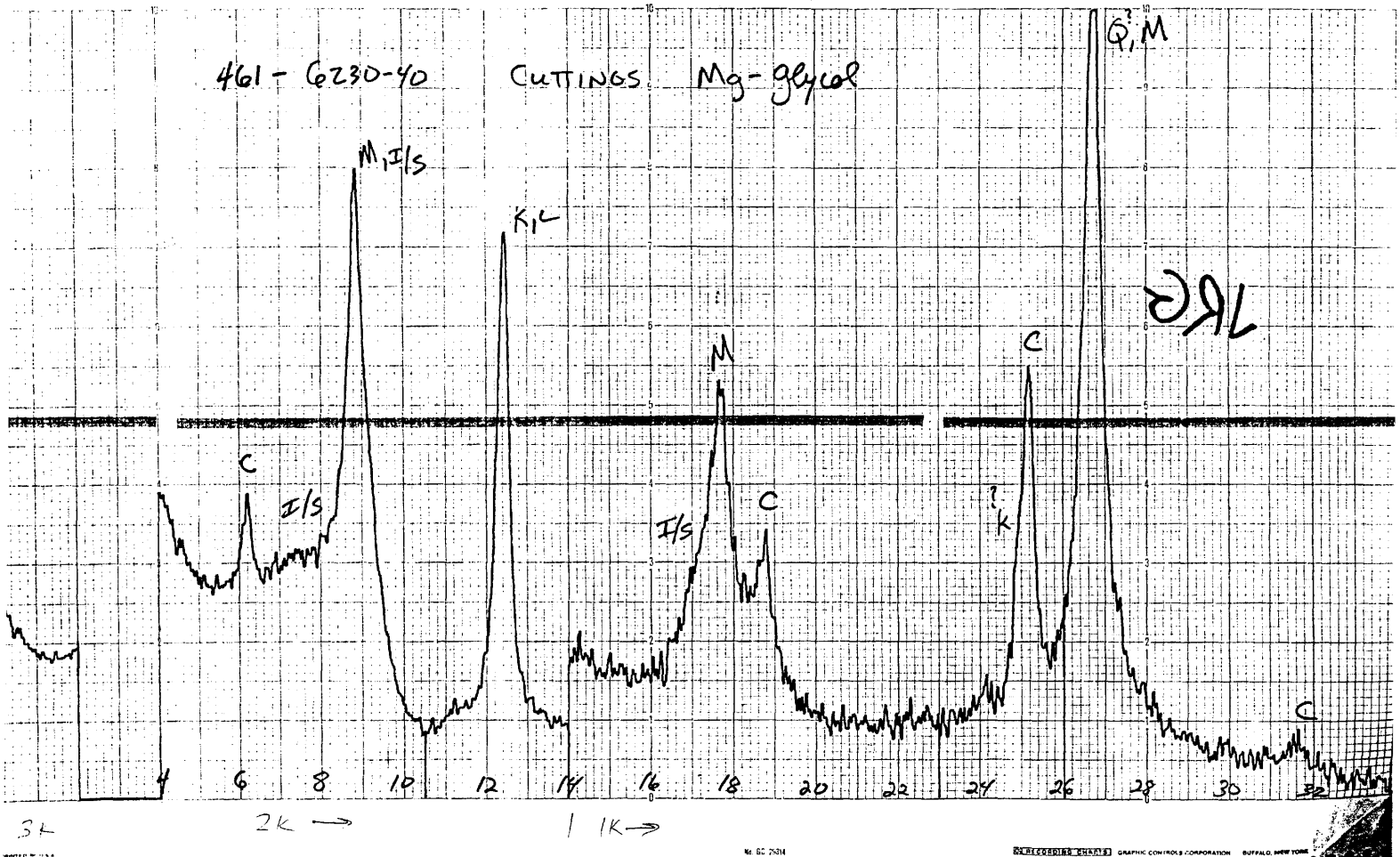

461-4010
Mg-glycol
CORE
M
K,C
M
C
I/S
I/S
C
K
C
Q,M
P?
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
3K
1K

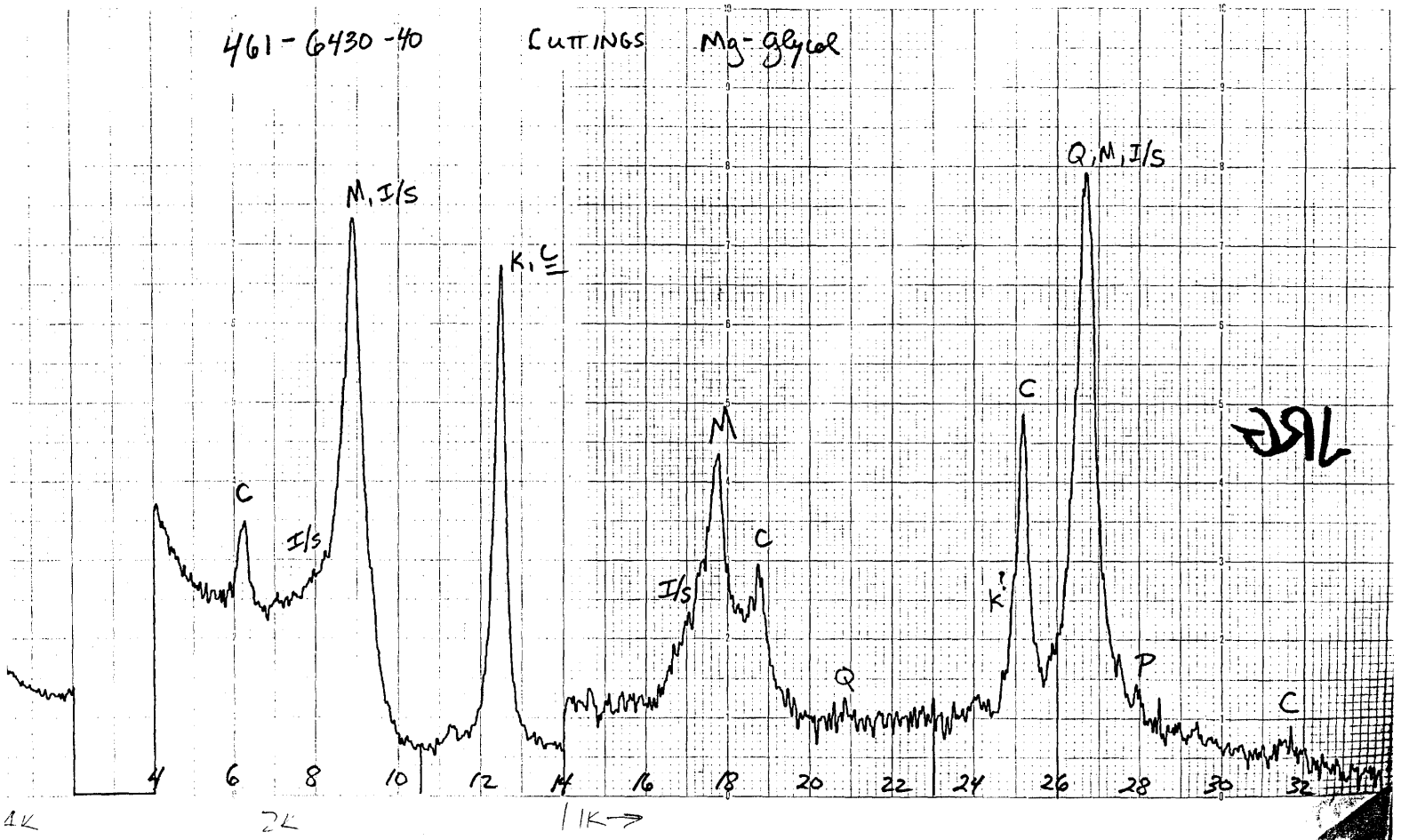

461 - 4950 51
Mg- glycol CORE
M
K,L
M,I/S
C
I/S
Off .05°
M
C
I/S
K
C
P?
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K →

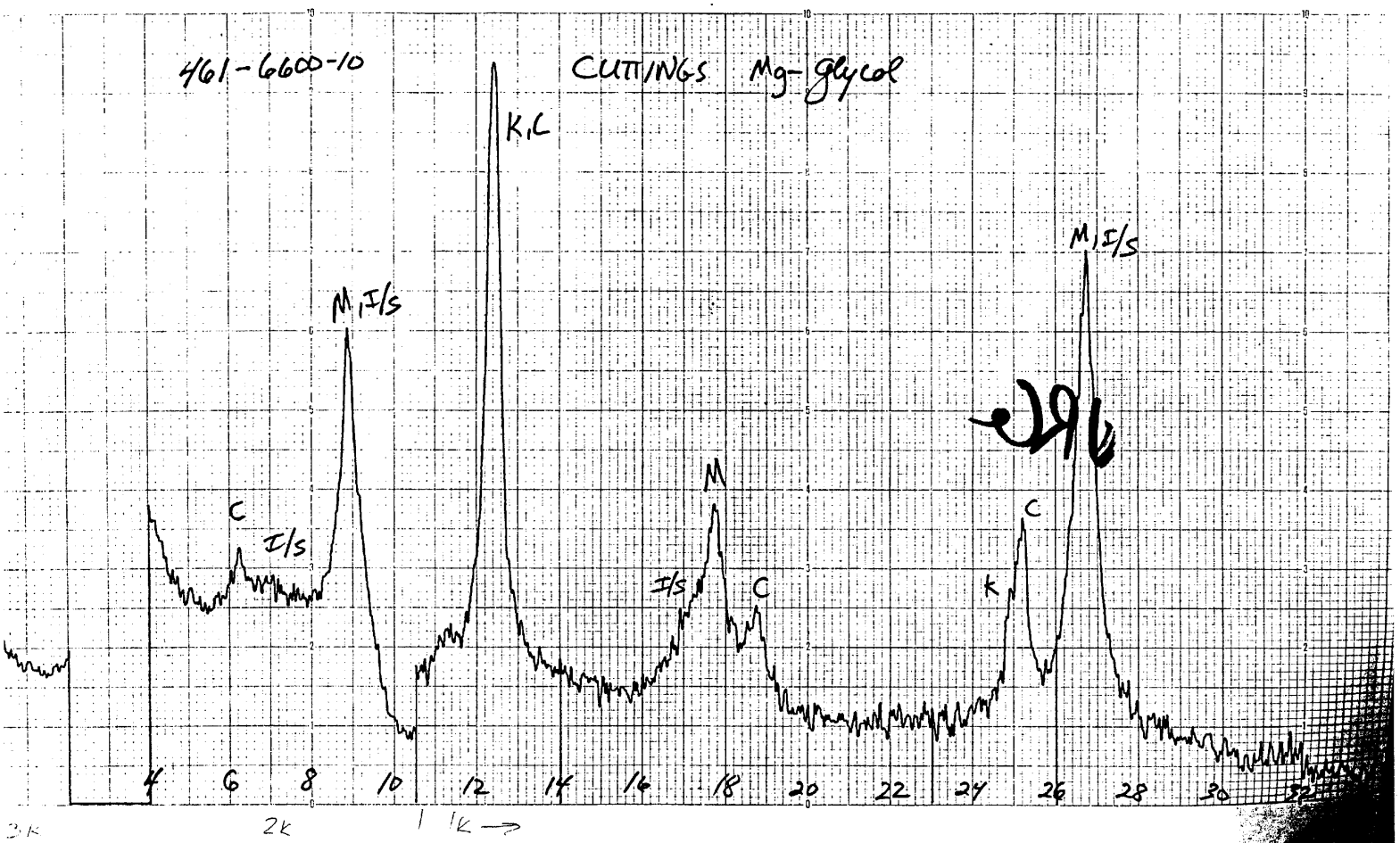

461-4959-60
Mg-glycol
CORE
C
I/S
M
K,C
M
I/S
C
Q
K
C
Q,M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

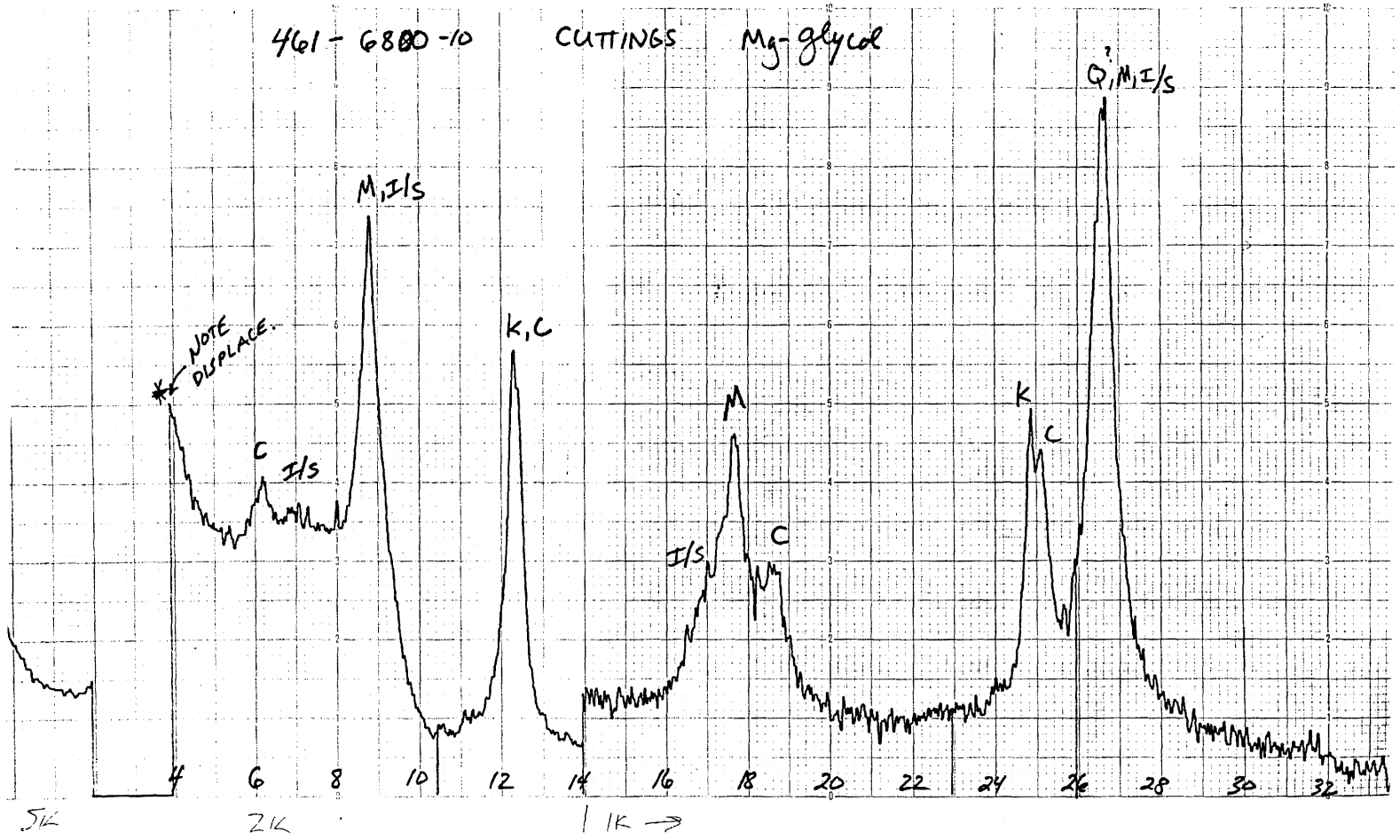

461 - 5992-93
Mg- glycol
CORE
C
M,I/S
C
I/S
M
C
I/S
Q
C
Q,M
D
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
2K
1K

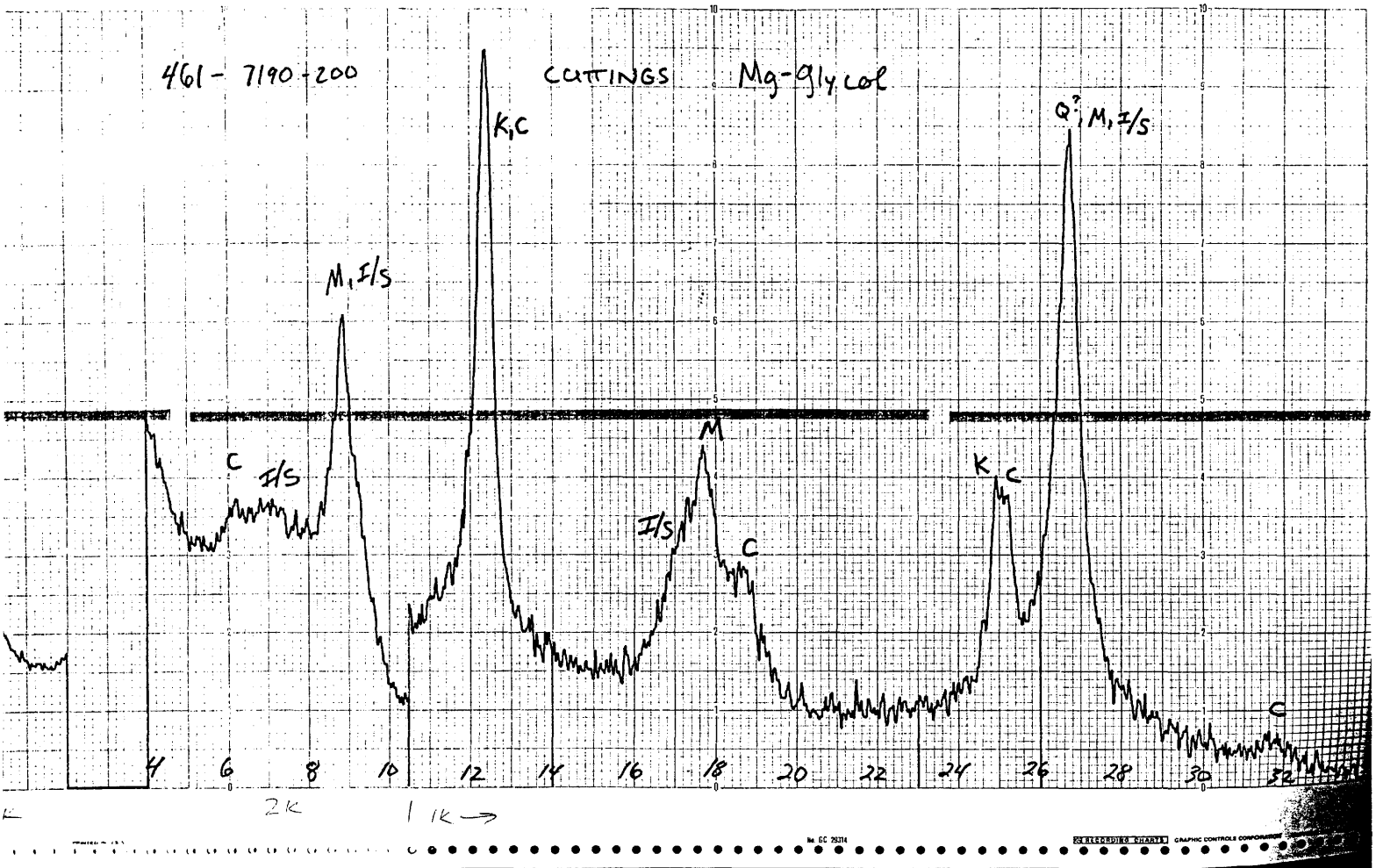

461 - 6001-2
Mg-glycol CORE
Q,M
C
M,I/S
C
M
C
NOTE DISPLACEMENT 0.102θ
C
I/S
I/S
Q
P
P
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K

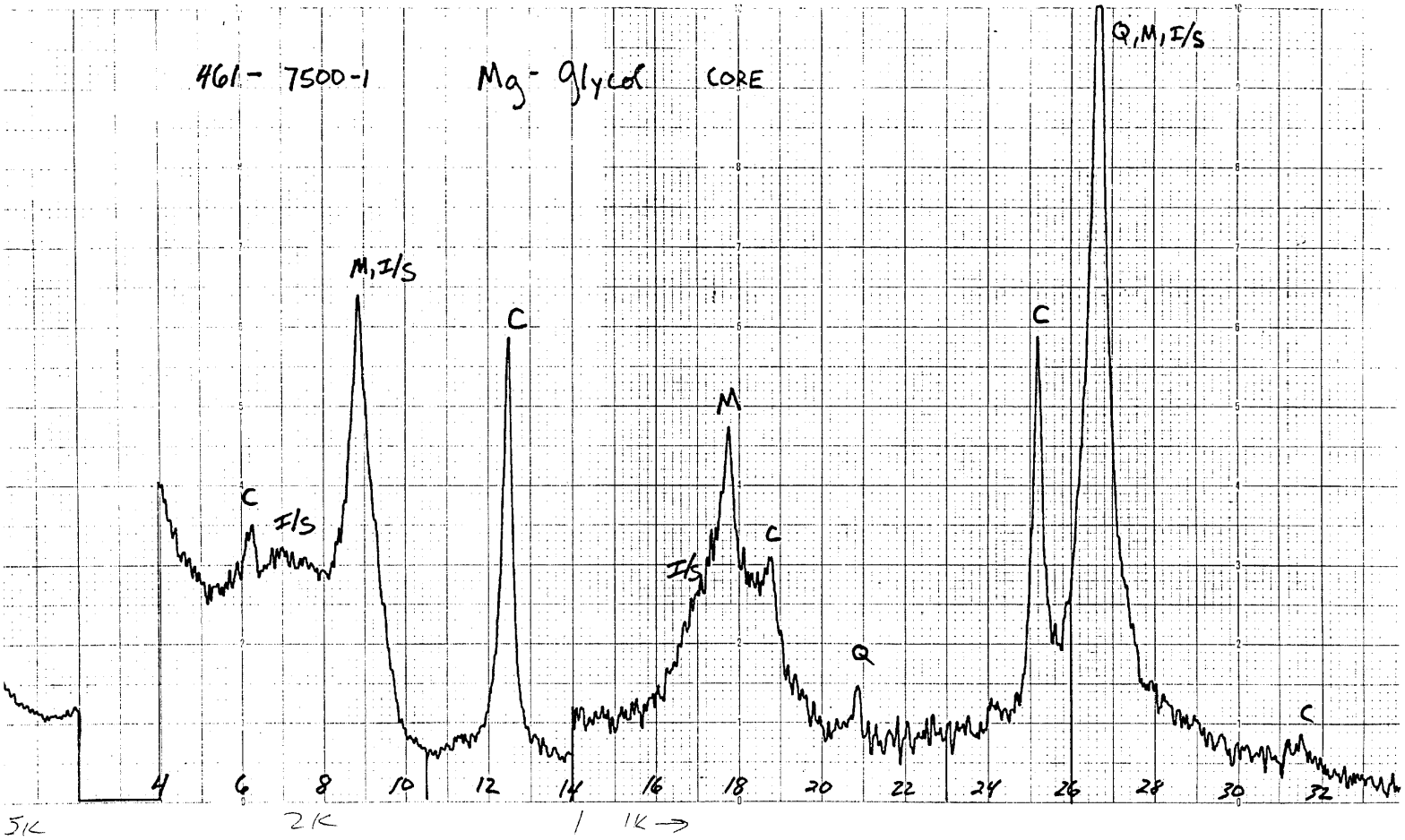

461 - 6230-40 CUTTINGS Mg-glycol
M, I/S
K, C
C
I/S
M
I/S
C
C
?K
?Q, M
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
3K
2K
1K

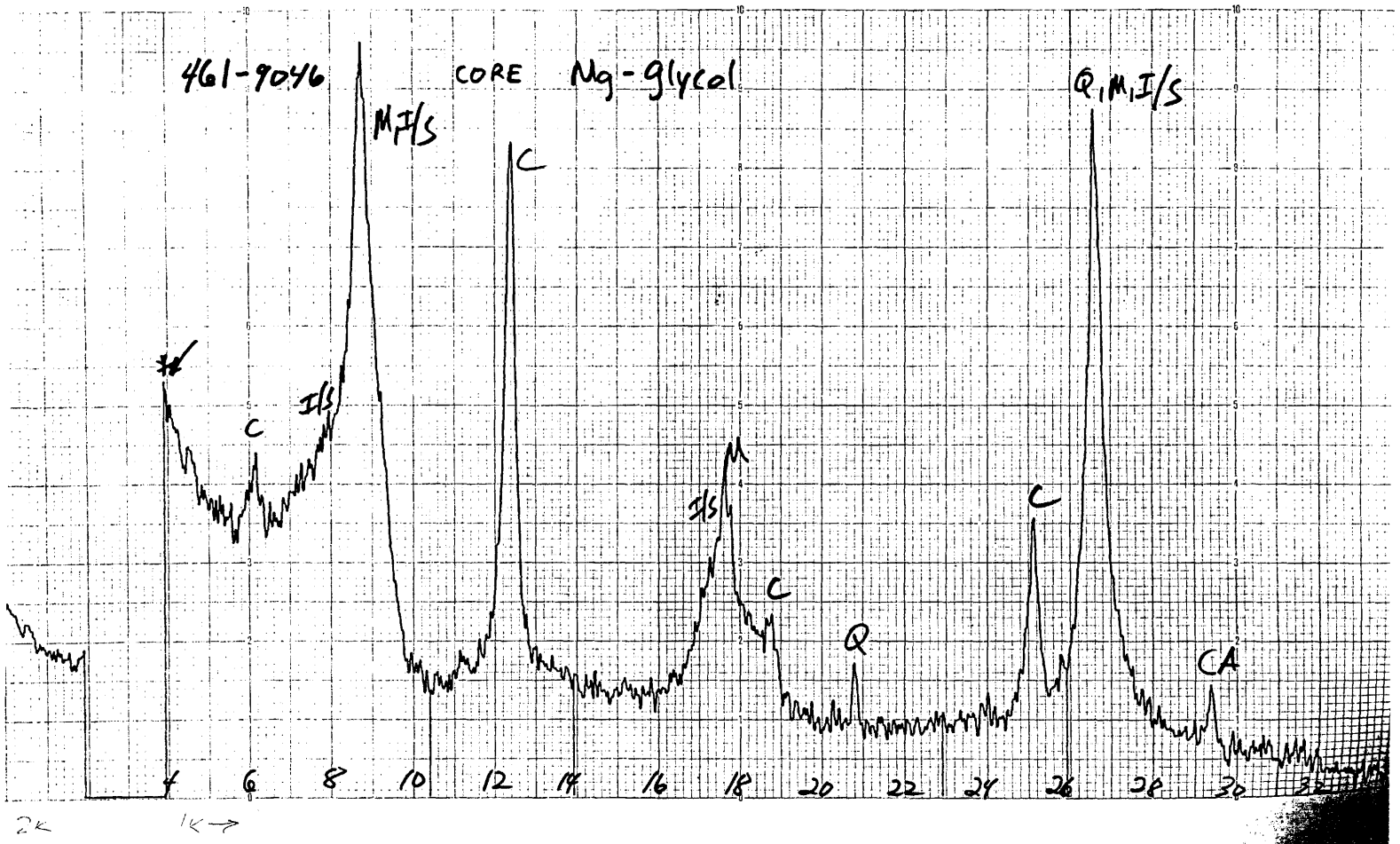

461-6430-40
CUTTINGS
Mg-glycol
C
I/S
M, I/S
K, C
I/S
M
C
Q
K?
C
Q, M, I/S
P
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
4K
2K
1K

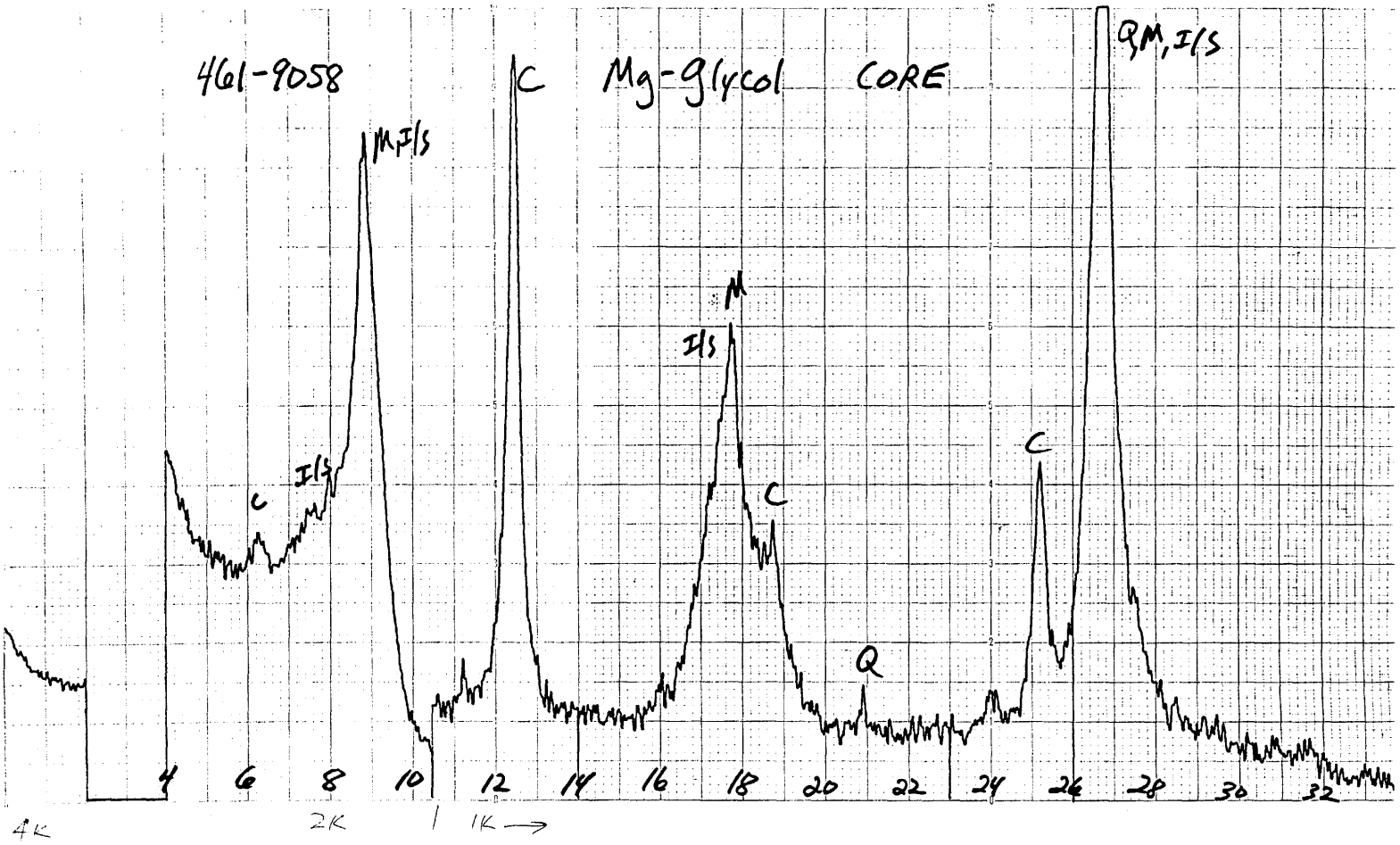

461-6600-10
CUTTINGS Mg-glycol
K,C
M,I/S
C
I/S
M
I/S
C
K
C
M,I/S
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2k
1 1k →


461 - 6800 -10
CUTTINGS
Mg-glycol
NOTE DISPLACE.
C
I/S
M,I/S
K,C
I/S
M
C
K
C
Q?,M,I/S
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
5K
2K
1K →


461 - 7190 - 200
CUTTINGS
Mg-glycol
K,C
M, I/S
C
I/S
M
I/S
C
K
C
Q?, M, I/S
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
2K
1K


461 - 7500-1
Mg- Glycol CORE
Q,M,I/S
M,I/S
C
C
M
C
C
I/S
I/S
Q
C
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
5K
2K
1
1K →


461-9046
CORE
Mg-glycol
M,I/S
C
I/S
C
I/S
C
Q
C
Q,M,I/S
CA
4
6
8
10
12
14
16
18
20
22
24
26
28
30
2K
1K


461-9058
Mg-Glycol CORE
C
M,I/S
I/S
C
M
I/S
C
Q
C
QM,I/S
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
4K
2K
1K