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X-RAY DIFFRACTION CLAY MINERALOGY ANALYSIS

TABLE 10

Clay Mineralogy of Conventional Core Samples
From Mobil West Staines State 18-9-23,
North Slope, Alaska

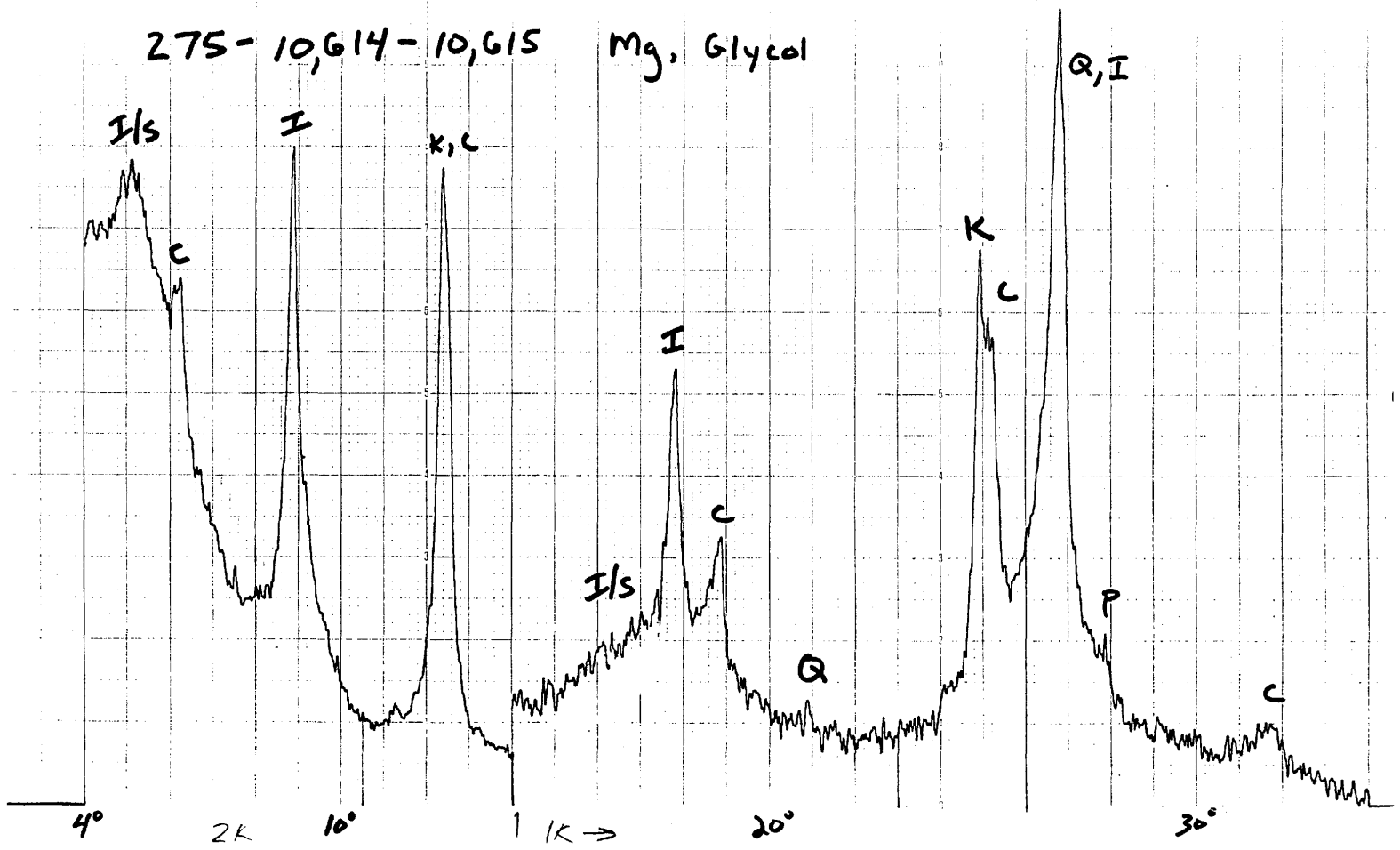
DEPTH FT	SMECTITE	ILLITE/SMECTITE	ILLITE	CHLORITE	KAOLIN	OTHER MINERALS
10614	-	MOD	MAJ	MOD	MAJ	Q1,P1,BNSH.
11170	-	MIN	MAJ	MOD	MOD	Q1,P,PY,BNSH.
11223	-	MIN	MAJ	MOD	MOD	Q1,P1,BNSH.
11733	-	MIN	MAJ	MAJ	MOD	Q2,P,CA,BNSH.
12543	-	TRACE	MOD	TRACE	-	Q2,P,PY1,BKSH.
12559	-	MOD	-	-	-	Q,F,HC,TUFF
12561	-	MAJ	-	-	-	TUFF
12658	-	MAJ	-	-	-	Q,AN,TUFF
12659	-	MAJ	-	-	-	Q2,AN2,TUFF
12671	-	-	MAJ	-	-	Q2,P,PY2,BKSH.
12678	-	-	-	-	-	Q3,AN2,TUFF

Definitions: TRACE = <3%, MIN = 3 - 12%, Mod = 13 - 35%, Major = >35%. Other E 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.

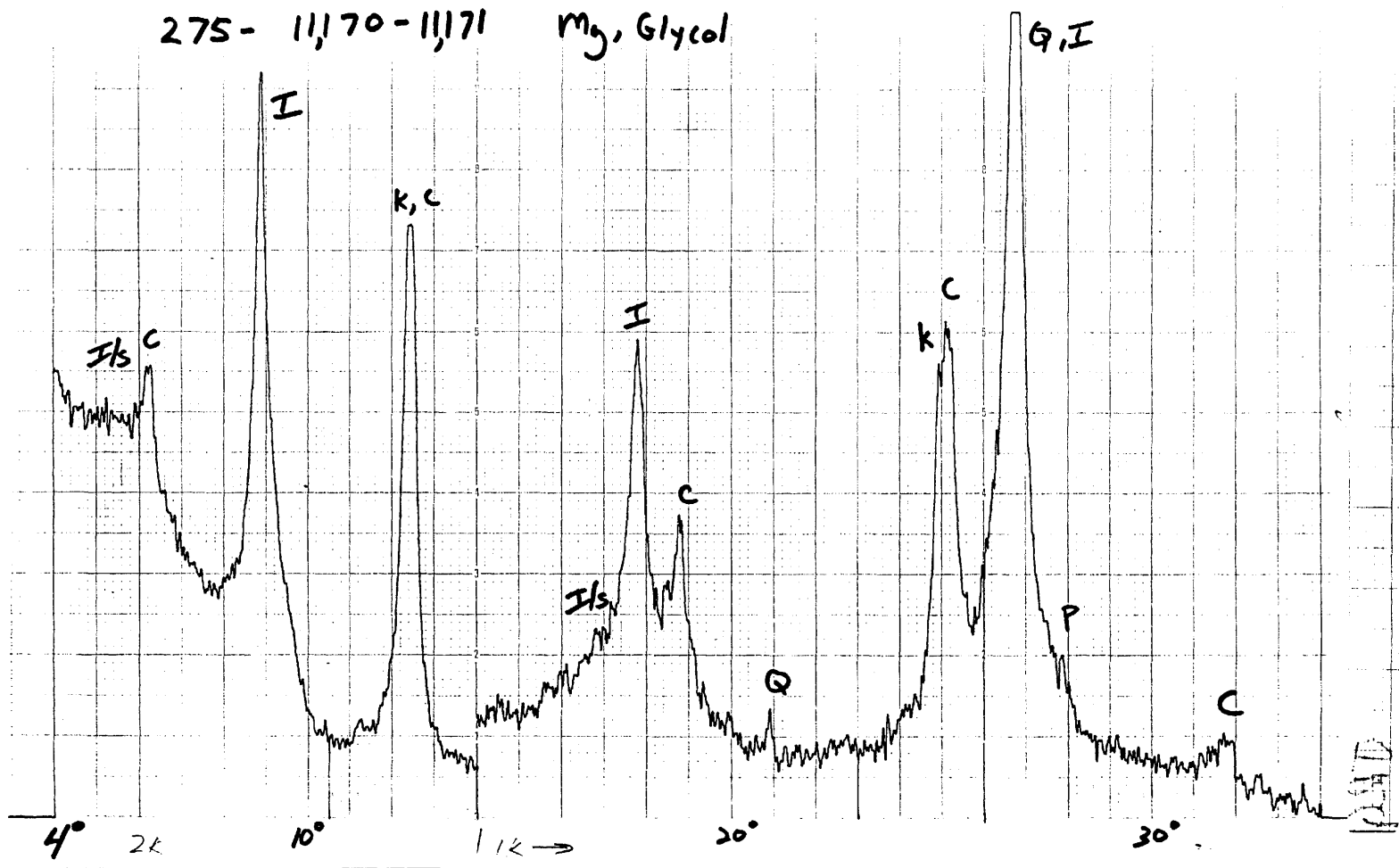
OR I 6 T 2 A L

275-10,614-10,615

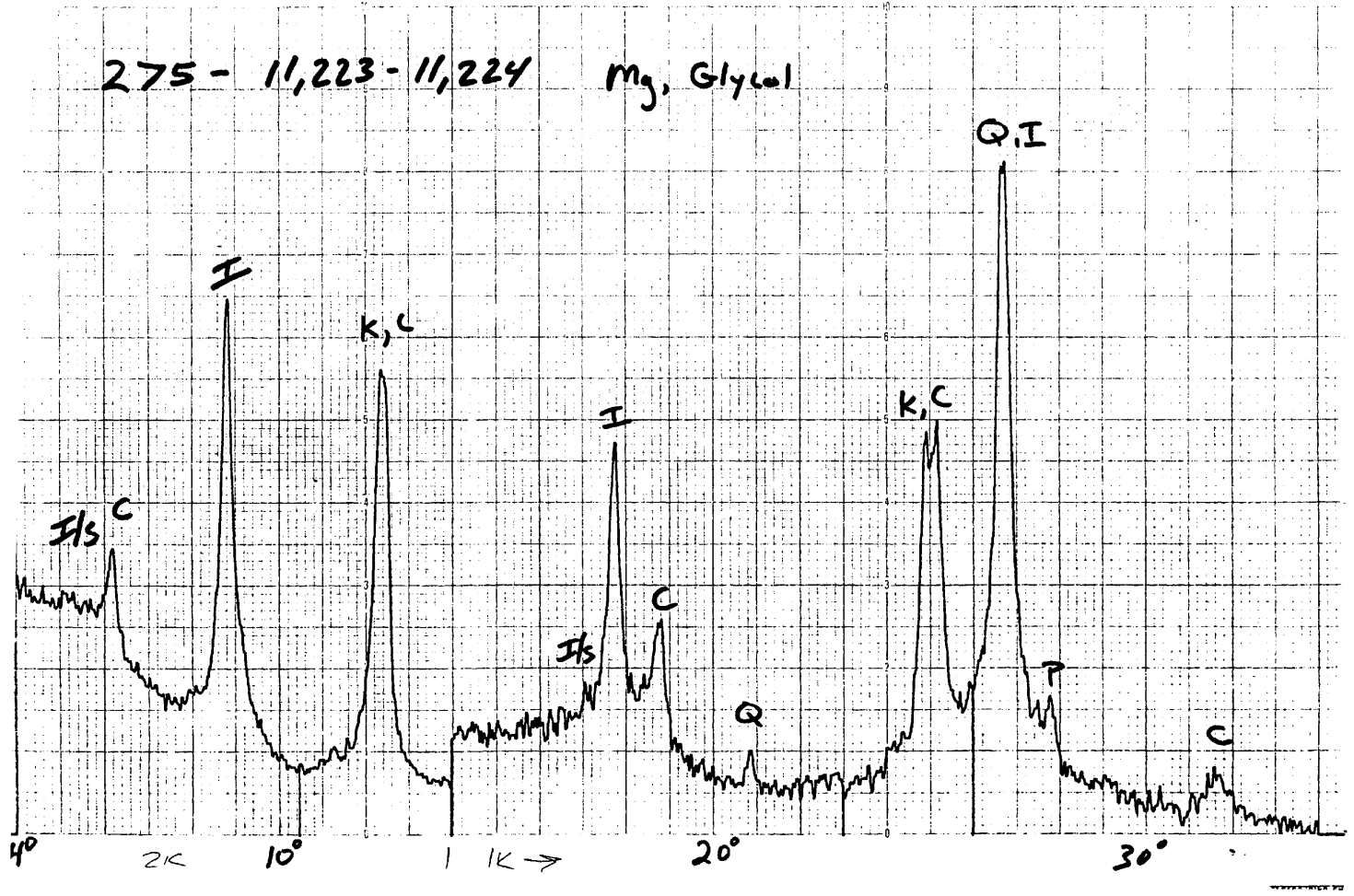
Mg, Glycol



275- 11,70-11,71 mg, Glycol

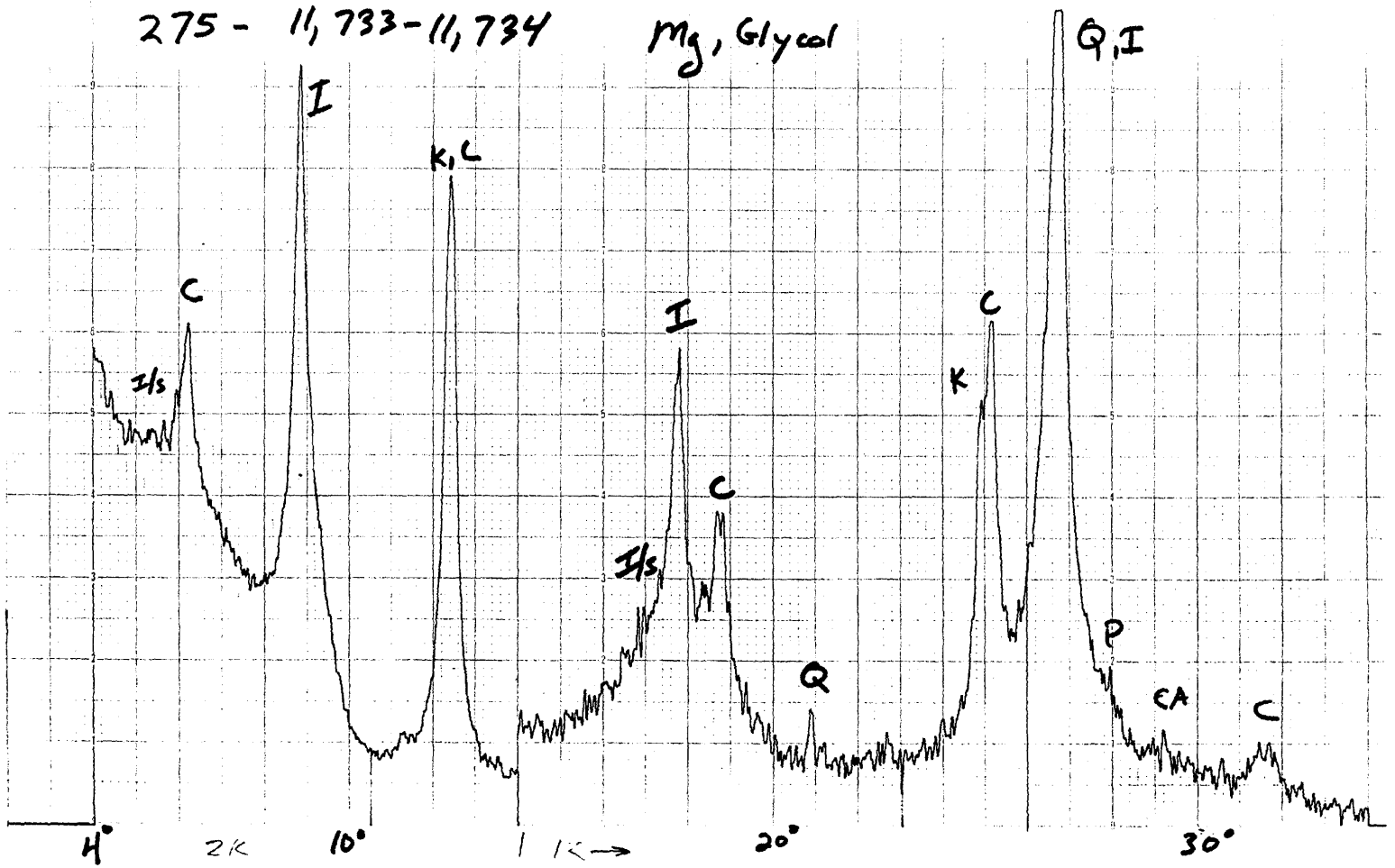


275 - 11,223 - 11,224 mg, Glycol



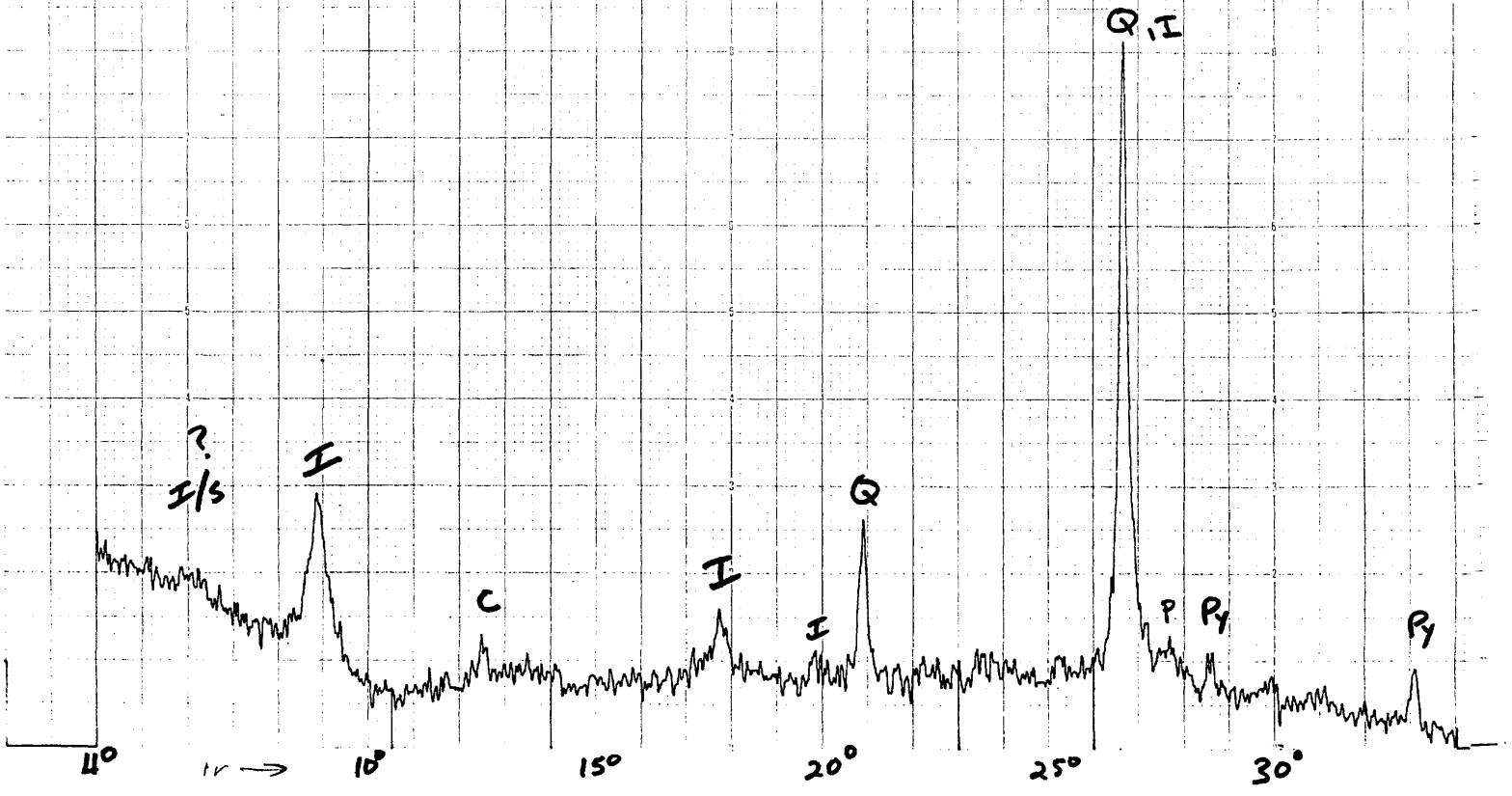
275 - 11,733-11,734

Mg, Glycol



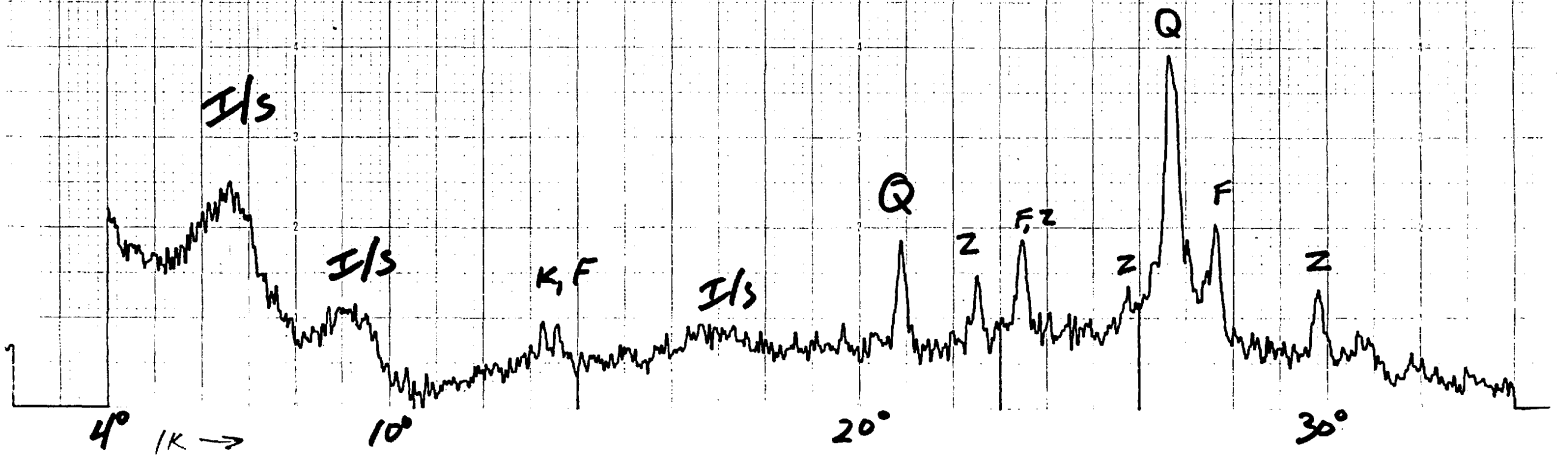
275-12,543-12,544

Mg, GLYCOL



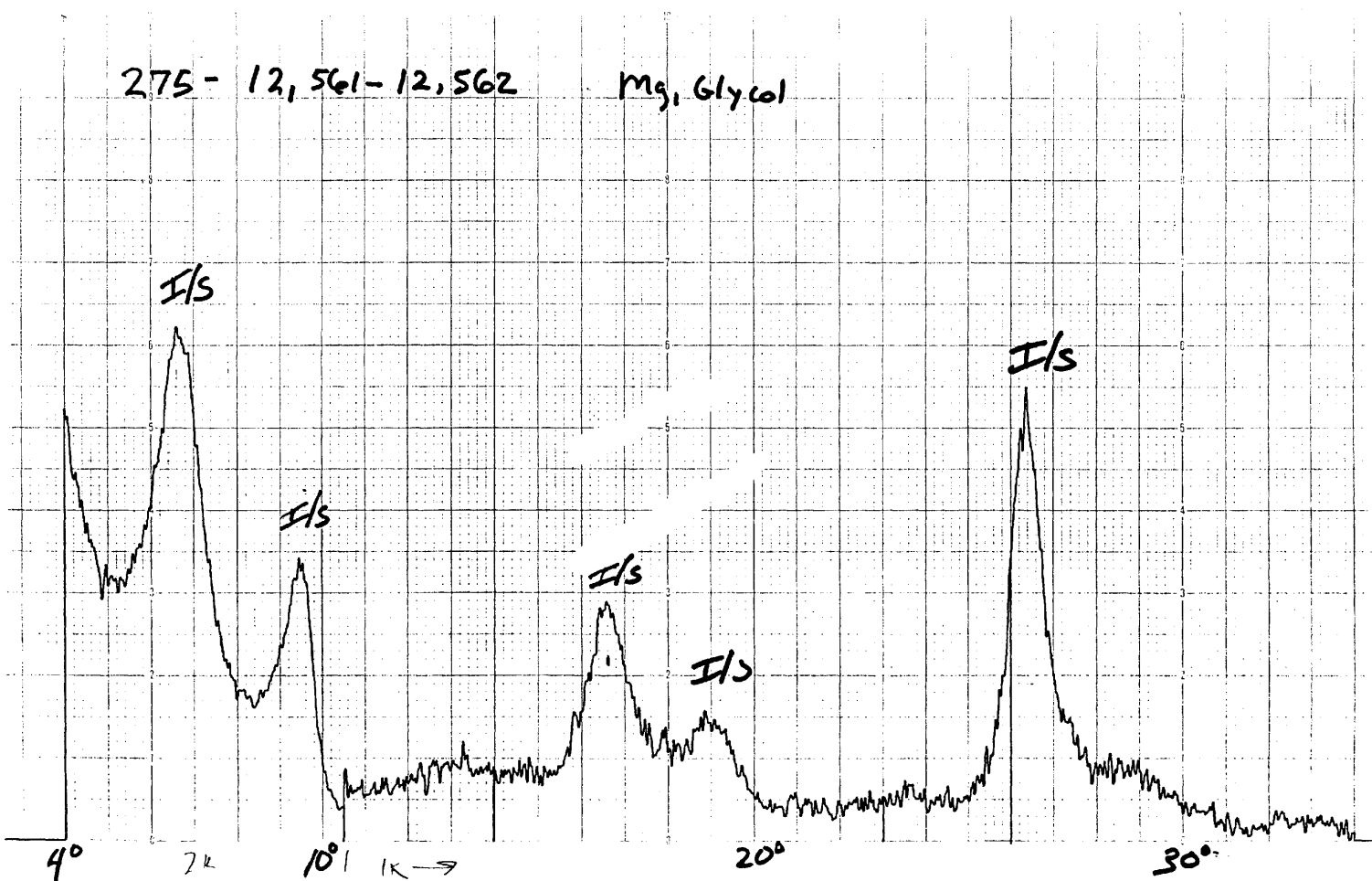
275-12,559-12,560

Mg, Glycol



275 - 12,561 - 12,562

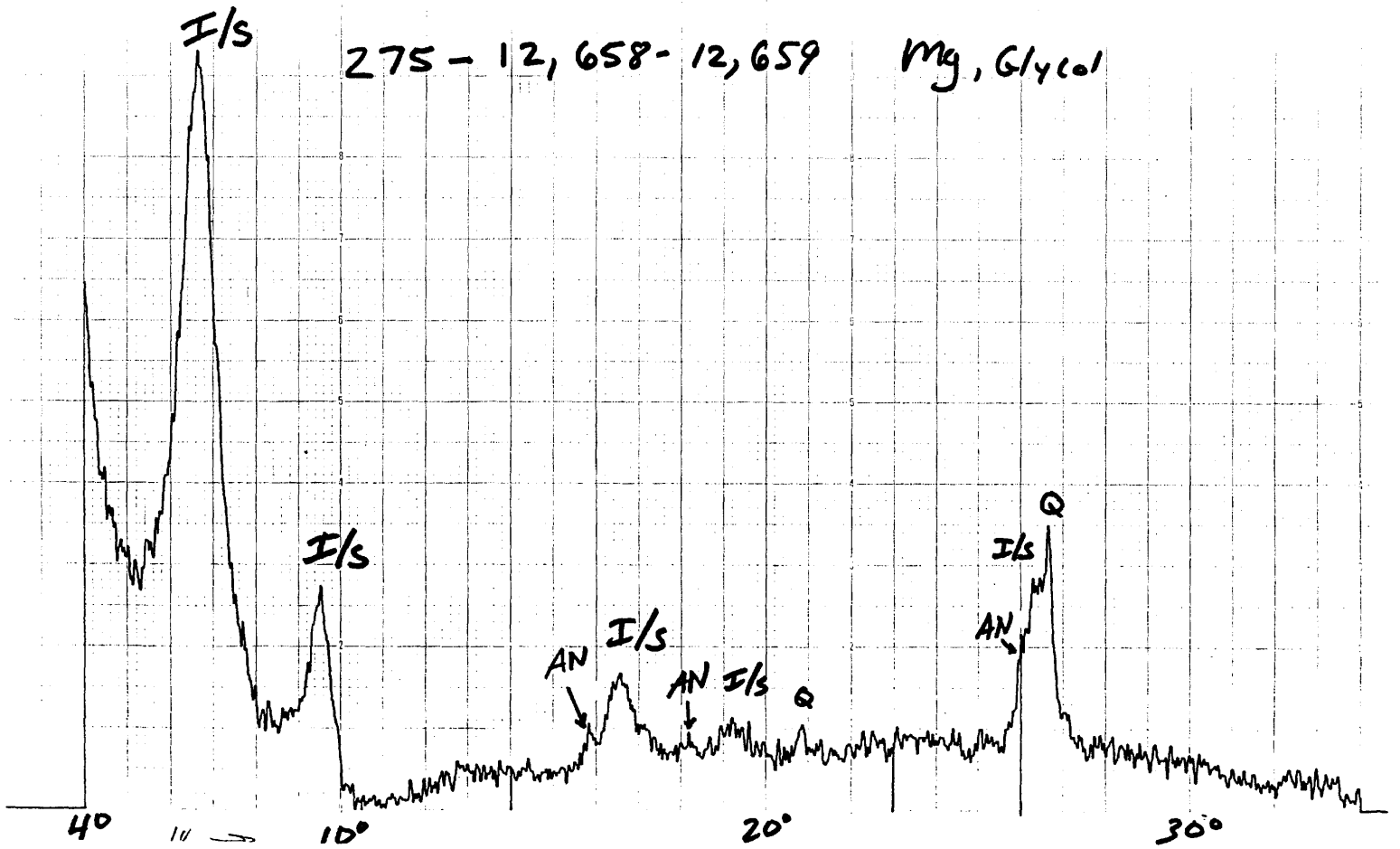
Mg, Glycol



I/s

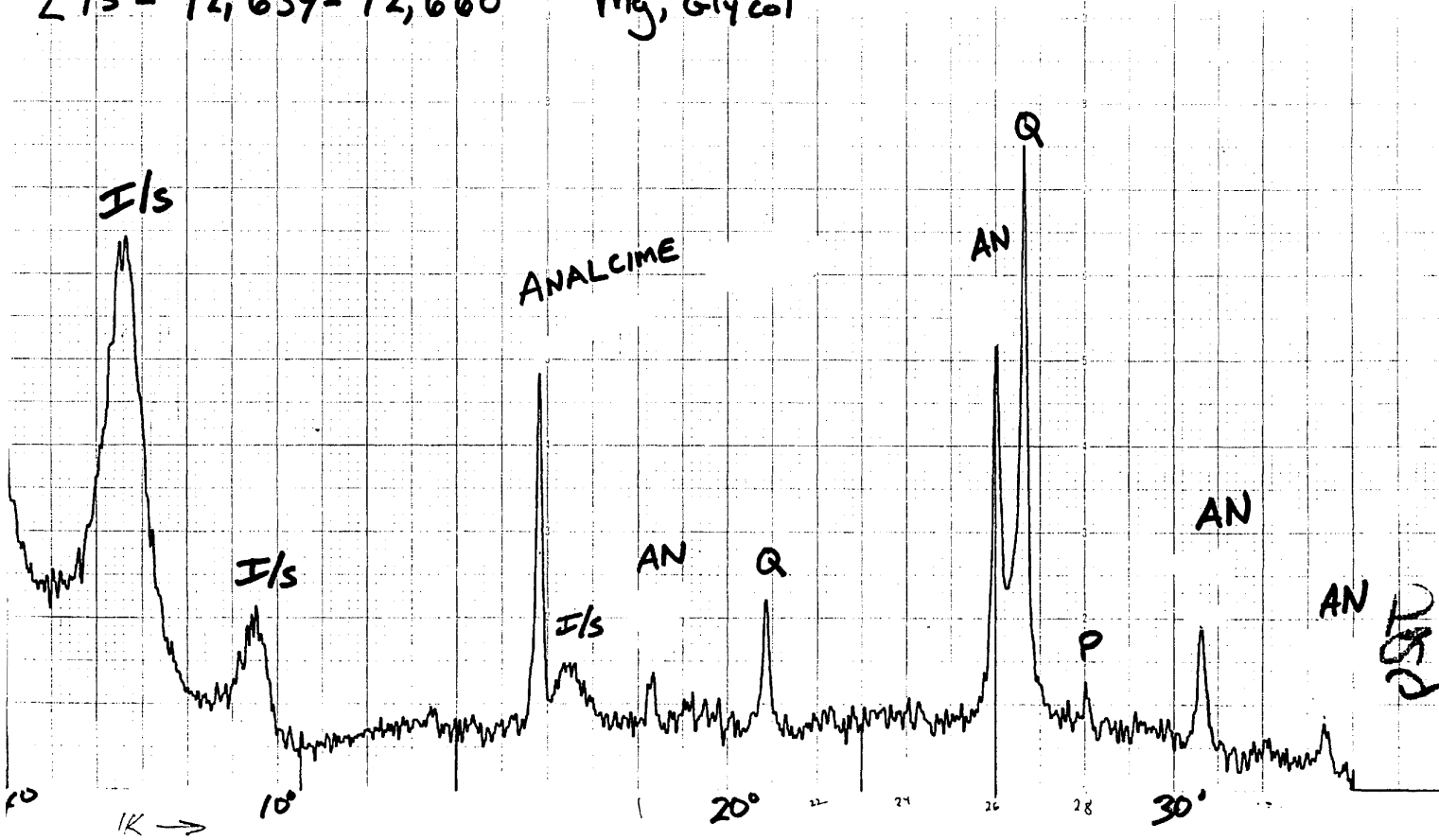
275 - 12,658 - 12,659

Mg, Glycol



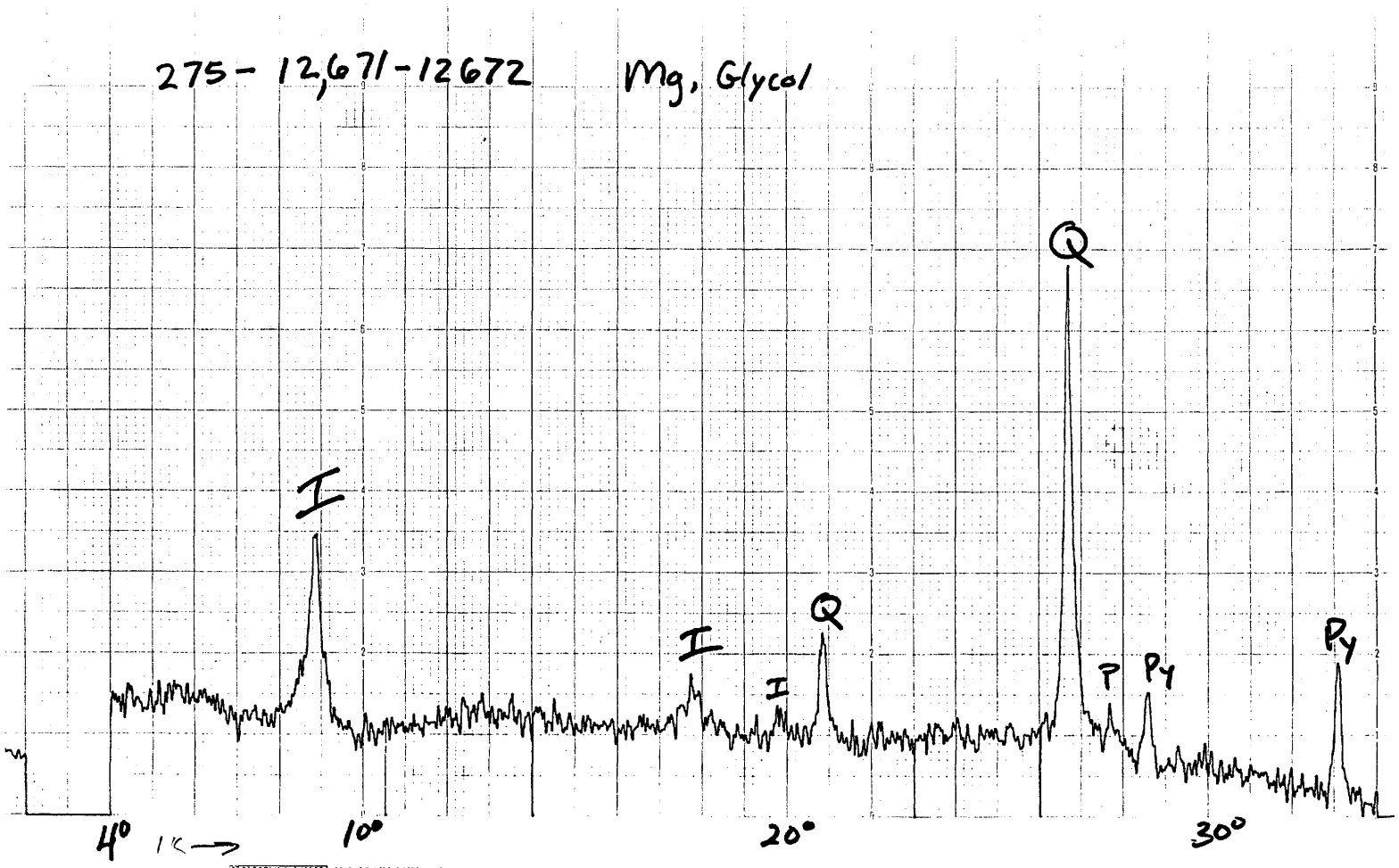
275 - 12,659 - 12,660

Mg, Glycol



275-12,671-12672

Mg, Glycol



275 - 12,678 - 12,679 mg, Glycol

715a

ANALCIME

Q

AN

Q

AN

