

peak list

sample: UPTT-04- 01

3-feb-93 13:26

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 134.RD 21-jan-93 11:15
diffractometer: PW1710
x-ray tube: Cu BF 40kV 40mA
wavelength(a1,a2): 1.54060 1.54438
monochromator: YES
divergence slit: AUT
irradiated length: 12 mm
receiving slit: 0.1
range 2theta: 4.000 - 60.000
step width, time: 0.020 0.50
peaks file name: 134.DI 3-feb-93 13:26
range d-value: 1.5406 - 22.0720
range tip width: 0.00 - 2.00
minimum significance: 2.59
conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
D 1	4.0361	22.005	0.120	48	9	2.35	2.89
D 2	3.6981	24.045	0.120	90	10	4.46	3.58
C 3	3.3447	26.630	0.120	213	10	10.53	5.17
C 4	3.0346	29.410	0.200	102	10	5.04	3.87
D 5	2.8893	30.925	0.160	2025	9	100.00	32.54
D 6	2.6717	33.515	0.120	98	10	4.84	3.05
D 7	2.5402	35.305	0.160	94	12	4.65	4.05
D 8	2.4072	37.325	0.100	149	12	7.35	2.64
C 9	2.2843	39.415	0.180	31	12	1.55	2.67
D 10	2.1944	41.100	0.140	392	12	19.36	8.89
D 11	2.0659	43.785	0.160	52	11	2.56	3.61
D 12	2.0178	44.885	0.100	190	11	9.40	3.30
D 13	1.8483	49.260	0.200	40	11	1.96	2.91
D 14	1.8065	50.480	0.120	156	10	7.72	2.98
D 15	1.7883	51.030	0.120	207	10	10.24	4.61
D 16	1.5664	58.915	0.320	26	10	1.28	3.99

peak list

sample: UPTT-04- 04

3-feb-93 10:37

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 137.RD 22-jan-93 8:33
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 137.DI 3-feb-93 10:37
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
1	4.2510	20.880	0.160	36	4	1.69	3.35
2	4.0280	22.050	0.120	50	5	2.37	2.98
3	3.6921	24.085	0.160	102	5	4.80	5.40
4	3.3404	26.665	0.100	139	7	6.55	2.95
5	3.0346	29.410	0.140	159	7	7.47	4.75
6	2.8856	30.965	0.160	2125	7	100.00	29.44
7	2.6678	33.565	0.120	106	7	4.99	2.89
8	2.5399	35.310	0.100	112	7	5.29	2.33
9	2.4941	35.980	0.160	31	7	1.48	2.43
10	2.4069	37.330	0.080	146	8	6.89	2.27
11	2.2854	39.395	0.160	34	8	1.58	2.09
12	2.1924	41.140	0.160	445	9	20.95	12.56
13	2.0932	43.185	0.160	34	8	1.58	2.12
14	2.0650	43.805	0.140	62	8	2.94	2.52
15	2.0161	44.925	0.100	213	8	10.03	3.53
16	1.9103	47.560	0.200	26	7	1.22	2.11
17	1.8733	48.560	0.240	23	6	1.08	2.88
18	1.8478	49.275	0.200	53	6	2.51	3.20
19	1.8055	50.510	0.080	180	6	8.45	2.21
20	1.7875	51.055	0.140	228	6	10.73	6.14
21	1.5668	58.895	0.160	37	7	1.75	4.18
22	1.5453	59.800	0.100	79	7	3.73	2.35

peak list

sample: UPTT-04- 04AGREGADO

3-feb-93 10:40

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 137AGREG.RD 22-jan-93 10:39
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 137AGREG.DI 3-feb-93 10:40
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

	peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
CH	1	7.0336	12.575	0.320	30	1	1.76	2.80
P	2	3.9905	22.260	0.160	41	6	2.38	3.17
P	3	3.6569	24.320	0.140	92	6	5.35	3.60
e	4	3.3154	26.870	0.140	125	7	7.28	4.91
C	5	3.0081	29.675	0.200	90	7	5.24	4.53
P	6	2.8653	31.190	0.180	1722	7	100.00	33.30
P	7	2.6521	33.770	0.120	119	6	6.90	3.72
D	8	2.5243	35.535	0.100	106	6	6.16	2.17
D	9	2.3906	37.595	0.100	137	6	7.95	2.41
C	10	2.2685	39.700	0.280	23	7	1.34	2.55
D	11	2.1820	41.345	0.120	408	7	23.69	6.59
C	12	2.0550	44.030	0.160	56	8	3.27	2.06
D	13	2.0070	45.140	0.160	188	8	10.90	9.05
D	14	1.8389	49.530	0.240	44	11	2.53	4.01
P	15	1.7978	50.740	0.140	196	10	11.38	5.64
P	16	1.7806	51.265	0.140	225	8	13.06	6.20
D	17	1.5617	59.110	0.200	32	10	1.89	2.95

peak list

sample: UPTT-04- 05

3-feb-93 10:16

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 135.RD 21-jan-93 13:21
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 135.DI 3-feb-93 10:16
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
D 1	4.0352	22.010	0.120	35	7	1.56	2.22
C 2	3.8587	23.030	0.160	50	6	2.25	2.75
D 3	3.6966	24.055	0.120	92	6	4.12	3.03
C 4	3.3490	26.595	0.080	149	6	6.65	2.38
C 5	3.0376	29.380	0.160	342	5	15.30	13.67
D 6	2.8888	30.930	0.180	2237	7	100.00	44.20
D 7	2.6701	33.535	0.140	94	8	4.21	3.81
D 8	2.5420	35.280	0.080	106	8	4.74	2.37
C 9	2.4974	35.930	0.120	74	8	3.31	2.19
D 10	2.4069	37.330	0.140	144	9	6.44	5.10
C 11	2.2871	39.365	0.120	79	9	3.54	2.90
D 12	2.1952	41.085	0.100	404	10	18.06	4.86
C 13	2.0964	43.115	0.060	67	9	3.01	2.46
D 14	2.0668	43.765	0.080	61	8	2.72	2.02
D 15	2.0174	44.895	0.100	182	8	8.15	3.51
C 16	1.9119	47.520	0.200	41	7	1.83	2.80
C 17	1.8759	48.490	0.240	49	7	2.19	6.05
D 18	1.8483	49.260	0.140	41	7	1.83	2.46
D 19	1.8053	50.515	0.140	180	7	8.03	5.73
D 20	1.7881	51.035	0.100	207	7	9.27	3.44
C 21	1.6260	56.555	0.240	10	8	0.43	2.45
C 22	1.6048	57.370	0.080	46	8	2.07	2.58
D 23	1.5676	58.865	0.160	28	9	1.26	2.02

peak list

sample: UPTT-04- 07

3-feb-93 10:18

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 136.RD 21-jan-93 10:21
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 136.DI 3-feb-93 10:18
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
Q 1	4.2611	20.830	0.120	104	5	6.98	3.07
D 2	3.6996	24.035	0.140	88	8	5.93	4.27
Q 3	3.3453	26.625	0.160	424	10	28.48	13.87
C 4	3.0325	29.430	0.200	219	9	14.70	10.51
D 5	2.8888	30.930	0.140	1490	10	100.00	17.15
D 6	2.6717	33.515	0.140	71	10	4.74	3.04
D 7	2.5413	35.290	0.200	81	10	5.44	4.27
Q 8	2.4591	36.510	0.160	36	11	2.42	2.08
D 9	2.4069	37.330	0.120	114	12	7.68	2.36
Q 10	2.2832	39.435	0.120	62	11	4.19	2.12
D 11	2.1942	41.105	0.160	339	11	22.72	11.73
Q 12	2.1299	42.405	0.240	15	10	1.02	2.18
C 13	2.0907	43.240	0.240	28	10	1.89	2.07
D 14	2.0650	43.805	0.200	46	10	3.10	3.35
D 15	2.0169	44.905	0.100	154	9	10.32	2.21
C 16	1.9075	47.635	0.320	26	8	1.75	3.50
C 17	1.8708	48.630	0.240	32	9	2.18	3.31
D 18	1.8483	49.260	0.160	36	9	2.42	2.18
Q 19	1.8198	50.085	0.120	35	9	2.34	2.26
D 20	1.8055	50.510	0.120	146	9	9.83	3.20
D 21	1.7876	51.050	0.120	180	9	12.05	4.25
Q 22	1.6670	55.045	0.800	7	10	0.45	2.18
D 23	1.5674	58.870	0.160	27	10	1.81	2.20
D 24	1.5454	59.795	0.140	58	10	3.88	2.50

peak list

sample: UPT-04- 12

3-feb-93 10:20

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 141.RD 21-jan-93 10:50
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 141.DI 3-feb-93 10:19
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
1	4.2651	20.810	0.120	40	4	1.57	2.13
2	4.0397	21.985	0.120	62	5	2.48	2.53
3	3.7011	24.025	0.120	114	5	4.54	3.67
4	3.3490	26.595	0.120	125	7	4.98	3.76
5	3.0225	29.530	0.200	56	7	2.23	2.03
6	2.8902	30.915	0.140	2520	7	100.00	25.06
7	2.6724	33.505	0.160	108	7	4.29	4.99
8	2.5437	35.255	0.080	108	8	4.29	2.24
9	2.4082	37.310	0.120	190	8	7.56	5.03
10	2.1947	41.095	0.140	506	8	20.09	11.04
11	2.0666	43.770	0.140	72	9	2.87	4.12
12	2.0180	44.880	0.100	237	10	9.41	4.54
13	1.8492	49.235	0.200	48	10	1.89	3.46
14	1.8058	50.500	0.100	210	9	8.34	2.21
15	1.7885	51.025	0.100	282	9	11.20	3.87
16	1.5682	58.840	0.160	42	7	1.68	3.59
17	1.5455	59.790	0.100	86	7	3.43	2.03

peak list

sample: UPTT-06-01

3-feb-93 10:21

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 151.RD 21-jan-93 8:16
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 151.DI 3-feb-93 10:21
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

	peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P	1	10.4494	8.455	0.640	108	5	11.86	3.45
P	2	6.3162	14.010	0.960	19	4	2.12	2.49
P	3	4.4703	19.845	0.320	66	9	7.19	3.46
Q	4	4.2560	20.855	0.080	185	12	20.28	3.33
D	5	3.7034	24.010	0.160	45	17	4.92	2.09
Q	6	3.3422	26.650	0.120	912	20	100.00	12.60
F	7	3.2437	27.475	0.200	90	20	9.90	2.43
D	8	2.8952	30.860	0.240	620	21	67.98	28.71
D	9	2.6783	33.430	0.360	30	18	3.32	4.59
D	10	2.5563	35.075	1.120	49	19	5.37	7.45
Q	11	2.4565	36.550	0.160	49	19	5.37	2.15
D	12	2.4094	37.290	0.180	56	19	6.17	3.75
Q	13	2.2815	39.465	0.160	34	19	3.69	2.69
Q	14	2.2388	40.250	0.160	37	19	4.08	3.19
D	15	2.1934	41.120	0.120	154	18	16.86	2.43
Q	16	2.1268	42.470	0.160	36	17	3.95	2.08
D	17	2.0675	43.750	0.240	18	17	1.93	2.40
D	18	2.0186	44.865	0.280	59	16	6.50	6.71
Q	19	1.9798	45.795	0.200	30	15	3.32	2.68
D	20	1.8492	49.235	0.320	15	14	1.67	2.28
D	21	1.8184	50.125	0.100	104	14	11.41	2.75
D	22	1.7880	51.040	0.280	61	14	6.67	4.12
Q	23	1.6714	54.885	0.240	20	14	2.22	2.80
D	24	1.5679	58.850	0.320	14	14	1.50	2.32

peak list

sample: UPTT-06-02

3-feb-93 13:23

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 153.RD 21-jan-93 9:31
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 153.DI 3-feb-93 13:23
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.4433	8.460	0.640	102	5	7.45	3.17
P 2	6.4725	13.670	0.960	20	4	1.48	2.62
P 3	4.4759	19.820	0.240	55	7	4.00	2.90
θ 4	4.2570	20.850	0.120	299	9	21.86	6.21
D 5	3.7065	23.990	0.240	42	13	3.09	3.17
θ 6	3.3441	26.635	0.140	1369	16	100.00	22.14
F 7	3.2420	27.490	0.120	98	16	7.16	2.96
D 8	2.8906	30.910	0.120	681	16	49.76	6.60
D 9	2.6744	33.480	0.320	26	15	1.90	3.17
D 10	2.5472	35.205	0.480	50	15	3.68	2.47
θ 11	2.4575	36.535	0.180	71	16	5.15	4.71
D 12	2.4069	37.330	0.180	49	17	3.58	3.31
θ 13	2.2826	39.445	0.140	52	16	3.79	3.06
θ-P 14	2.2356	40.310	0.240	23	16	1.68	2.74
D 15	2.1962	41.065	0.140	132	16	9.66	2.02
θ 16	2.1282	42.440	0.200	59	14	4.33	3.55
D 17	2.0677	43.745	0.240	15	14	1.11	2.56
D 18	2.0188	44.860	0.280	59	14	4.33	7.08
θ 19	1.9800	45.790	0.160	30	13	2.21	2.68
D 20	1.8522	49.150	0.320	14	13	1.00	2.05
θ 21	1.8188	50.115	0.080	121	13	8.84	3.06
D 22	1.7881	51.035	0.200	64	13	4.67	2.20
θ 23	1.6730	54.830	0.160	29	14	2.13	2.08
θ 24	1.5423	59.925	0.100	64	14	4.67	2.12

peak list

sample: UPTT-06-03

3-feb-93 10:23

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 143.RD 21-jan-93 12:31
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 143.DI 3-feb-93 10:23
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.5115	8.405	0.400	174	3	14.90	3.62
P 2	6.4631	13.690	0.960	23	4	1.97	3.85
P 3	5.4469	16.260	0.960	19	4	1.66	2.86
P 4	4.4803	19.800	0.280	61	7	5.20	2.80
Q 5	4.2621	20.825	0.140	146	9	12.52	4.49
D 6	3.7034	24.010	0.200	77	12	6.62	6.16
Q 7	3.3453	26.625	0.120	882	14	75.42	11.38
F 8	3.2414	27.495	0.120	100	14	8.55	2.54
D 9	2.8938	30.875	0.260	1170	15	100.00	51.36
D 10	2.6775	33.440	0.240	50	12	4.31	3.16
D 11	2.5437	35.255	0.320	72	12	6.18	2.99
Q 12	2.4578	36.530	0.080	108	11	9.25	2.31
D 13	2.4094	37.290	0.200	98	11	8.38	4.61
Q 14	2.2840	39.420	0.160	69	10	5.89	5.48
D 15	2.1975	41.040	0.120	256	11	21.89	3.88
Q 16	2.1296	42.410	0.200	37	11	3.18	2.10
D 17	2.0684	43.730	0.240	32	11	2.78	3.31
D 18	2.0193	44.850	0.080	125	12	10.72	2.09
D 19	1.8527	49.135	0.280	28	12	2.40	3.37
D 20	1.8200	50.080	0.100	98	12	8.38	2.25
D 21	1.7894	50.995	0.280	119	12	10.16	7.90
Q 22	1.6734	54.815	0.120	23	12	1.97	2.08
D 23	1.5683	58.835	0.320	20	11	1.73	2.10

peak list

sample: UPTT-06-06

3-feb-93 10:25

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 147.RD 21-jan-93 12:56
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 147.DI 3-feb-93 10:25
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.3820	8.510	0.560	299	6	34.86	8.07
P 2	6.3957	13.835	0.560	31	4	3.65	2.00
P 3	5.3747	16.480	0.400	35	4	4.05	2.18
P 4	4.4636	19.875	0.320	92	8	10.74	2.46
Q 5	4.2480	20.895	0.120	90	12	10.51	2.44
D 6	3.6943	24.070	0.240	44	15	5.07	2.21
Q 7	3.3343	26.715	0.160	445	18	51.86	12.10
F 8	3.2162	27.715	0.480	83	19	9.65	4.06
D 9	2.8843	30.980	0.180	858	19	100.00	21.32
D 10	2.6678	33.565	0.240	44	18	5.07	2.72
D 11	2.5406	35.300	0.640	76	18	8.82	2.80
D 12	2.4029	37.395	0.160	79	18	9.23	2.35
D 13	2.1921	41.145	0.160	177	20	20.60	5.47
Q 14	2.1280	42.445	0.480	23	18	2.68	2.11
D 15	2.0639	43.830	0.240	18	16	2.15	2.62
D 16	2.0161	44.925	0.140	88	15	10.29	3.27
D 17	1.8467	49.305	0.320	18	13	2.05	2.23
D-6 18	1.8040	50.555	0.240	71	14	8.22	3.72
D 19	1.7873	51.060	0.120	96	15	11.19	2.15
Q 20	1.6681	55.005	0.960	11	17	1.27	4.87
D 21	1.5668	58.895	0.320	18	16	2.05	2.10

peak list

sample: UPTT-06-07

3-feb-93 10:41

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 149.RD 22-jan-93 8:57
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 149.DI 3-feb-93 10:41
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
1	16.4436	5.370	1.920	50	11	8.68	4.04
P 2	10.4804	8.430	0.480	177	9	30.46	3.81
P 3	6.3028	14.040	0.960	19	6	3.33	3.52
P 4	4.9929	17.750	0.240	25	7	4.30	2.10
P 5	4.4815	19.795	0.320	92	10	15.87	2.63
Θ 6	4.2560	20.855	0.140	169	16	29.10	5.32
F? 7	3.4910	25.495	0.480	27	24	4.66	2.04
Θ 8	3.3441	26.635	0.120	581	29	100.00	8.35
F 9	3.2403	27.505	0.240	77	29	13.33	2.73
D 10	2.8911	30.905	0.160	310	28	53.33	9.52
D 11	2.5609	35.010	0.320	77	22	13.33	2.59
D 12	2.4088	37.300	0.960	20	24	3.49	2.53
D 13	2.1952	41.085	0.200	66	25	11.30	3.46
Θ 14	2.1275	42.455	0.120	42	24	7.27	2.06
D 15	2.0184	44.870	0.160	31	21	5.40	2.10
Θ 16	1.8188	50.115	0.080	56	16	9.68	2.96
D 17	1.7893	51.000	0.280	30	16	5.21	2.64
Θ 18	1.6672	55.035	0.960	9	23	1.55	4.41

peak list

sample: UPTT-06-07AGREGADO

3-feb-93 10:42

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 149AGREG.RD 22-jan-93 11:28
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 149AGREG.DI 3-feb-93 10:42
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.1383	8.715	0.800	154	10	33.57	12.03
P 2	6.1996	14.275	0.560	24	3	5.24	2.26
P 3	4.4196	20.075	0.400	66	12	14.33	3.54
Q 4	4.2042	21.115	0.120	110	15	24.07	2.27
Q 5	3.3087	26.925	0.120	458	24	100.00	7.86
F 6	3.1824	28.015	0.480	55	25	11.96	2.95
D 7	2.8649	31.195	0.120	196	23	42.80	3.87
D 8	2.5423	35.275	1.280	48	21	10.40	10.01
P 9	2.2661	39.745	0.200	17	21	3.67	2.82
D 10	2.1805	41.375	0.180	55	21	11.96	2.95
Q 11	2.1123	42.775	0.480	17	21	3.67	2.26
D 12	2.0040	45.210	0.240	25	20	5.46	2.57
Q 13	1.8087	50.415	0.240	26	18	5.68	2.59
D 14	1.7781	51.345	0.240	23	18	5.03	2.38
Q 15	1.6591	55.330	0.960	10	18	2.24	3.19

peak list

sample: UPTT-06-08

3-feb-93 10:26

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 146.RD 21-jan-93 12:05
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 146.DI 3-feb-93 10:26
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

	peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P	1	10.6123	8.325	0.400	154	4	10.01	2.39
P	2	6.4584	13.700	0.960	23	3	1.50	3.85
P	3	5.4171	16.350	0.560	19	3	1.26	2.51
Q	4	4.2560	20.855	0.120	71	5	4.59	2.44
D	5	3.7004	24.030	0.160	100	8	6.51	2.32
Q	6	3.3435	26.640	0.100	289	11	18.81	3.00
F	7	3.2374	27.530	0.120	156	12	10.17	3.45
D	8	2.8906	30.910	0.160	1537	14	100.00	22.57
D	9	2.6752	33.470	0.240	61	14	3.96	3.77
D	10	2.5413	35.290	0.200	77	14	5.04	2.57
D	11	2.4072	37.325	0.160	117	14	7.59	4.86
D	12	2.1942	41.105	0.160	299	15	19.48	7.91
D	13	2.0657	43.790	0.240	31	14	2.04	3.18
D	14	2.0186	44.865	0.080	156	14	10.17	2.67
D	15	1.8504	49.200	0.200	37	11	2.42	2.52
D	16	1.8071	50.460	0.240	125	11	8.16	4.94
D	17	1.7893	51.000	0.160	164	11	10.66	4.48
Q	18	1.6691	54.970	0.960	7	9	0.44	3.02
D	19	1.5688	58.815	0.240	22	13	1.44	2.10

peak list

sample: UPTT-06-09

3-feb-93 10:28

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 145.RD 21-jan-93 9:56
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 145.DI 3-feb-93 10:28
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

	peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P	1	10.3577	8.530	0.800	79	8	11.11	4.20
P	2	4.4826	19.790	0.320	67	10	9.43	2.59
Q	3	4.2580	20.845	0.120	83	12	11.62	2.11
Q	4	3.7072	23.985	0.240	40	16	5.57	2.30
Q	5	3.3422	26.650	0.140	566	20	79.46	11.87
F	6	3.2437	27.475	0.140	71	20	9.90	2.39
D {	7	2.9021	30.785	0.100	713	22	100.00	2.79
D {	8	2.8911	30.905	0.140	595	22	83.51	4.79
D	9	2.6857	33.335	0.320	29	19	4.09	2.31
D	10	2.5553	35.090	0.400	61	19	8.53	2.06
Q	11	2.4562	36.555	0.160	46	19	6.49	2.02
Q	12	2.4110	37.265	0.140	85	19	11.87	2.51
D	13	2.1996	41.000	0.280	144	19	20.20	10.26
D	14	2.0677	43.745	0.240	17	18	2.36	2.02
P	15	2.0206	44.820	0.240	72	17	10.13	4.76
D	16	1.8520	49.155	0.320	17	14	2.36	2.10
D	17	1.8178	50.145	0.240	67	16	9.43	3.93
D	18	1.7922	50.910	0.240	76	16	10.62	2.52
Q	19	1.6706	54.915	0.480	12	18	1.72	2.14
D	20	1.5700	58.765	0.480	11	16	1.53	2.03

peak list

sample: UPTT-07-01

3-feb-93 10:46

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 144.RD 22-jan-93 9:23
diffractometer: PW1710
x-ray tube: Cu BF 40kV 40mA
wavelength(a1,a2): 1.54060 1.54438
monochromator: YES
divergence slit: AUT
irradiated length: 12 mm
receiving slit: 0.1
range 2theta: 4.000 - 60.000
step width, time: 0.020 0.50
peaks file name: 144.DI 3-feb-93 10:46
range d-value: 1.5406 - 22.0720
range tip width: 0.00 - 2.00
minimum significance: 2.00
conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.7216	8.240	0.400	207	5	23.99	3.32
P 2	5.4486	16.255	0.960	19	5	2.24	2.10
P 3	4.3060	20.610	0.400	166	9	19.25	2.50
P 4	4.1015	21.650	0.560	225	15	26.03	7.56
D 5	3.7072	23.985	0.240	61	17	7.04	3.13
E 6	3.3447	26.630	0.160	139	21	16.11	2.22
D 7	2.8961	30.850	0.160	864	23	100.00	15.95
D 8	2.6837	33.360	0.240	40	22	4.59	2.70
D 9	2.5521	35.135	0.180	62	23	7.22	2.06
P 10	2.5045	35.825	0.240	83	23	9.58	2.53
D 11	2.4091	37.295	0.160	94	23	10.89	3.90
D 12	2.1988	41.015	0.180	213	25	24.66	8.37
D 13	2.0193	44.850	0.160	106	24	12.27	4.49
D 14	1.8527	49.135	0.240	26	16	3.01	2.38
D 15	1.8110	50.345	0.240	71	16	8.16	2.87
D 16	1.7916	50.930	0.200	98	16	11.34	3.56
17	1.6259	56.560	1.440	7	19	0.78	2.50
D 18	1.5693	58.795	0.240	18	21	2.14	2.32

peak list

sample: UPTT-07-01AGREGADO

3-feb-93 10:48

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 144AGREG.RD 22-jan-93 11:04
diffractometer: PW1710
x-ray tube: Cu BF 40kV 40mA
wavelength(a1,a2): 1.54060 1.54438
monochromator: YES
divergence slit: AUT
irradiated length: 12 mm
receiving slit: 0.1
range 2theta: 4.000 - 60.000
step width, time: 0.020 0.50
peaks file name: 144AGREG.DI 3-feb-93 10:48
range d-value: 1.5406 - 22.0720
range tip width: 0.00 - 2.00
minimum significance: 2.00
conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.3820	8.510	0.480	231	4	51.41	5.28
P 2	6.4773	13.660	0.640	26	3	5.79	3.12
Q 3	4.2590	20.840	0.400	130	18	28.92	2.51
D 4	4.0488	21.935	0.480	174	23	38.77	4.04
Q 5	3.3130	26.890	0.080	149	32	33.12	2.12
D 6	2.8716	31.120	0.140	449	35	100.00	7.62
D 7	2.3930	37.555	0.160	58	28	12.85	3.14
D 8	2.1840	41.305	0.240	110	27	24.53	7.12
D 9	2.0089	45.095	0.200	61	27	13.54	3.79
D 10	1.8026	50.595	0.360	26	26	5.79	3.82
D 11	1.7831	51.190	0.240	46	25	10.29	3.42

peak list

sample: UPTT-07-02REPET

3-feb-93 13:22

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 142R.RD 22-jan-93 10:14
diffractometer: PW1710
x-ray tube: Cu BF 40kV 40mA
wavelength(a1,a2): 1.54060 1.54438
monochromator: YES
divergence slit: AUT
irradiated length: 12 mm
receiving slit: 0.1
range 2theta: 4.000 - 60.000
step width, time: 0.020 0.50
peaks file name: 142R.DI 3-feb-93 13:21
range d-value: 1.5406 - 22.0720
range tip width: 0.00 - 2.00
minimum significance: 2.00
conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.5240	8.395	0.560	164	12	54.74	2.37
P 2	6.4351	13.750	0.800	19	5	6.47	4.13
P 3	4.9831	17.785	0.480	22	10	7.38	2.31
P 4	4.4770	19.815	0.160	123	13	41.17	2.02
6 5	4.2560	20.855	0.120	108	16	36.14	3.38
C 6	3.8779	22.915	0.320	23	22	7.70	2.23
6 7	3.3453	26.625	0.100	299	34	100.00	2.18
F 8	3.2379	27.525	0.120	125	34	41.91	2.84
D? 9	2.8775	31.055	0.480	20	28	6.77	2.11
6 10	2.5606	35.015	0.360	86	26	28.90	4.73
6 11	2.3778	37.805	0.360	20	29	6.77	2.16
6 12	2.1270	42.465	0.240	32	29	10.86	2.99
6 13	1.9769	45.865	0.280	16	19	5.35	2.09
6 14	1.8178	50.145	0.240	18	17	5.89	2.71
6 15	1.6624	55.210	1.280	10	24	3.42	4.23

peak list

sample: UPTT-07-03

3-feb-93 10:50

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 148.RD 22-jan-93 9:48
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 148.DI 3-feb-93 10:50
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.5428	8.380	0.480	240	6	27.24	4.77
P 2	6.4491	13.720	0.960	23	3	2.61	4.15
P 3	5.4320	16.305	0.560	25	5	2.83	2.74
P 4	4.4703	19.845	0.360	86	10	9.81	5.31
D 5	3.6958	24.060	0.240	38	15	4.36	2.14
Q 6	3.3422	26.650	0.120	231	18	26.19	4.36
F 7	3.2190	27.690	0.480	62	19	7.08	2.93
D 8	2.8911	30.905	0.200	882	20	100.00	28.03
D 9	2.6748	33.475	0.240	45	19	5.09	2.74
D 10	2.5475	35.200	0.480	76	20	8.58	3.11
D 11	2.4079	37.315	0.120	86	20	9.81	2.23
D 12	2.1957	41.075	0.220	202	20	22.86	14.59
D 13	2.0675	43.750	0.240	18	18	2.00	2.52
D 14	2.0174	44.895	0.140	102	16	11.56	3.12
D 15	1.8517	49.165	0.320	16	16	1.81	2.37
Q 16	1.8071	50.460	0.240	79	16	8.98	4.03
D 17	1.7881	51.035	0.280	96	16	10.89	6.78
Q 18	1.6678	55.015	0.960	7	18	0.83	3.45
D 19	1.5672	58.880	0.240	18	17	2.00	2.31

peak list

sample: UPTT-07-03AGREGADO

3-feb-93 10:52

PHILIPS Analytical

PC-APD, Diffraction Software

data file name: 148AGREG.RD 22-jan-93 11:54
 diffractometer: PW1710
 x-ray tube: Cu BF 40kV 40mA
 wavelength(a1,a2): 1.54060 1.54438
 monochromator: YES
 divergence slit: AUT
 irradiated length: 12 mm
 receiving slit: 0.1
 range 2theta: 4.000 - 60.000
 step width, time: 0.020 0.50
 peaks file name: 148AGREG.DI 3-feb-93 10:51
 range d-value: 1.5406 - 22.0720
 range tip width: 0.00 - 2.00
 minimum significance: 2.00
 conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	9.8288	8.990	0.800	35	0	12.33	3.13
θ 2	4.3394	20.450	0.320	27	2	9.58	2.17
F 3	3.2676	27.270	0.160	83	9	29.34	2.44
⊙ 4	2.8317	31.570	0.180	282	12	100.00	9.78
P 5	2.5018	35.865	0.400	31	10	11.11	2.02
⊙ 6	2.3672	37.980	0.240	24	10	8.51	2.51
⊙ 7	2.1620	41.745	0.160	71	12	25.00	2.76
⊙ 8	1.9903	45.540	0.140	41	13	14.51	2.02
⊙ 9	1.7886	51.020	0.280	32	12	11.51	2.62
⊙ 10	1.7681	51.655	0.180	48	12	16.87	2.05
⊙ 11	1.6499	55.665	0.960	6	14	2.21	2.00

peak list

sample: UPTT-07-04

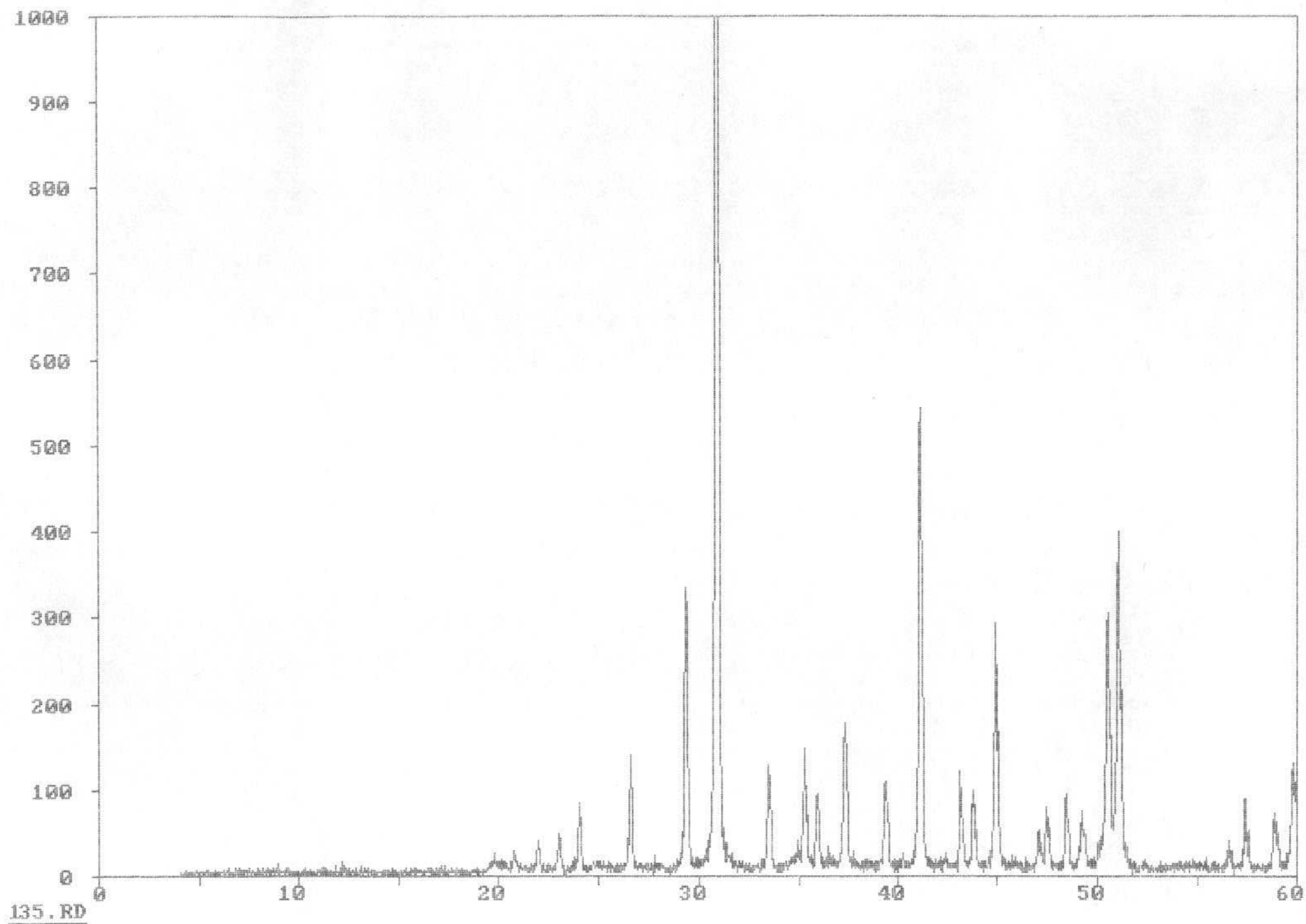
3-feb-93 13:25

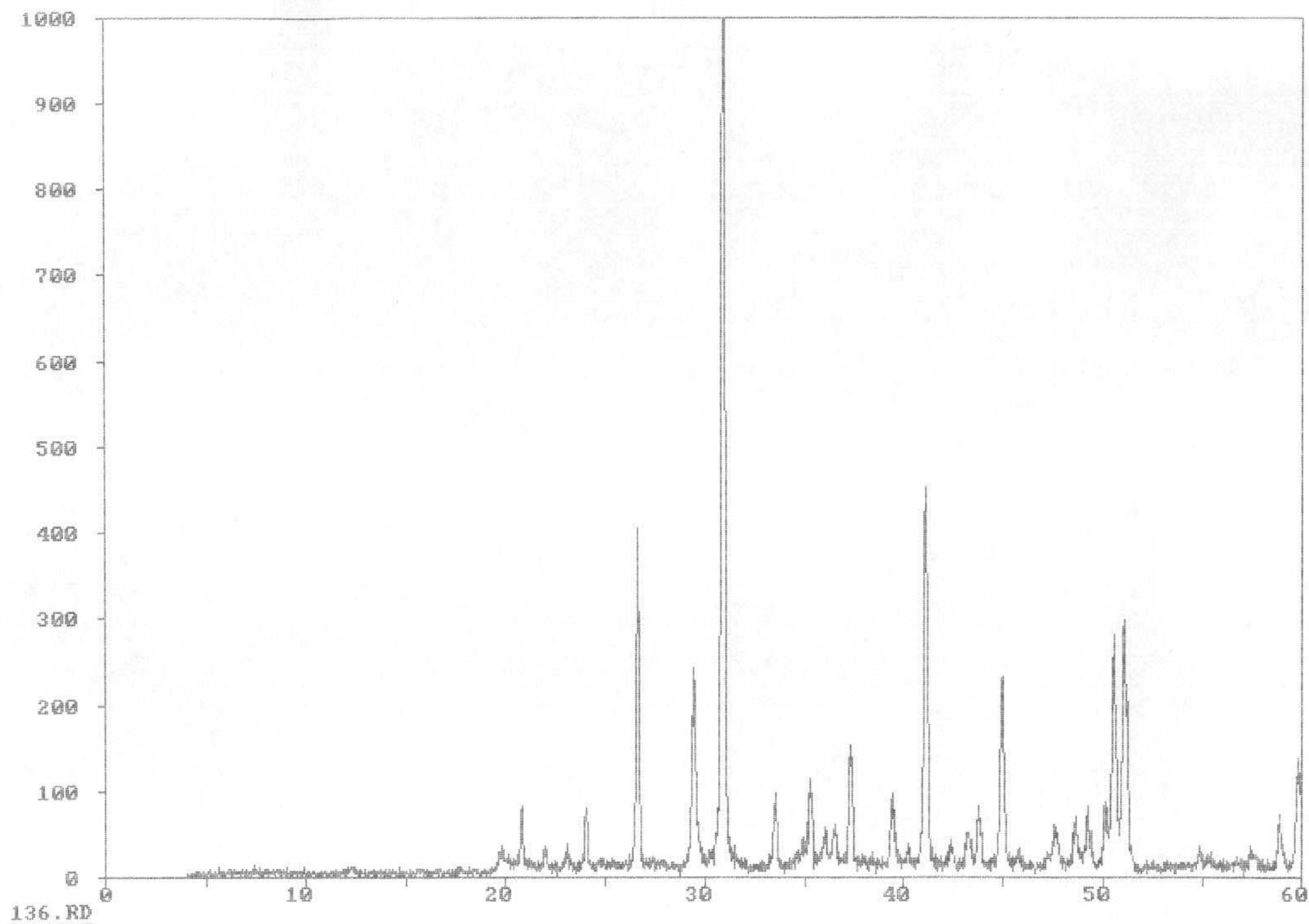
PHILIPS Analytical

PC-APD, Diffraction Software

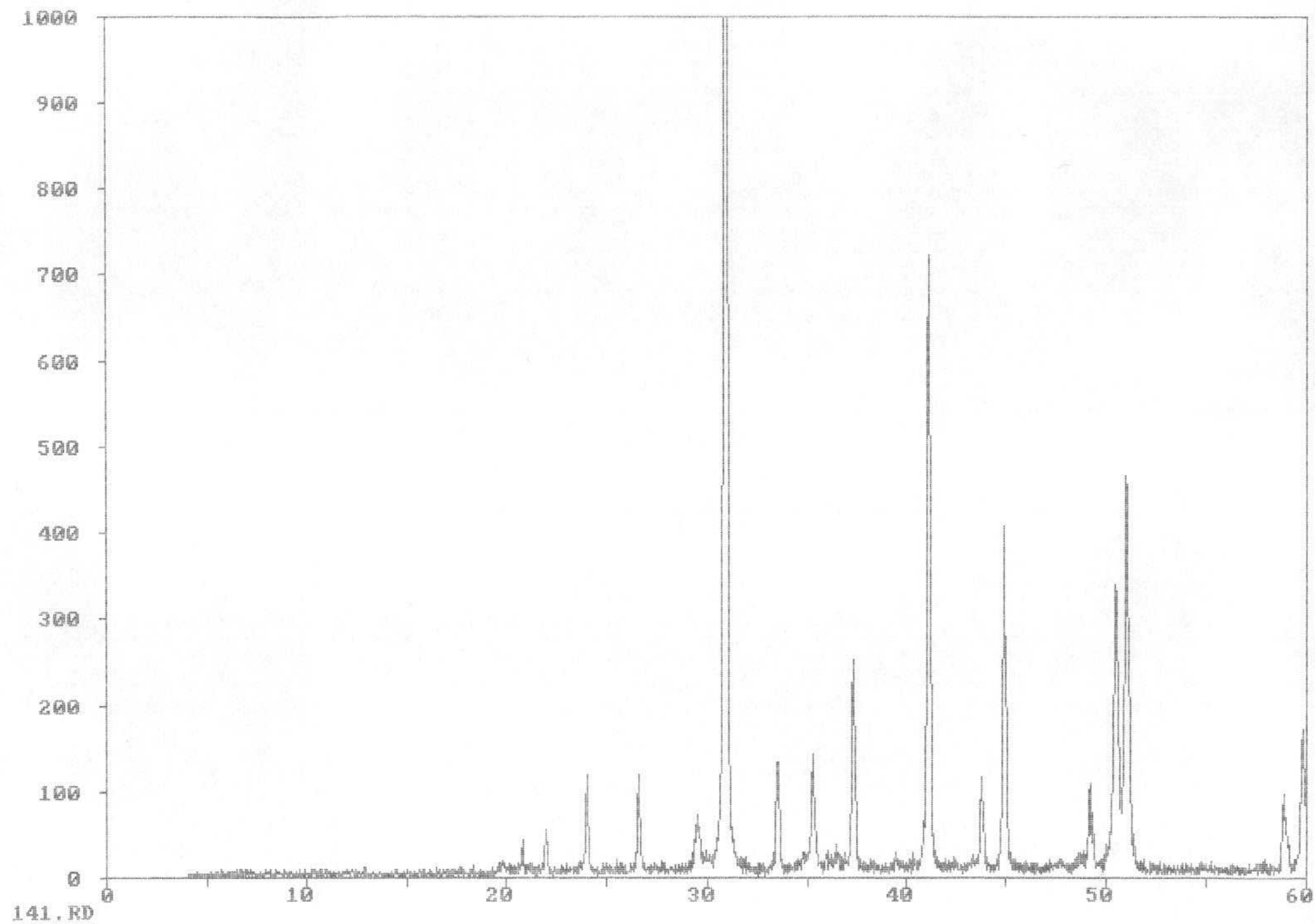
data file name: 152.RD 21-jan-93 8:41
diffractometer: PW1710
x-ray tube: Cu BF 40kV 40mA
wavelength(a1,a2): 1.54060 1.54438
monochromator: YES
divergence slit: AUT
irradiated length: 12 mm
receiving slit: 0.1
range 2theta: 4.000 - 60.000
step width, time: 0.020 0.50
peaks file name: 152.DI 3-feb-93 13:25
range d-value: 1.5406 - 22.0720
range tip width: 0.00 - 2.00
minimum significance: 2.42
conversion to: FIXED

peak no.	d-value (Ang)	angle (deg)	width (deg)	peak (cts)	backg (cts)	I/Imax (%)	significance
P 1	10.1499	8.705	0.800	110	7	14.06	4.94
P 2	4.4514	19.930	0.320	85	12	10.80	3.75
P 3	3.6905	24.095	0.320	42	19	5.39	2.68
P 4	3.3312	26.740	0.100	328	22	41.79	3.92
P 5	3.2015	27.845	0.480	58	23	7.37	3.25
P 6	2.8820	31.005	0.180	784	22	100.00	18.89
P 7	2.6655	33.595	0.240	32	18	4.14	2.91
P 8	2.5406	35.300	0.480	67	20	8.58	2.80
P 9	2.3995	37.450	0.200	74	22	9.43	2.87
P 10	2.1901	41.185	0.140	177	21	22.56	4.57
P 11	2.0607	43.900	0.240	20	20	2.58	2.78
P 12	2.0142	44.970	0.200	83	16	10.56	7.20
P 13	1.8452	49.350	0.240	20	12	2.58	2.87
P 14	1.8036	50.565	0.240	61	12	7.76	3.38
P 15	1.7852	51.125	0.280	85	13	10.80	6.84
P 16	1.6593	55.320	0.960	8	14	1.07	2.63

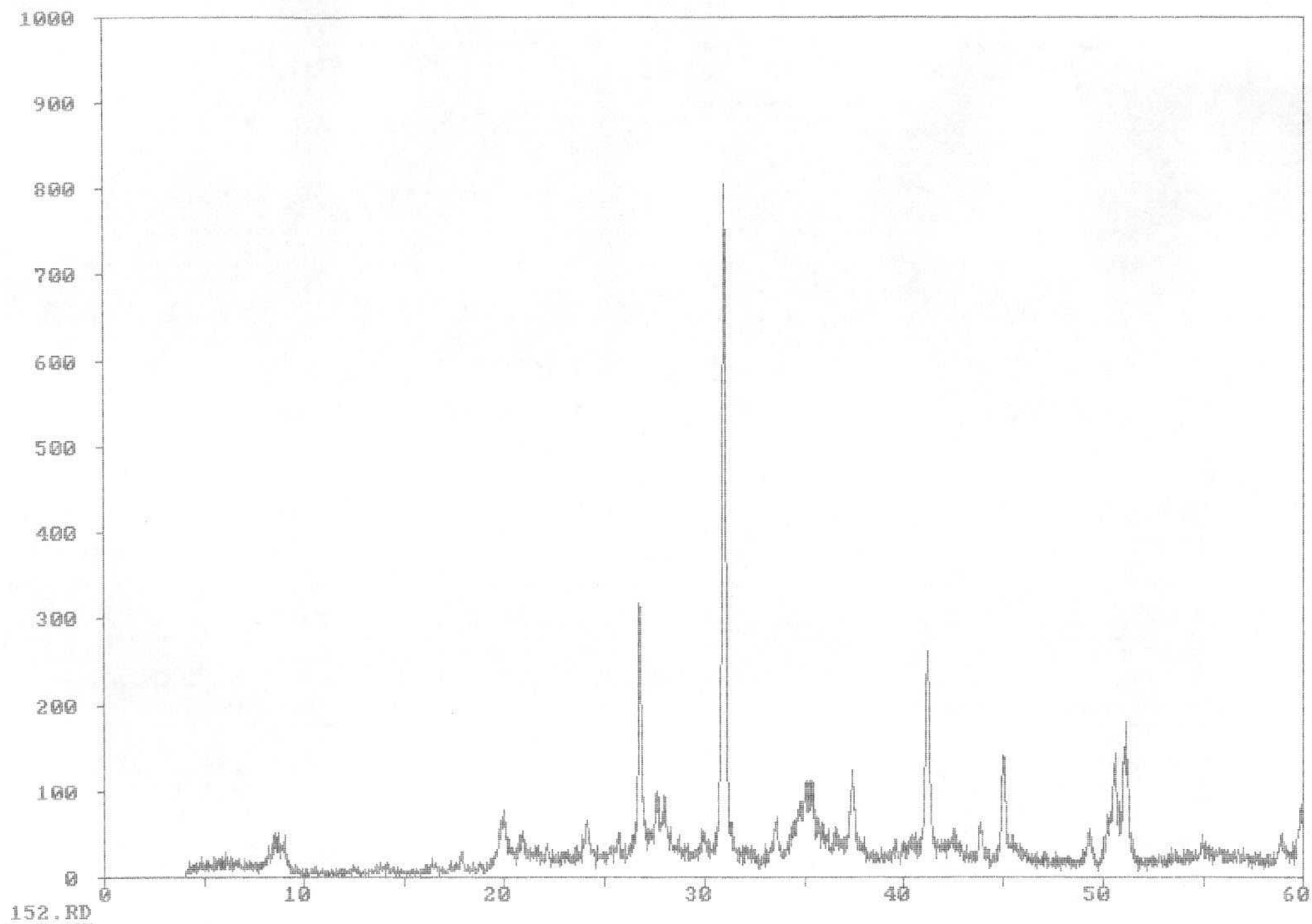




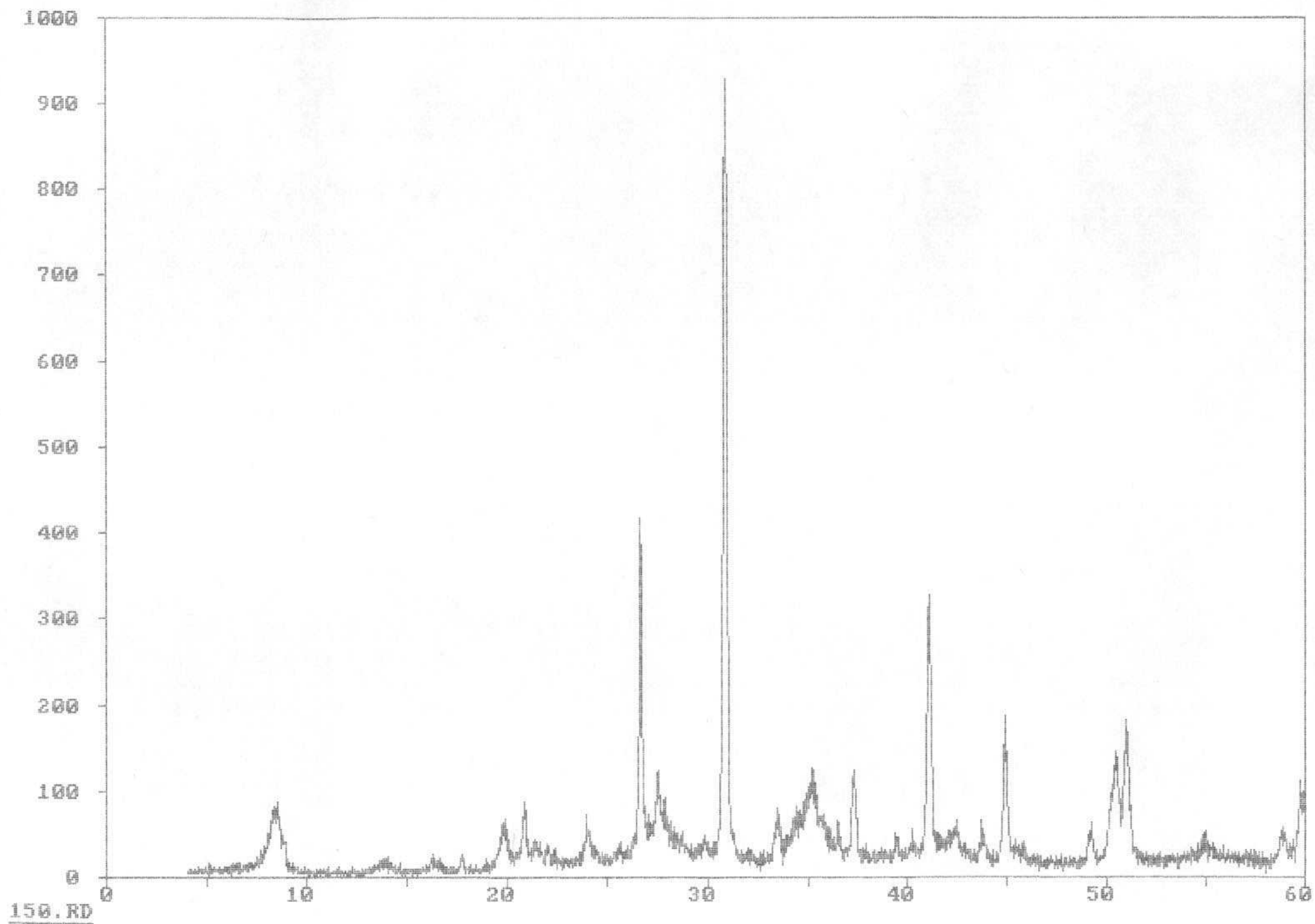
136.RD



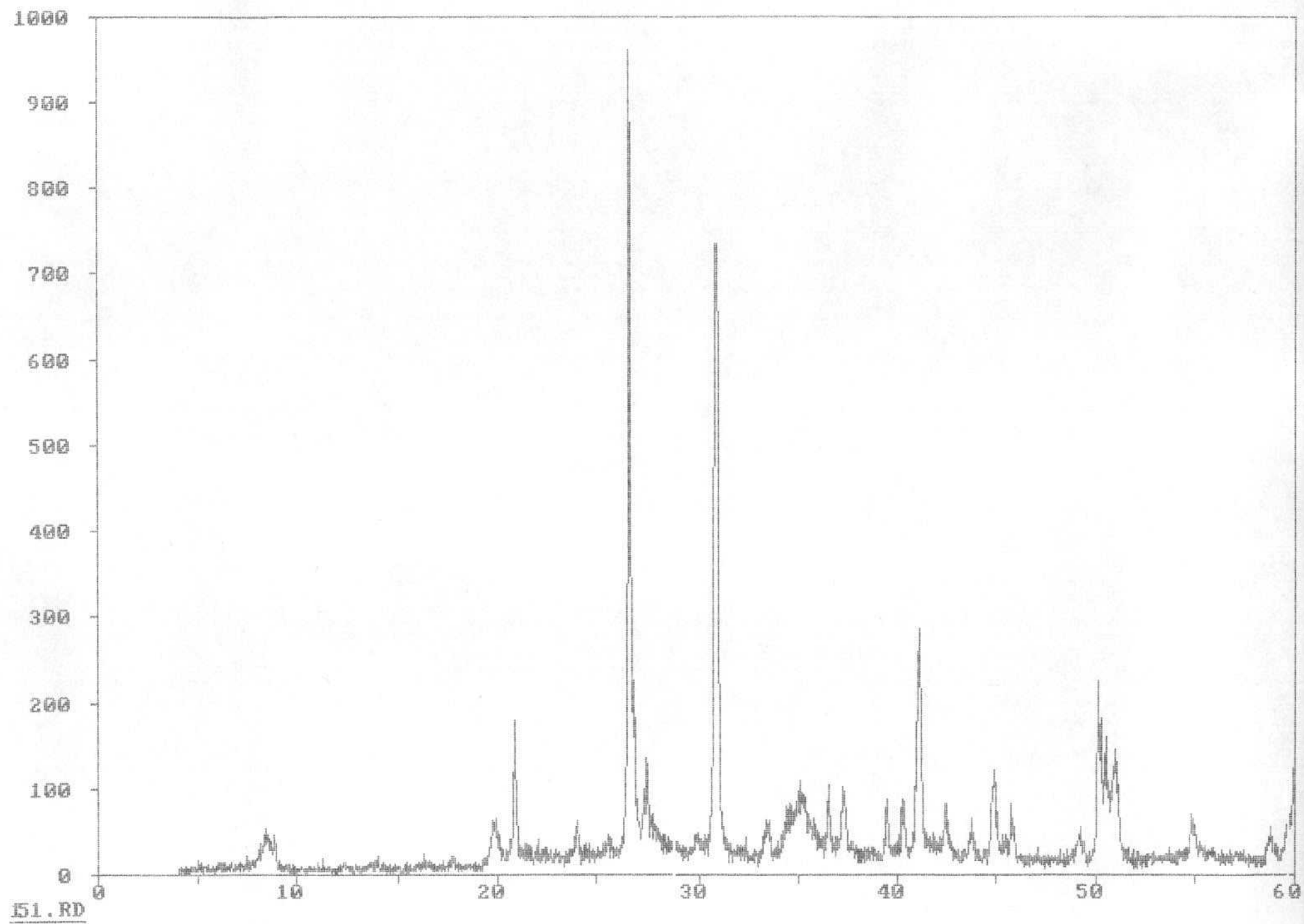
141.RD



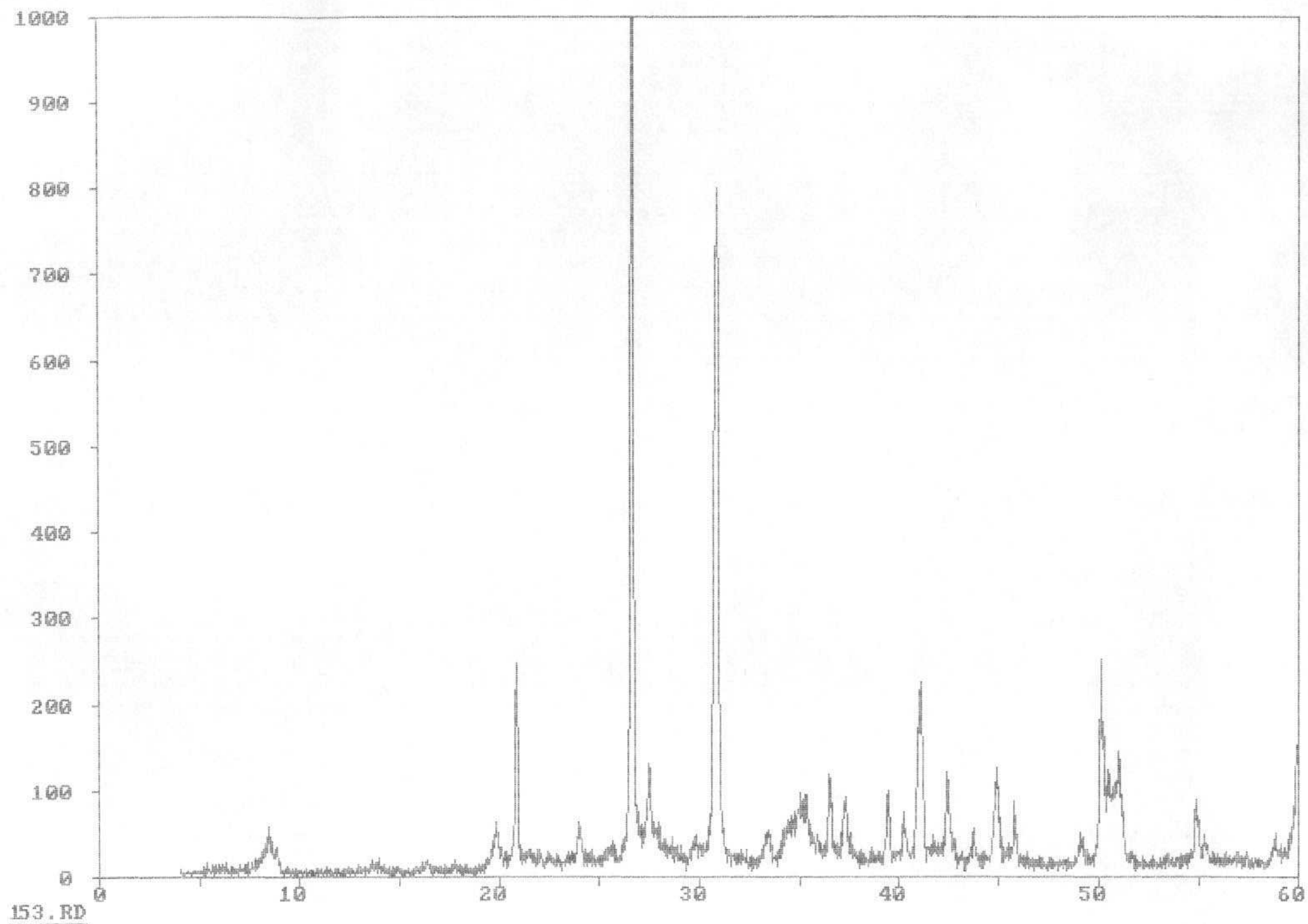
152.RD



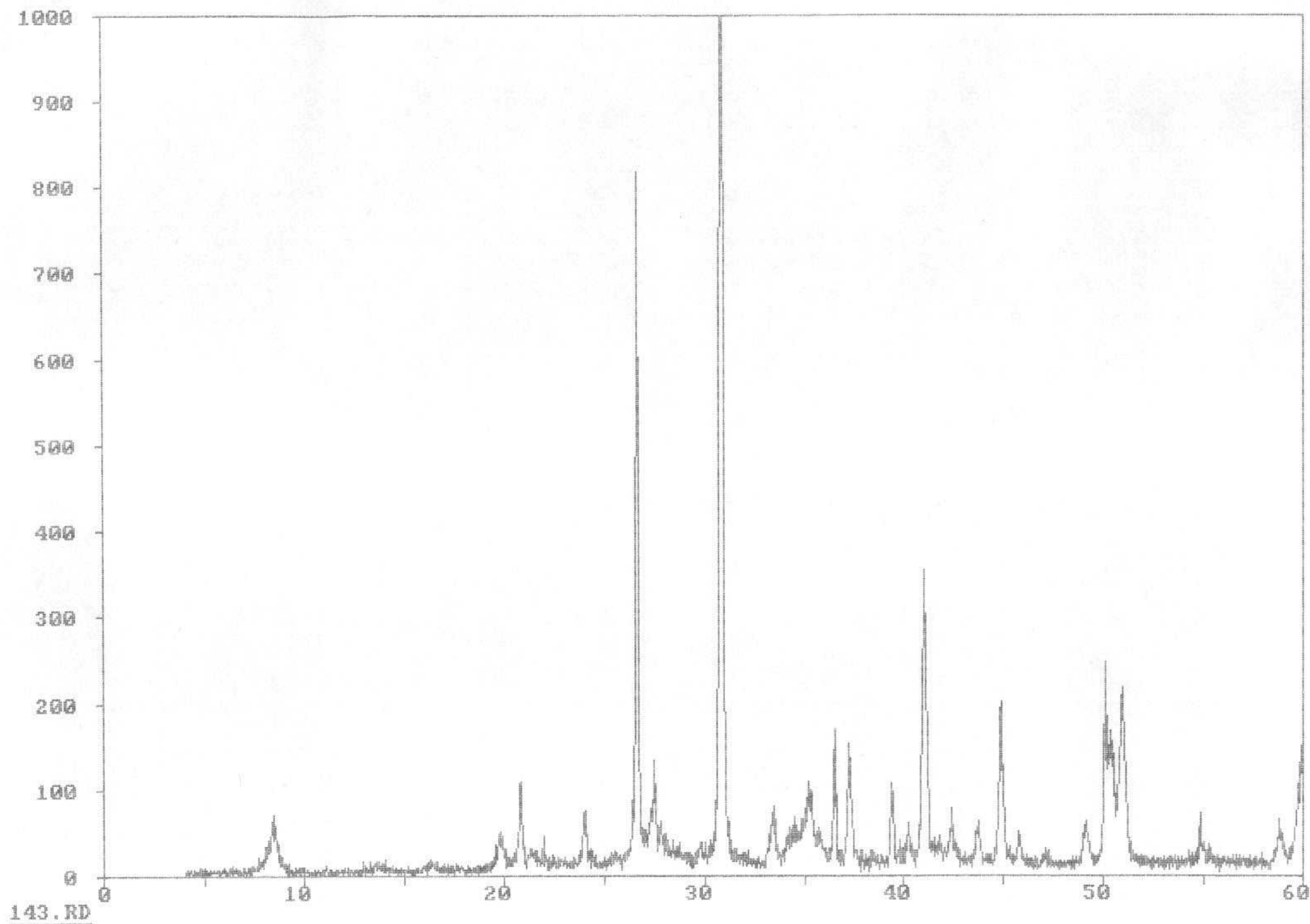
150.RD



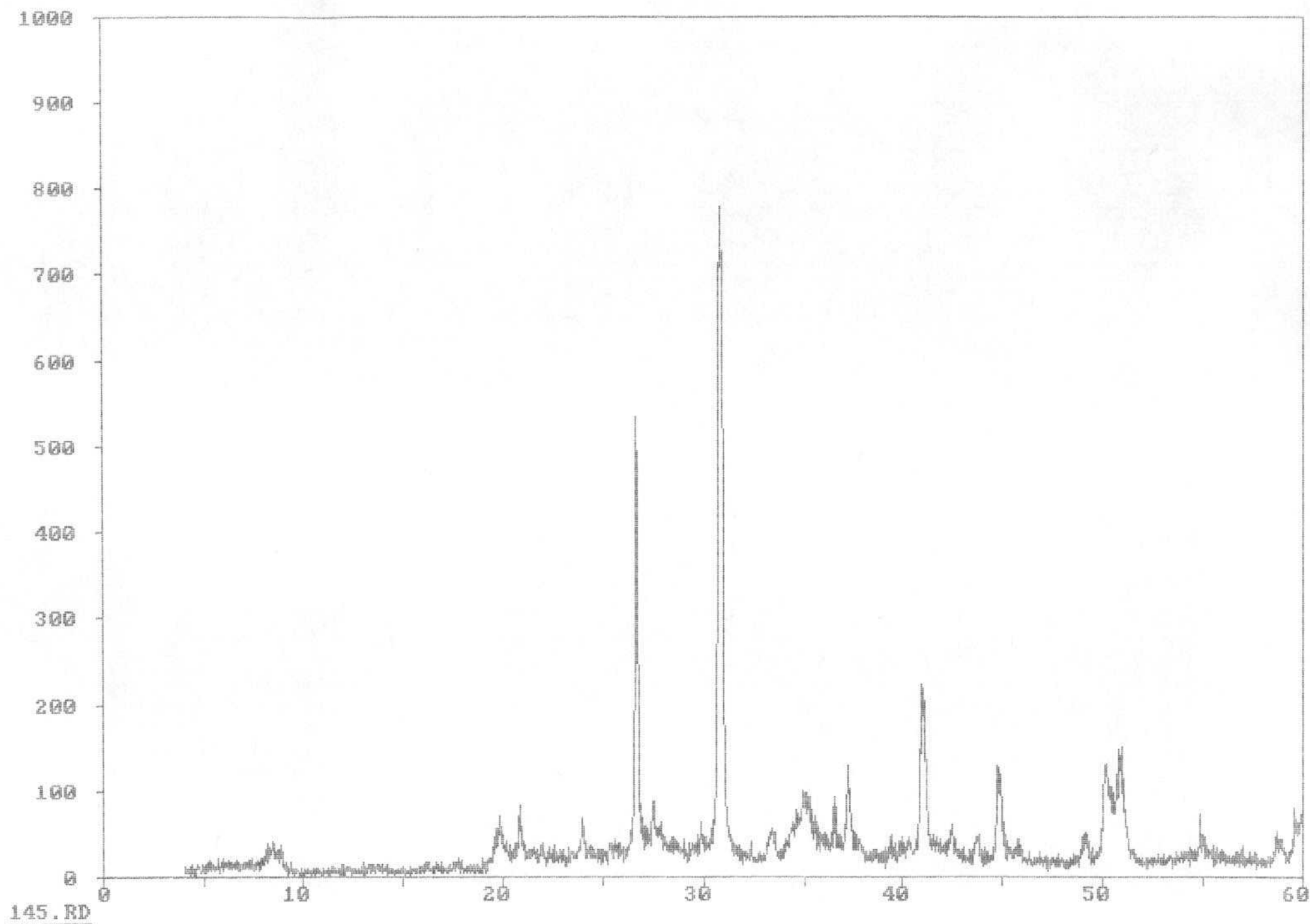
151.RD



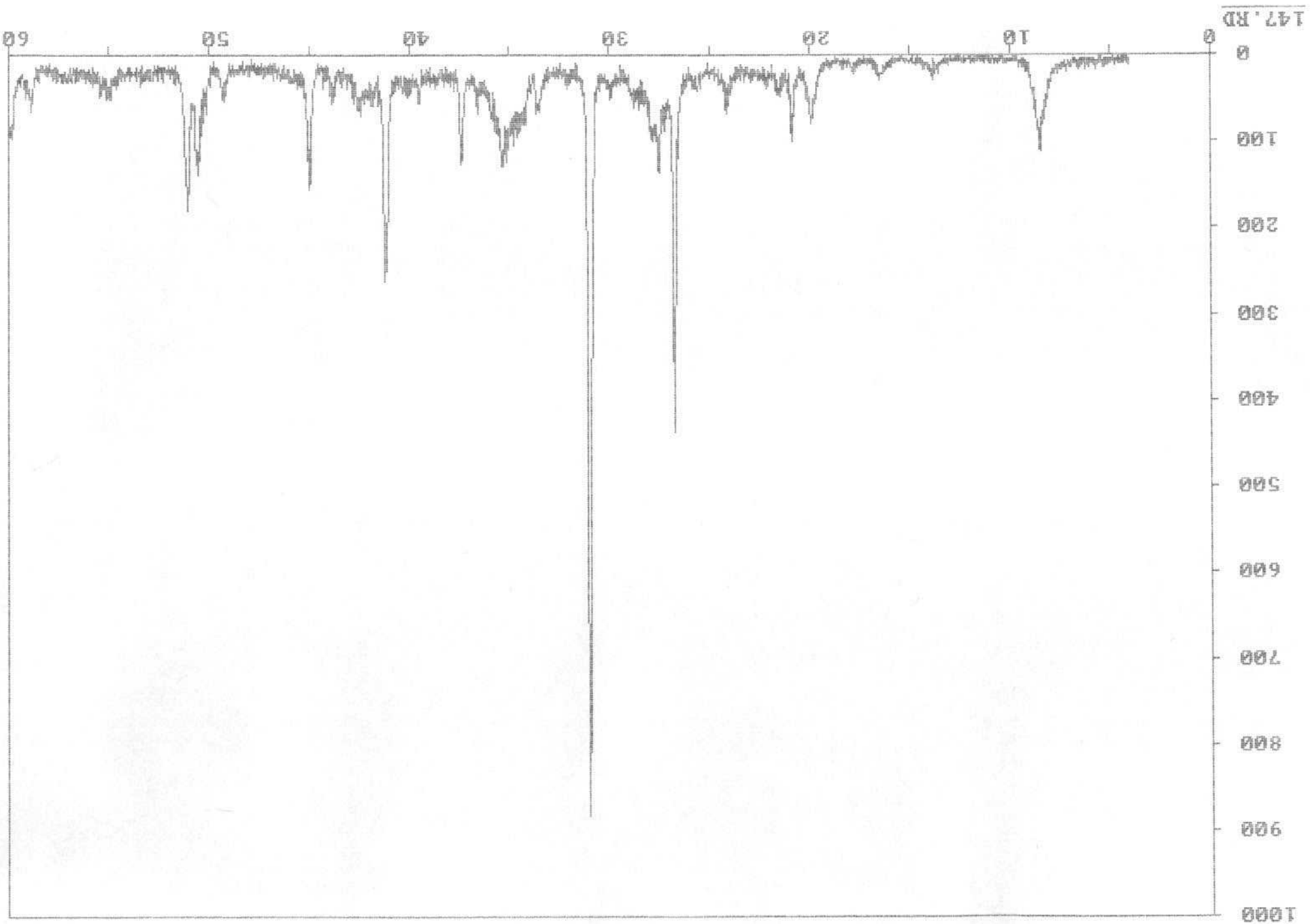
153.RD

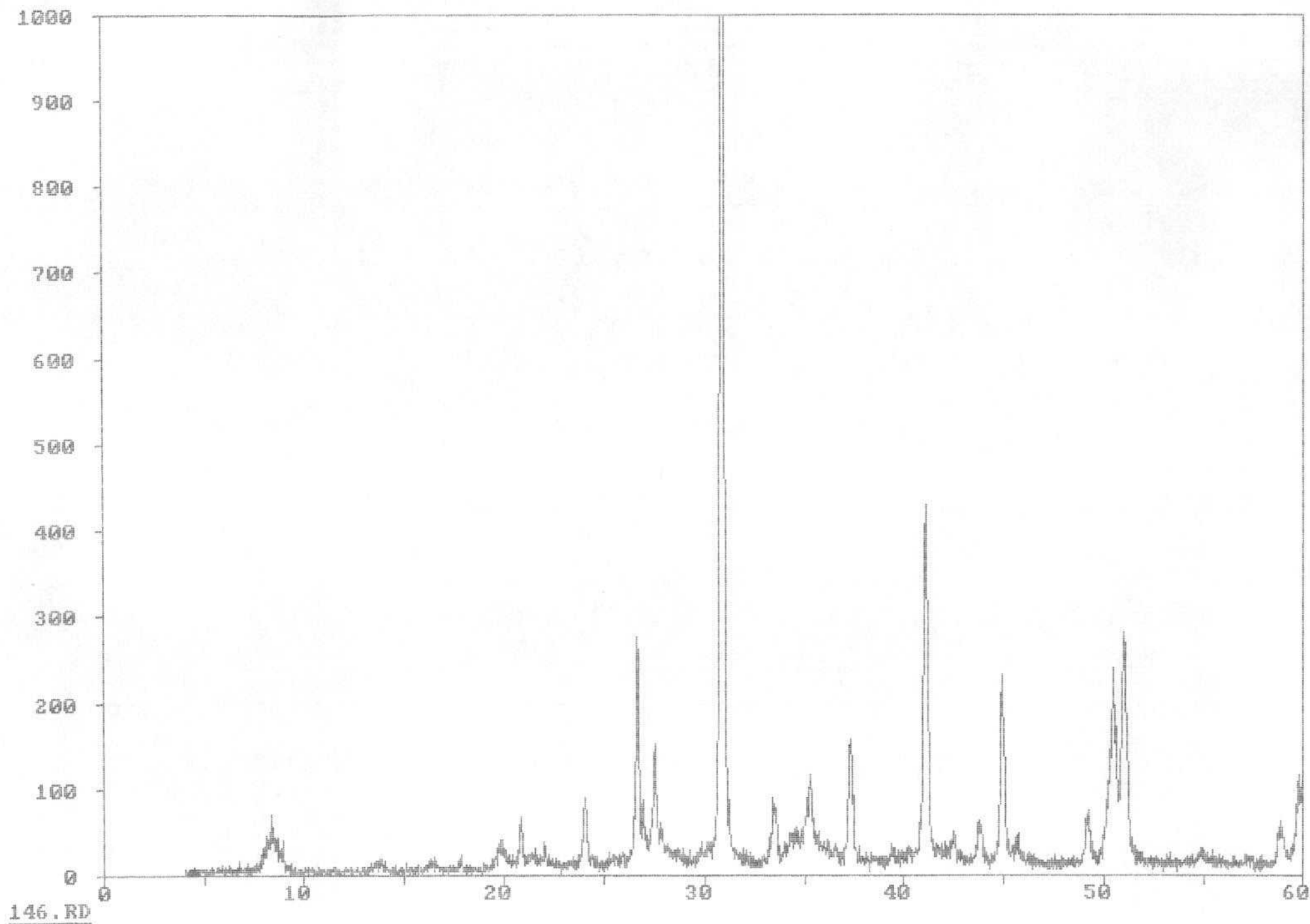


143.RD

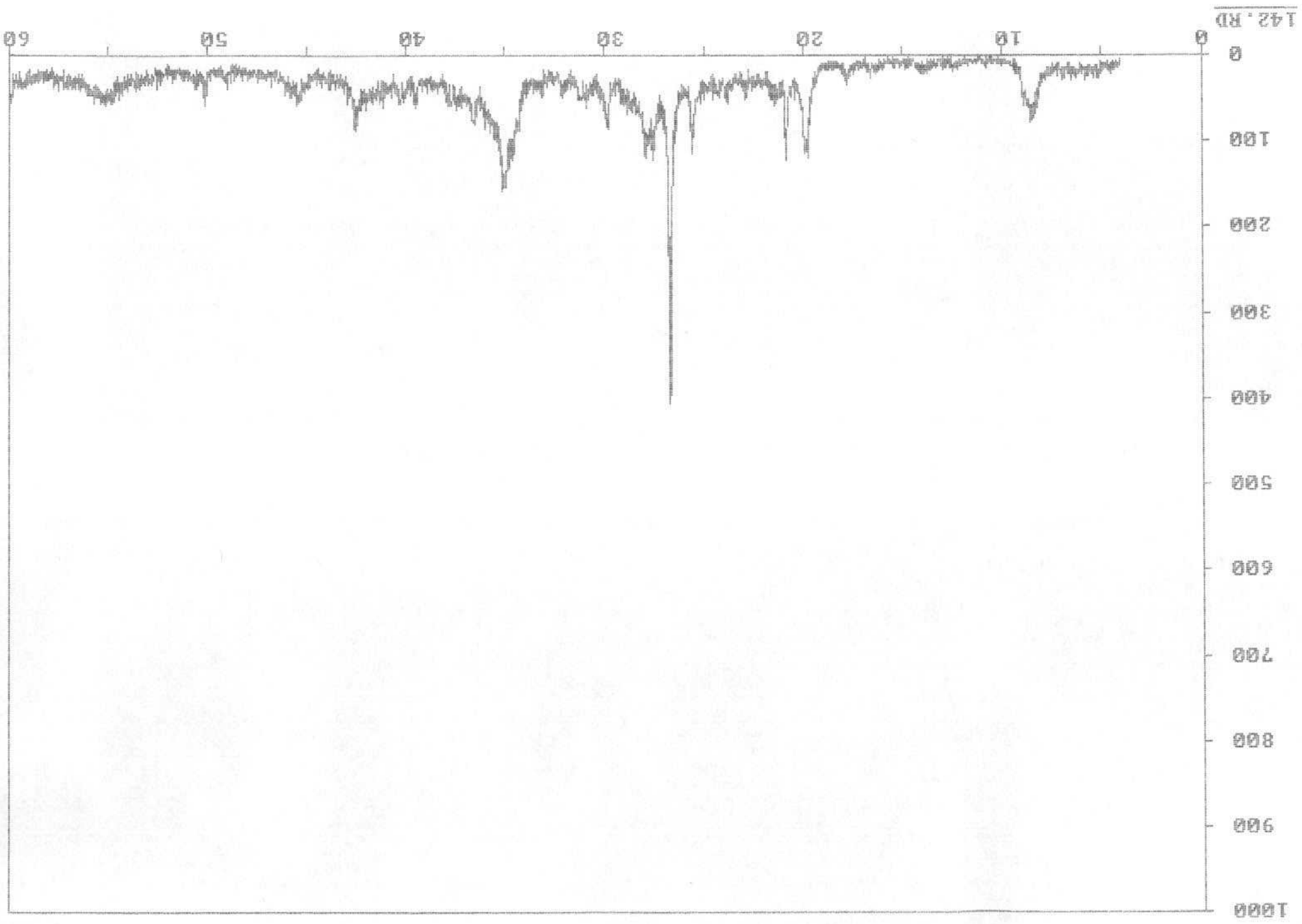


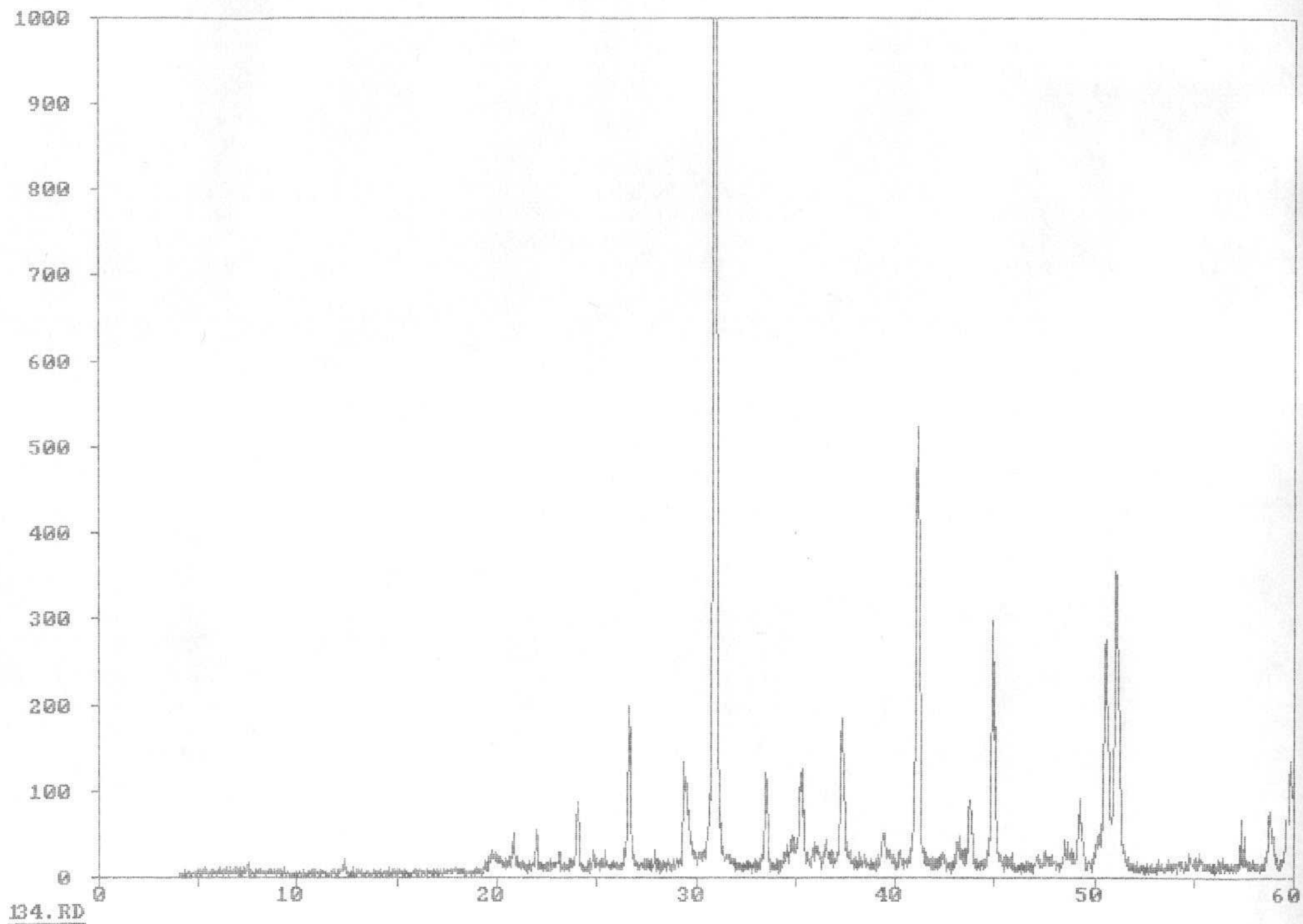
145.RD

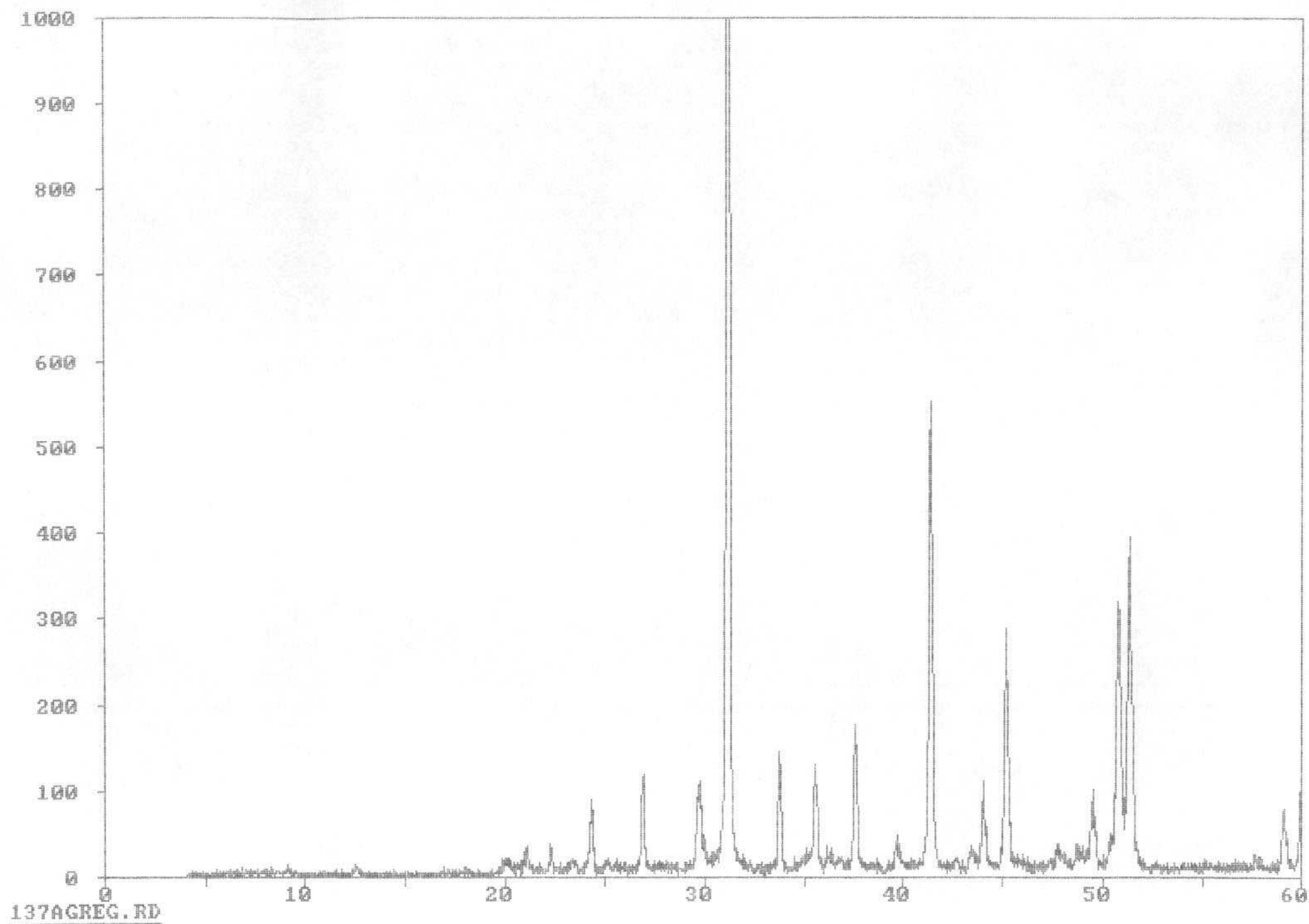




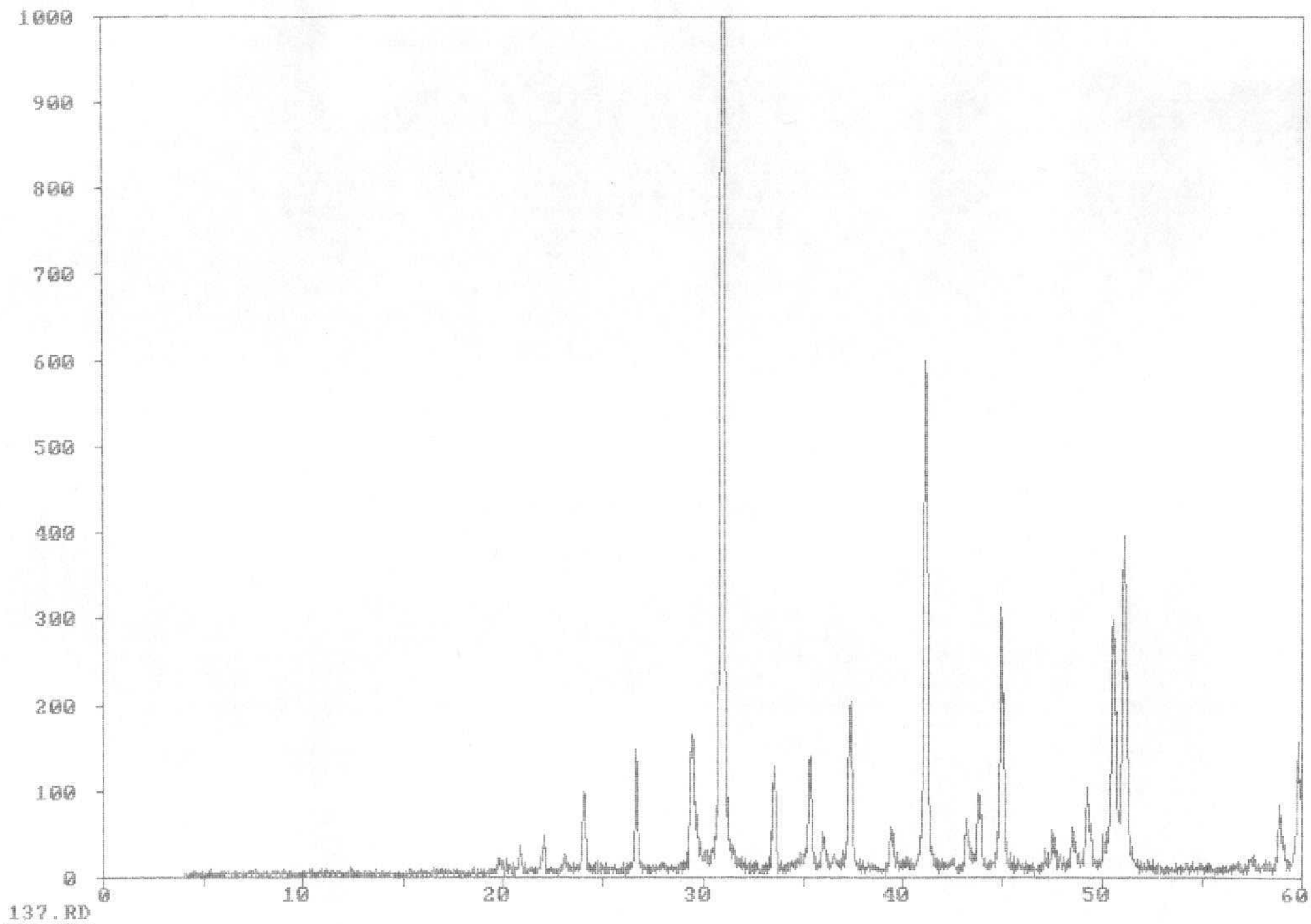
146.RD



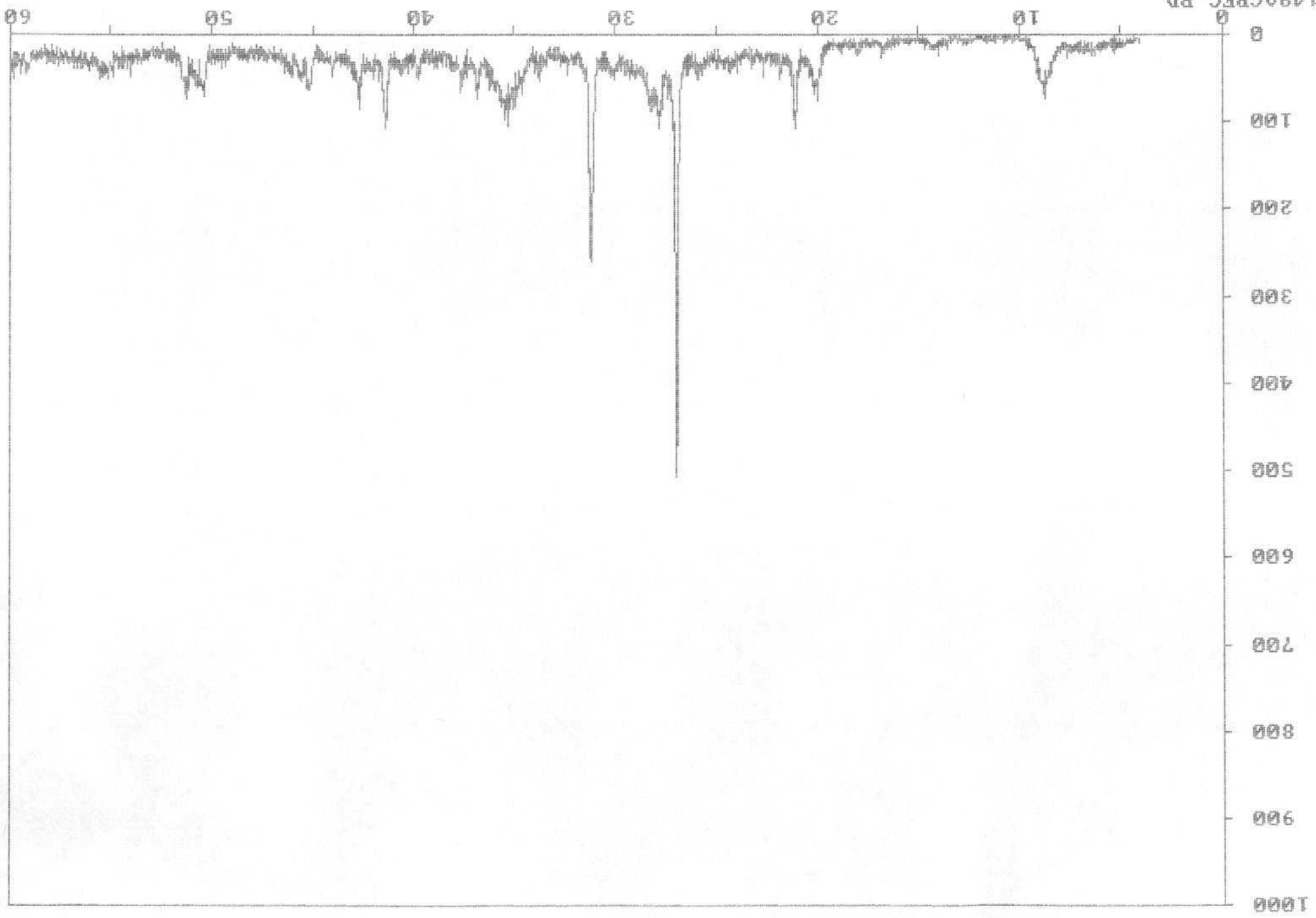


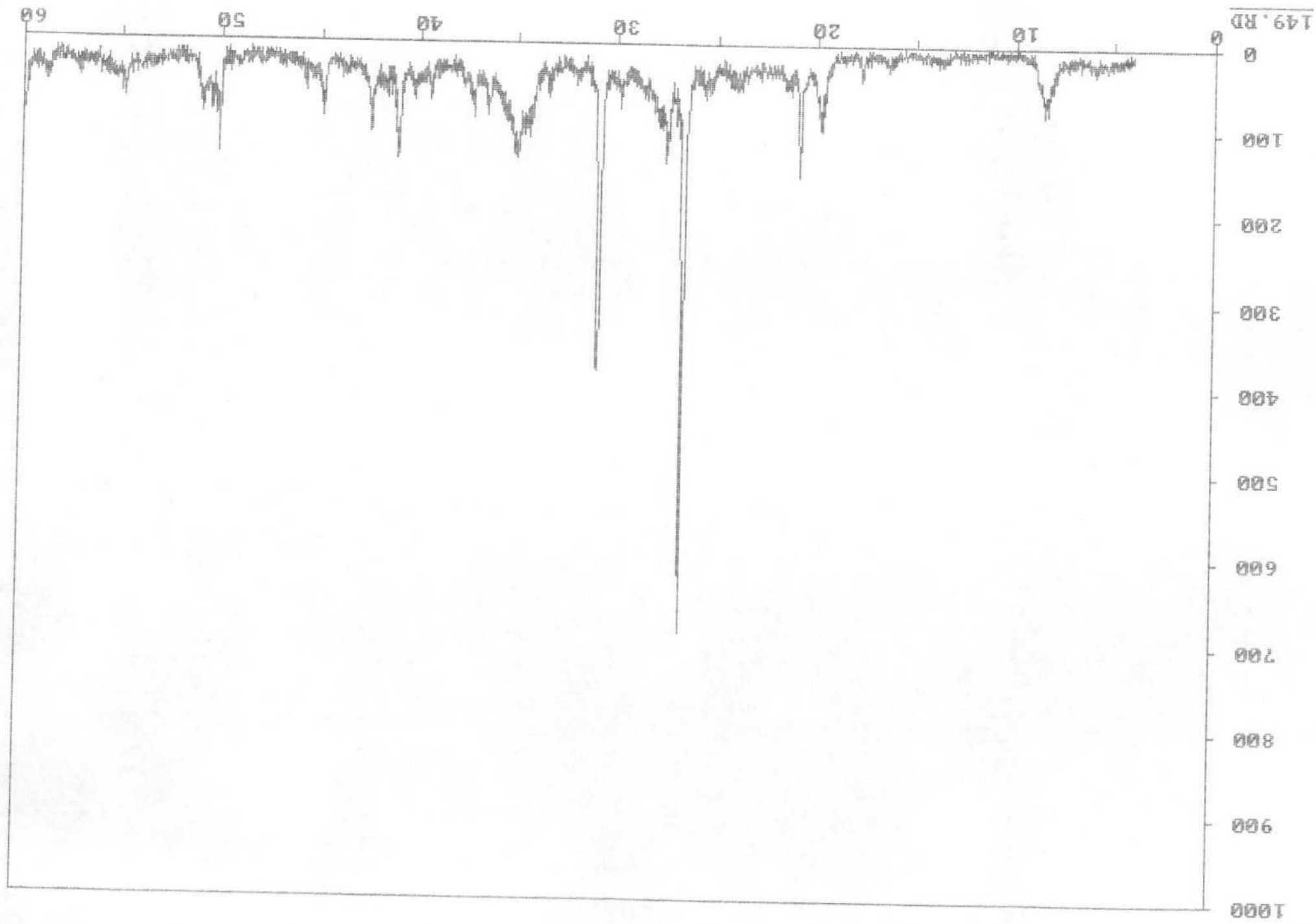


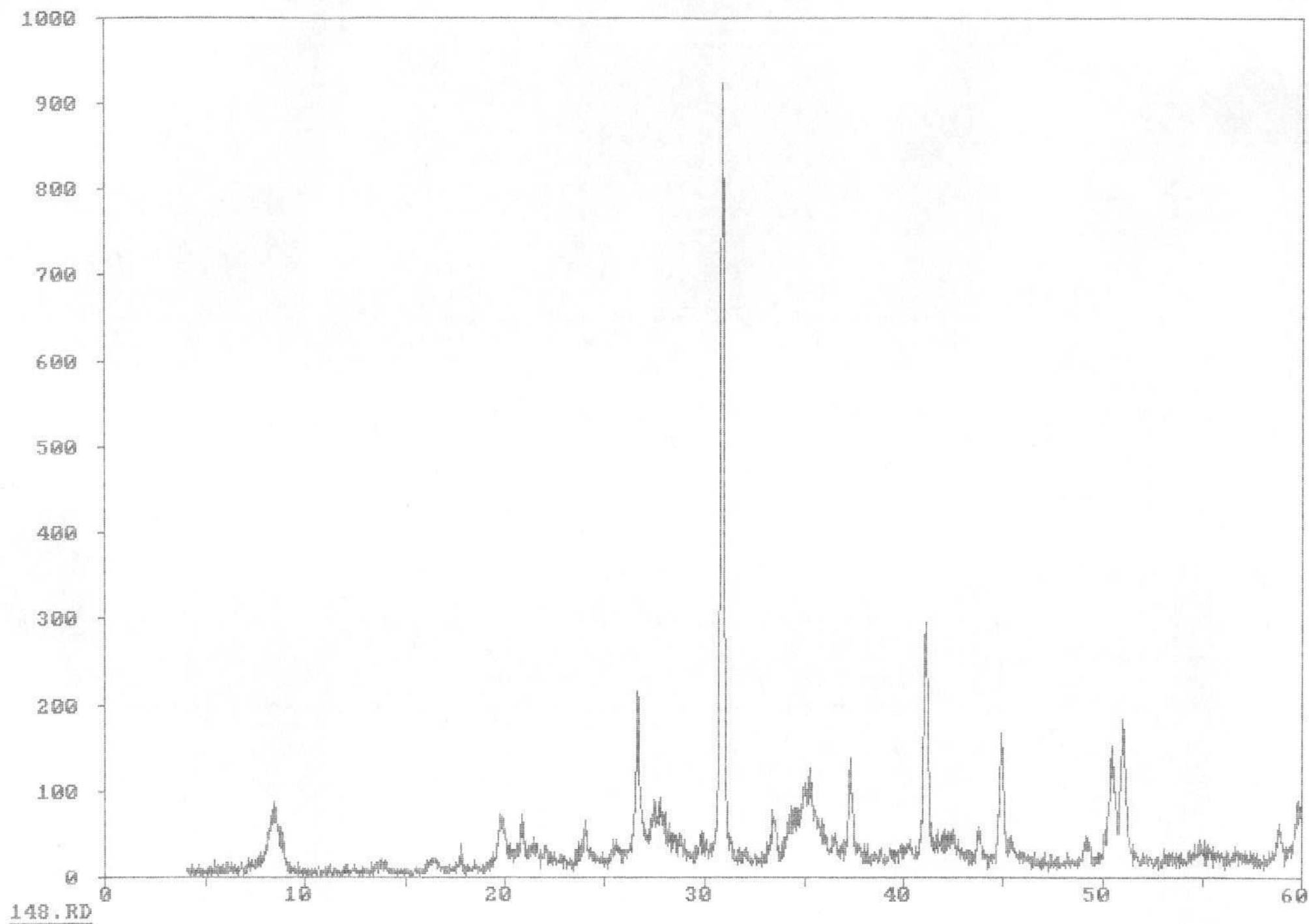
137AGREG.RD



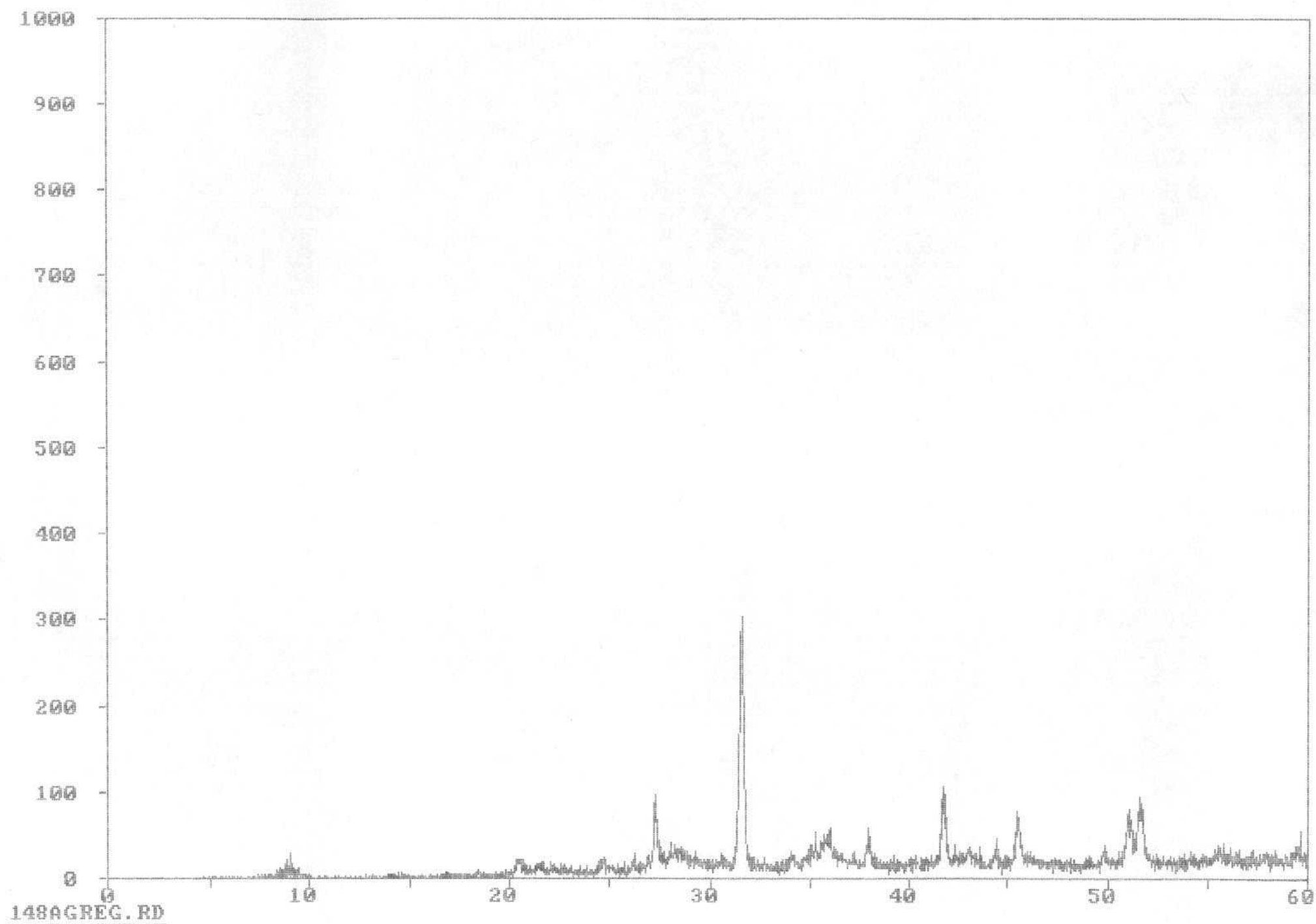
149ACREG.RD



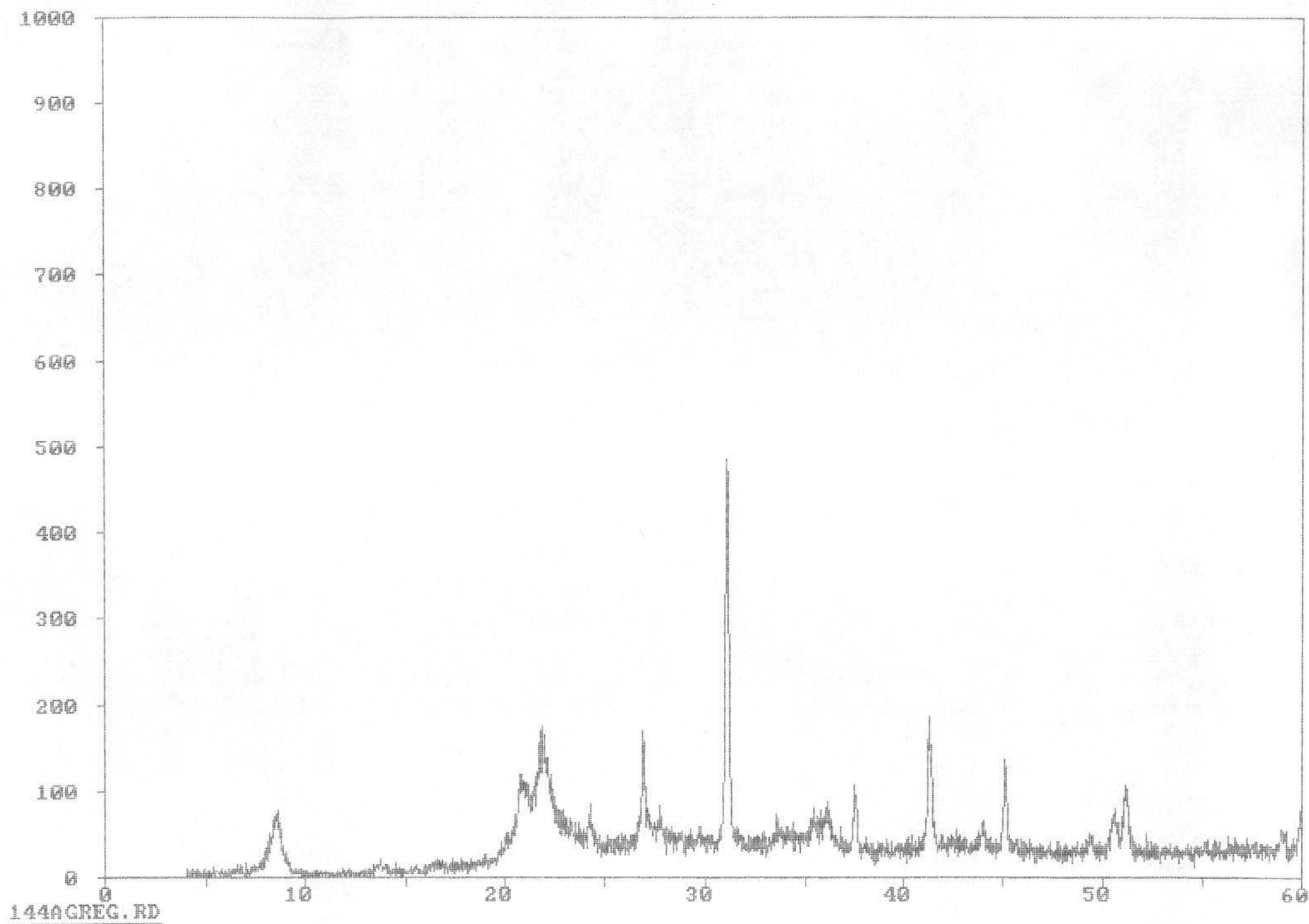




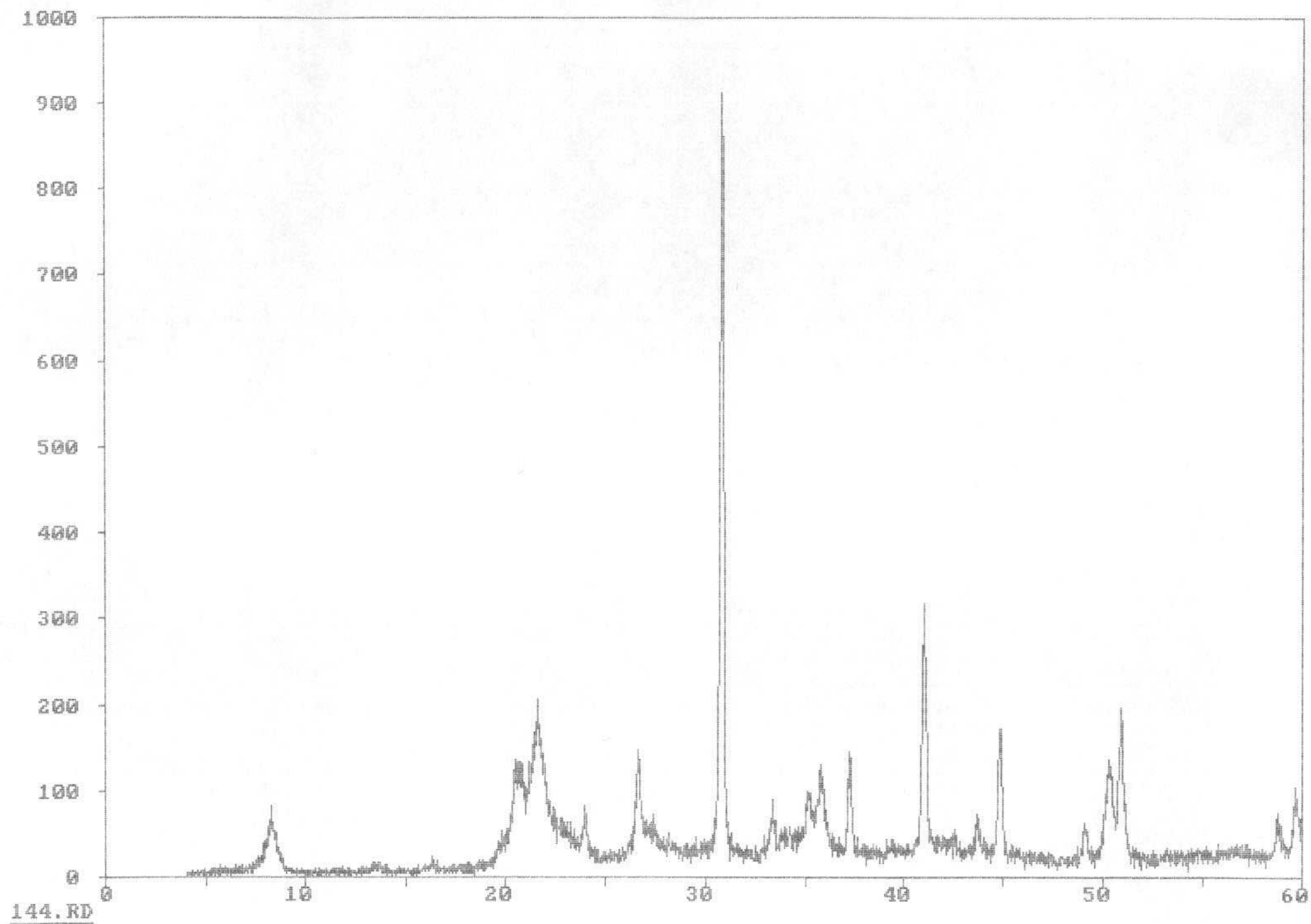
148.RD



148AGREG. RD



144AGREG. RD



144.RD

D = Dolomite

Q = Quartz

F = Feldspar

P = Pyroxene

C = Calcite

CH = Chert (Keokuk)