

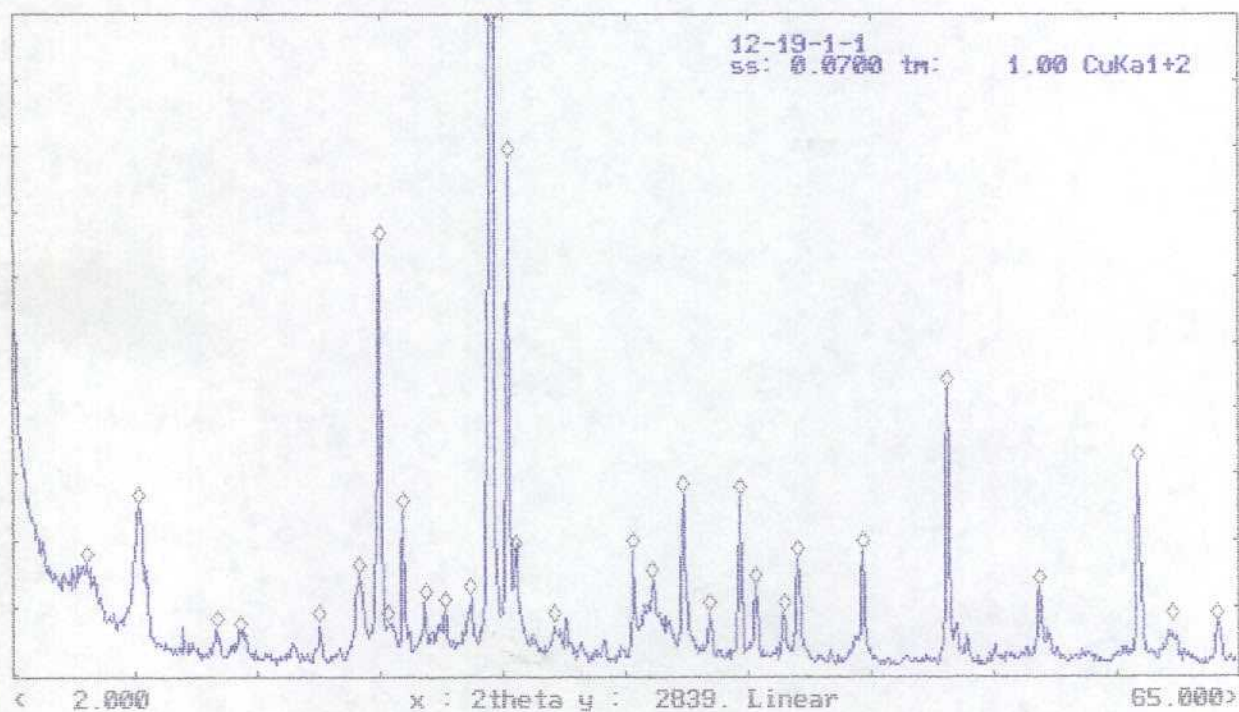
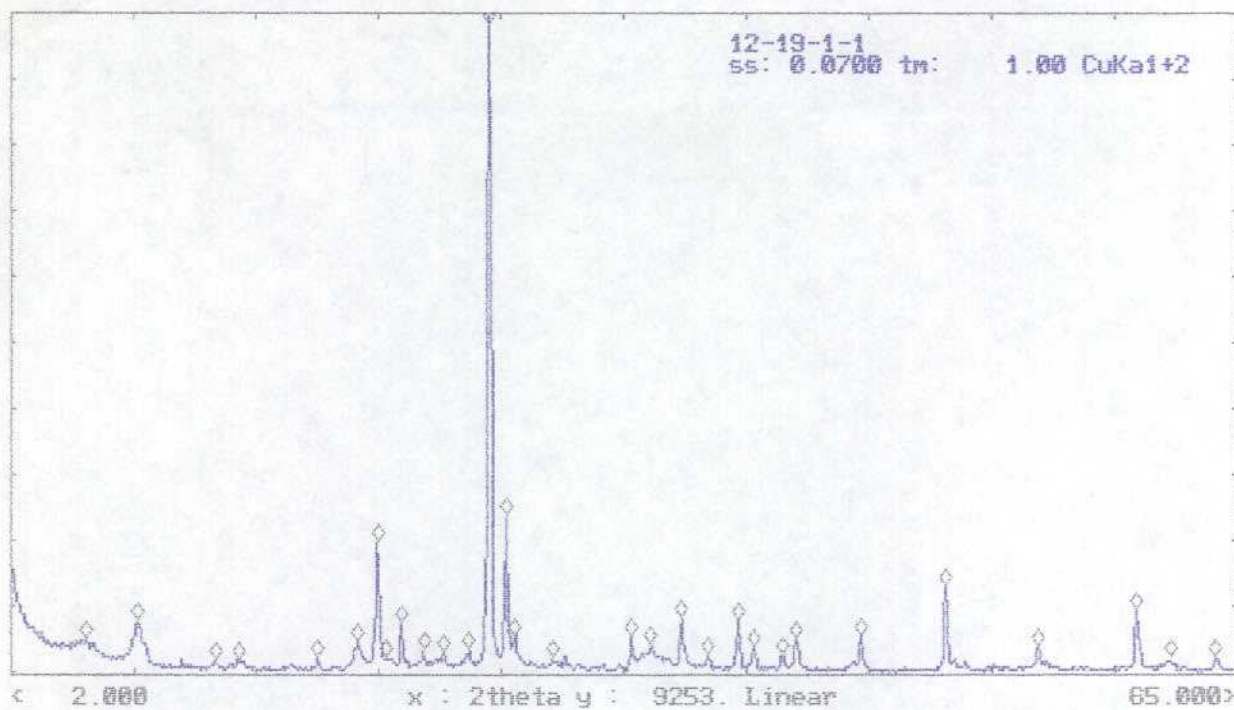
BARBADILLO (12 - 19)

DIFRACTOGRAMAS R-X

Sample: 12-19-1-1
Data file: 1-1.RAW

12-Jul-1991 01:47:09

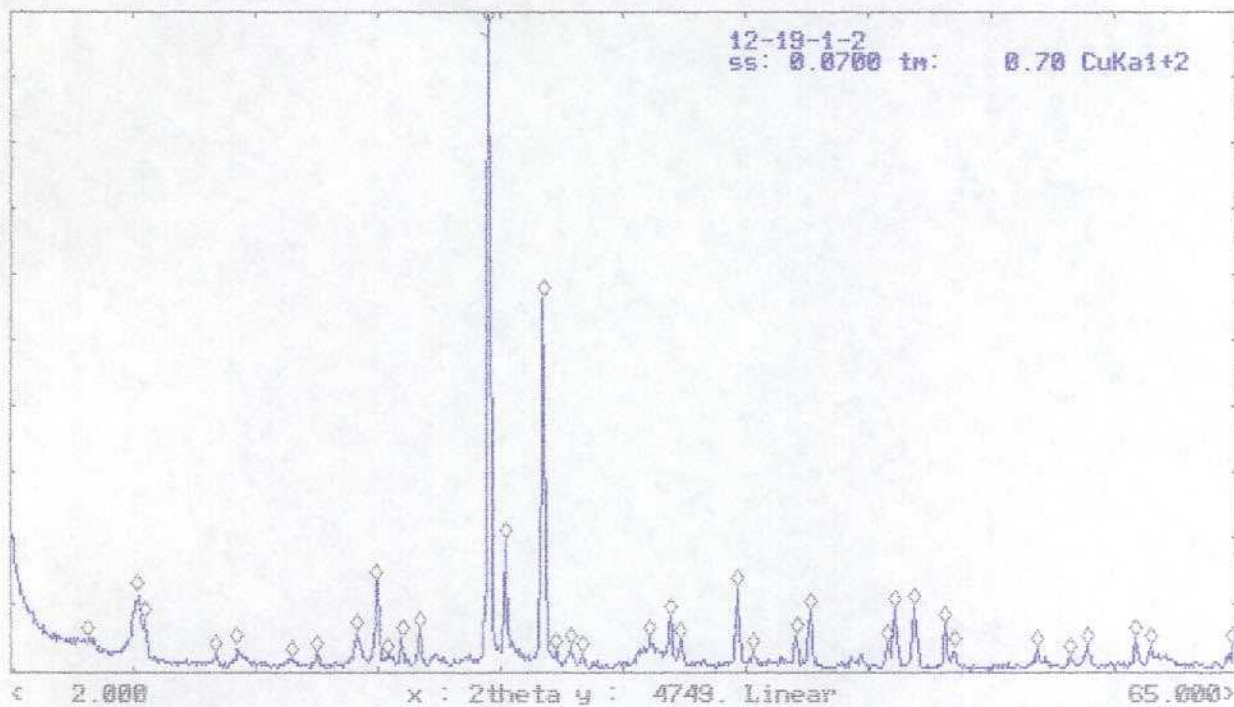
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.758	15.3358	5.20	13	26.671	3.3396	100.00
2	8.452	10.4531	7.88	14	27.516	3.2389	24.00
3	12.481	7.0861	2.17	7	20.881	4.2508	20.16
4	13.670	6.4724	2.00	26	50.160	1.8172	13.23
5	17.725	4.9998	2.40	28	59.992	1.5408	9.75
6	19.850	4.4692	4.67	19	36.539	2.4572	8.31
7	20.881	4.2508	20.16	21	39.458	2.2819	8.18
8	21.320	4.1642	2.40	2	8.452	10.4531	7.88
9	22.049	4.0281	7.65	9	22.049	4.0281	7.65
10	23.215	3.8284	3.46	17	33.986	2.6357	5.76
11	24.271	3.6642	3.02	25	45.797	1.9797	5.73
12	25.572	3.4806	3.62	15	27.912	3.1939	5.60
13	26.671	3.3396	100.00	24	42.487	2.1260	5.39
14	27.516	3.2389	24.00	1	5.758	15.3358	5.20
15	27.912	3.1939	5.60	6	19.850	4.4692	4.67
16	29.890	2.9869	2.40	18	34.976	2.5634	4.43
17	33.986	2.6357	5.76	22	40.320	2.2351	4.15
18	34.976	2.5634	4.43	27	54.893	1.6712	4.11
19	36.539	2.4572	8.31	12	25.572	3.4806	3.62
20	37.910	2.3714	2.93	10	23.215	3.8284	3.46
21	39.458	2.2819	8.18	11	24.271	3.6642	3.02
22	40.320	2.2351	4.15	20	37.910	2.3714	2.93
23	41.738	2.1624	2.92	23	41.738	2.1624	2.92
24	42.487	2.1260	5.39	30	64.046	1.4527	2.43
25	45.797	1.9797	5.73	29	61.736	1.5014	2.40
26	50.160	1.8172	13.23	15	29.890	2.9869	2.40
27	54.893	1.6712	4.11	5	17.725	4.9998	2.40
28	59.992	1.5408	9.75	8	21.320	4.1642	2.40
29	61.736	1.5014	2.40	3	12.481	7.0861	2.17
30	64.046	1.4527	2.43	4	13.670	6.4724	2.00



Sample: 12-19-1-2
Data file: 1-2.RAW

12-Jul-1991 01:59:42

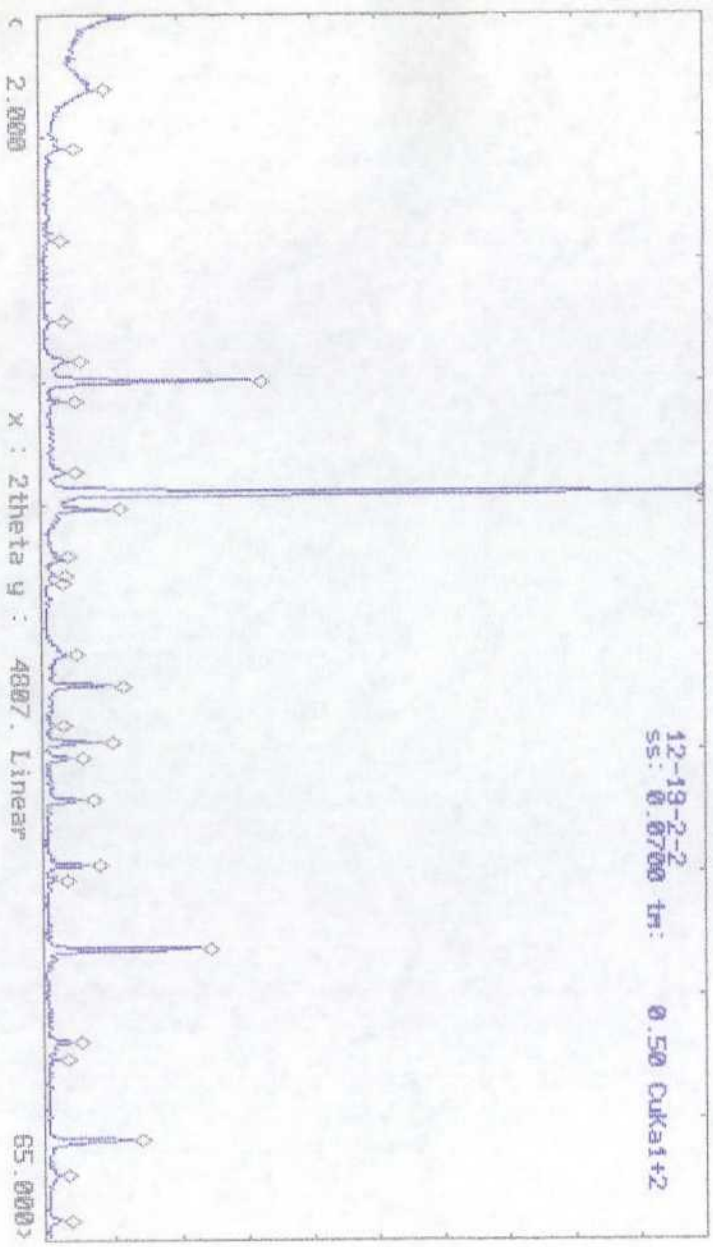
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.857	15.0770	5.20	13	26.649	3.3423	100.00
2	8.429	10.4821	12.00	15	29.459	3.0296	56.81
3	8.835	10.0006	7.94	14	27.515	3.2391	20.19
4	12.519	7.0650	2.76	9	20.791	4.2689	13.60
5	13.571	6.5193	4.00	22	39.488	2.2802	12.93
6	16.416	5.3955	2.15	2	8.429	10.4821	12.00
7	17.725	4.9998	2.80	28	48.592	1.8722	10.19
8	19.849	4.4694	6.13	27	47.591	1.9092	9.50
9	20.791	4.2689	13.60	25	43.202	2.0924	9.29
10	21.338	4.1607	2.46	20	36.011	2.4920	8.30
11	22.146	4.0107	5.10	3	8.835	10.0006	7.94
12	23.053	3.8549	6.57	29	50.166	1.8170	7.03
13	26.649	3.3423	100.00	12	23.053	3.8549	6.57
14	27.515	3.2391	20.19	8	19.849	4.4694	6.13
15	29.459	3.0296	56.81	24	42.514	2.1246	5.60
16	30.085	2.9680	3.26	34	59.976	1.5412	5.33
17	30.840	2.8971	3.96	1	5.857	15.0770	5.20
18	31.513	2.8367	2.72	11	22.146	4.0107	5.10
19	34.964	2.5642	5.01	19	34.964	2.5642	5.01
20	36.011	2.4920	8.30	21	36.527	2.4580	4.76
21	36.527	2.4580	4.76	26	47.185	1.9246	4.27
22	39.488	2.2802	12.93	36	64.871	1.4362	4.11
23	40.315	2.2354	3.18	5	13.571	6.5193	4.00
24	42.514	2.1246	5.60	33	57.457	1.6026	3.96
25	43.202	2.0924	9.29	17	30.840	2.8971	3.96
26	47.185	1.9246	4.27	35	60.715	1.5242	3.87
27	47.591	1.9092	9.50	30	50.659	1.8005	3.60
28	48.592	1.8722	10.19	31	54.900	1.6710	3.43
29	50.166	1.8170	7.03	16	30.085	2.9680	3.26
30	50.659	1.8005	3.60	23	40.315	2.2354	3.18
31	54.900	1.6710	3.43	7	17.725	4.9998	2.80
32	56.586	1.6252	2.53	4	12.519	7.0650	2.76
33	57.457	1.6026	3.96	18	31.513	2.8367	2.72
34	59.976	1.5412	5.33	32	56.586	1.6252	2.53
35	60.715	1.5242	3.87	10	21.338	4.1607	2.46
36	64.871	1.4362	4.11	6	16.416	5.3955	2.15

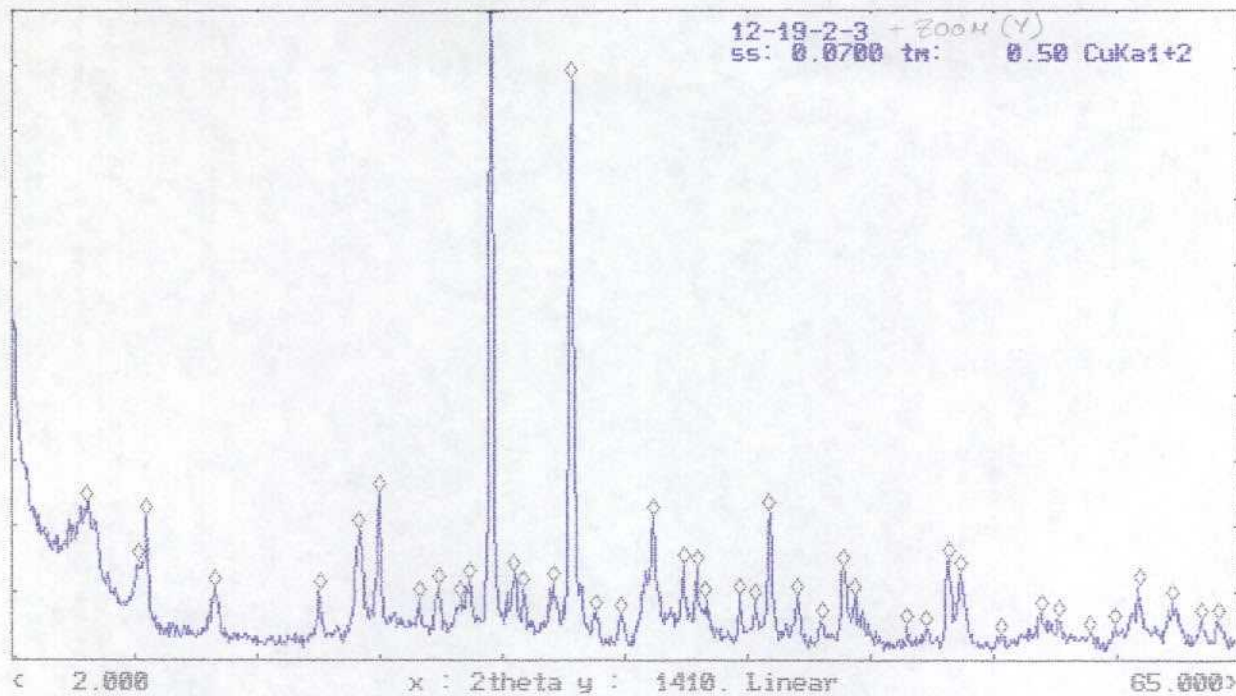


Sample: 12-19-2-2
Data file: 2-2.RAW

12-Jul-1991 02:12:30

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.778	15.2825	7.88	9	26.617	3.3463	100.00
2	8.808	10.0313	3.62	6	20.851	4.2569	31.18
3	13.615	6.4988	1.58	22	50.153	1.8175	23.22
4	17.770	4.9874	2.02	25	59.960	1.5415	12.90
5	19.832	4.4732	4.24	15	36.580	2.4545	10.34
6	20.851	4.2569	31.18	10	27.443	3.2474	9.90
7	21.900	4.0553	3.74	17	39.501	2.2795	8.61
8	25.565	3.4815	3.56	1	5.778	15.2825	7.88
9	26.617	3.3463	100.00	20	45.827	1.9785	6.99
10	27.443	3.2474	9.90	19	42.461	2.1272	5.95
11	29.860	2.9898	2.50	18	40.298	2.2362	4.47
12	30.840	2.8970	2.12	5	19.832	4.4732	4.24
13	31.260	2.8591	1.60	23	54.899	1.6711	3.91
14	34.952	2.5651	3.52	7	21.900	4.0553	3.74
15	36.580	2.4545	10.34	2	8.808	10.0313	3.62
16	38.610	2.3300	1.50	8	25.565	3.4815	3.56
17	39.501	2.2795	8.61	14	34.952	2.5651	3.52
18	40.298	2.2362	4.47	11	29.860	2.9898	2.50
19	42.461	2.1272	5.95	27	64.083	1.4519	2.31
20	45.827	1.9785	6.99	12	30.840	2.8970	2.12
21	46.570	1.9486	1.87	24	55.760	1.6473	2.08
22	50.153	1.8175	23.22	26	61.779	1.5004	2.02
23	54.899	1.6711	3.91	4	17.770	4.9874	2.02
24	55.760	1.6473	2.08	21	46.570	1.9486	1.87
25	59.960	1.5415	12.90	13	31.260	2.8591	1.60
26	61.779	1.5004	2.02	3	13.615	6.4988	1.58
27	64.083	1.4519	2.31	16	38.610	2.3300	1.50





Sample: 12-19-2-3
Data file: 2-3.RAW

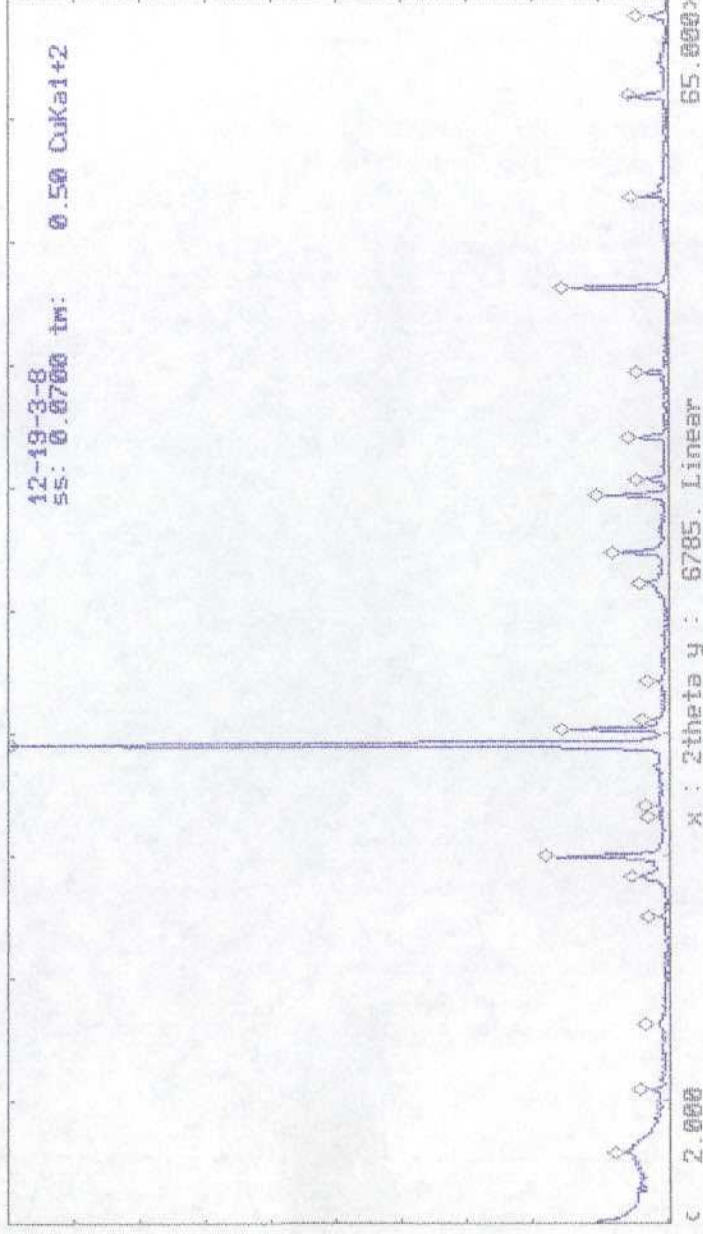
12-Jul-1991 03:31:40

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.758	15.3358	23.60	12	26.704	3.3356	100.00
2	8.429	10.4821	14.80	16	30.818	2.8991	88.51
3	8.790	10.0519	21.70 ?	7	20.875	4.2520	25.32
4	12.377	7.1455	10.92	1	5.758	15.3358	23.60
5	17.786	4.9828	10.21	25	41.012	2.1989	22.27
6	19.847	4.4698	19.79	3	8.790	10.0519	21.70 ?
7	20.875	4.2520	25.32	19	34.994	2.5621	21.63
8	22.950	3.8721	9.08	6	19.847	4.4698	19.79
9	23.921	3.7170	11.06	32	50.248	1.8143	15.39
10	25.048	3.5522	9.08	2	8.429	10.4821	14.80
11	25.502	3.4901	11.99	20	36.595	2.4536	14.33
12	26.704	3.3356	100.00	28	44.865	2.0186	14.11
13	27.849	3.2010	13.33	21	37.298	2.4089	13.97
14	28.308	3.1502	10.80	13	27.849	3.2010	13.33
15	29.866	2.9893	11.77	33	50.889	1.7929	13.12
16	30.818	2.8991	88.51	11	25.502	3.4901	11.99
17	32.065	2.7891	7.16	15	29.866	2.9893	11.77
18	33.391	2.6813	6.81	39	60.015	1.5402	11.13
19	34.994	2.5621	21.63	9	23.921	3.7170	11.06
20	36.595	2.4536	14.33	4	12.377	7.1455	10.92
21	37.298	2.4089	13.97	14	28.308	3.1502	10.80
22	37.752	2.3810	9.29	5	17.786	4.9828	10.21
23	39.484	2.2804	9.65	26	42.473	2.1266	9.79
24	40.302	2.2360	8.94	29	45.400	1.9961	9.65
25	41.012	2.1989	22.27	23	39.484	2.2804	9.65
26	42.473	2.1266	9.79	22	37.752	2.3810	9.29
27	43.703	2.0696	5.89	10	25.048	3.5522	9.08
28	44.865	2.0186	14.11	8	22.950	3.8721	9.08
29	45.400	1.9961	9.65 ?	24	40.302	2.2360	8.94
30	48.130	1.8890	5.18 ?	40	61.780	1.5004	8.79
31	49.110	1.8536	4.82 ?	35	54.978	1.6688	7.23
32	50.248	1.8143	15.39	17	32.065	2.7891	7.16
33	50.889	1.7929	13.12	18	33.391	2.6813	6.81
34	52.976	1.7271	3.76	36	55.925	1.6428	6.24
35	54.978	1.6688	7.23	42	64.122	1.4512	6.17
36	55.925	1.6428	6.24	41	63.204	1.4700	6.03
37	57.510	1.6012	4.04 ?	27	43.703	2.0696	5.89
38	58.811	1.5689	5.25	38	58.811	1.5689	5.25
39	60.015	1.5402	11.13	30	48.130	1.8890	5.18
40	61.780	1.5004	8.79 ?	31	49.110	1.8536	4.82
41	63.204	1.4700	6.03	37	57.510	1.6012	4.04
42	64.122	1.4512	6.17	34	52.976	1.7271	3.76

Sample: 12-19-3-8
Data file: 3-8.RAW

12-Jul-1991 03:48:48

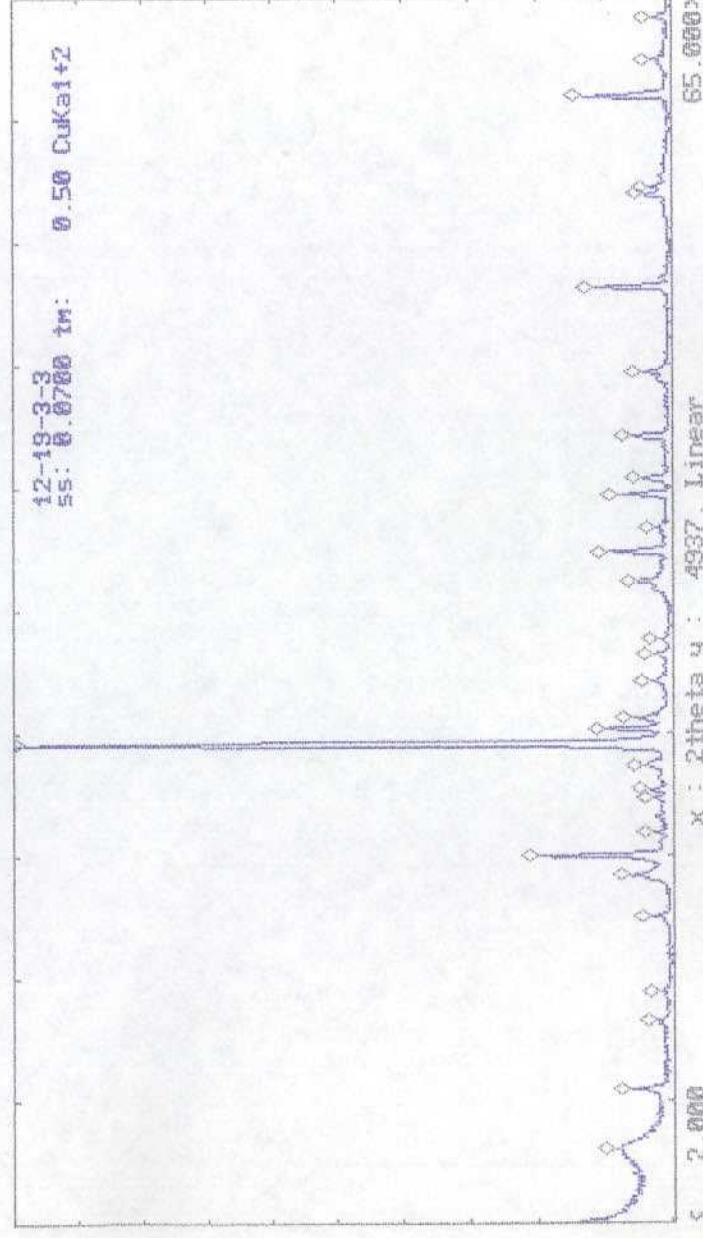
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.603	15.7598	6.51	9	26.632	3.3445	100.00
2	8.809	10.0308	2.82	6	20.887	4.2495	16.80
3	12.187	7.2567	2.00	19	50.154	1.8175	14.37
4	17.738	4.9961	1.58	10	27.427	3.2492	14.27
5	19.803	4.4797	3.88	15	39.463	2.2816	9.06
6	20.887	4.2495	16.80	14	36.543	2.4569	6.76
7	22.882	3.8834	1.74	1	5.603	15.7598	6.51
8	23.489	3.7843	1.92	21	60.100	1.5383	4.36
9	26.632	3.3445	100.00	17	42.460	2.1273	4.30
10	27.427	3.2492	14.27	20	54.813	1.6735	4.00
11	27.885	3.1970	2.55	5	19.803	4.4797	3.88
12	29.846	2.9912	1.67	16	40.311	2.2355	3.32
13	34.934	2.5663	2.80	18	45.789	1.9800	3.24
14	36.543	2.4569	6.76	22	64.110	1.4514	3.20
15	39.463	2.2816	9.06	2	8.809	10.0308	2.82
16	40.311	2.2355	3.32	13	34.934	2.5663	2.80
17	42.460	2.1273	4.30	11	27.885	3.1970	2.55
18	45.789	1.9800	3.24	3	12.187	7.2567	2.00
19	50.154	1.8175	14.37	8	23.489	3.7843	1.92
20	54.813	1.6735	4.00	7	22.882	3.8834	1.74
21	60.100	1.5383	4.36	12	29.846	2.9912	1.67
22	64.110	1.4514	3.20	4	17.738	4.9961	1.58



Sample: 12-19-3-3
Data file: 3-3.RAW

12-Jul-1991 03:38:31

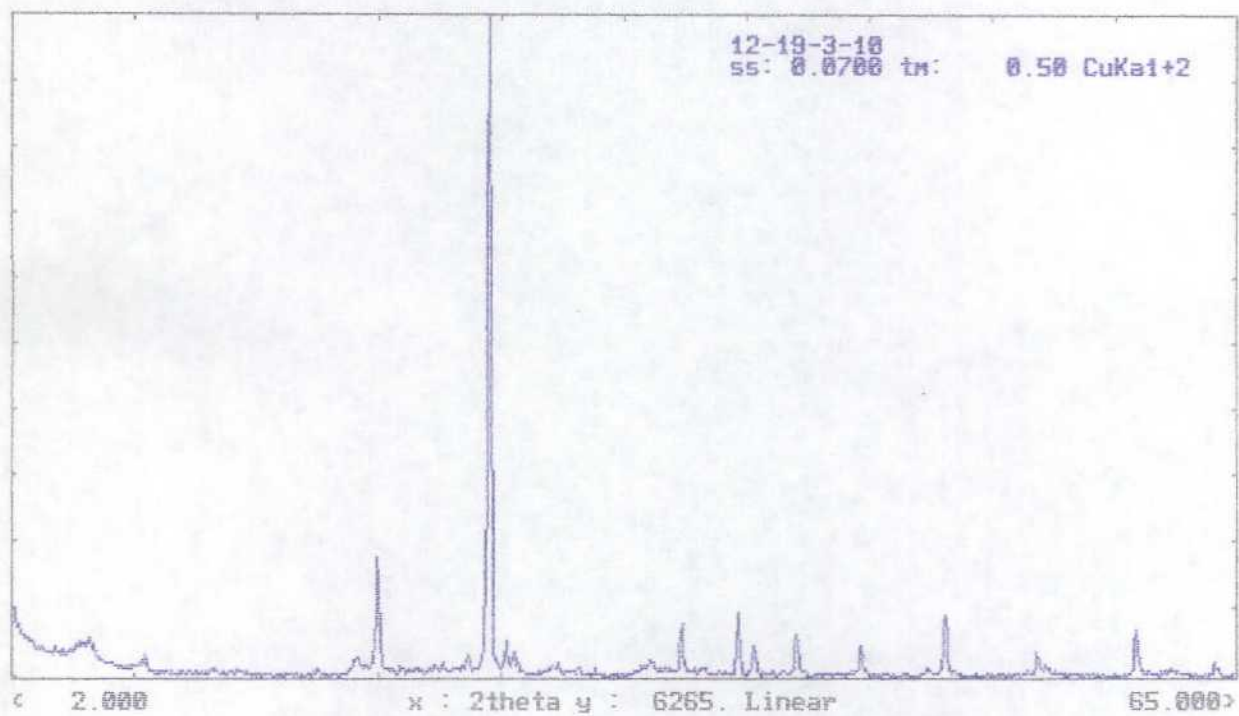
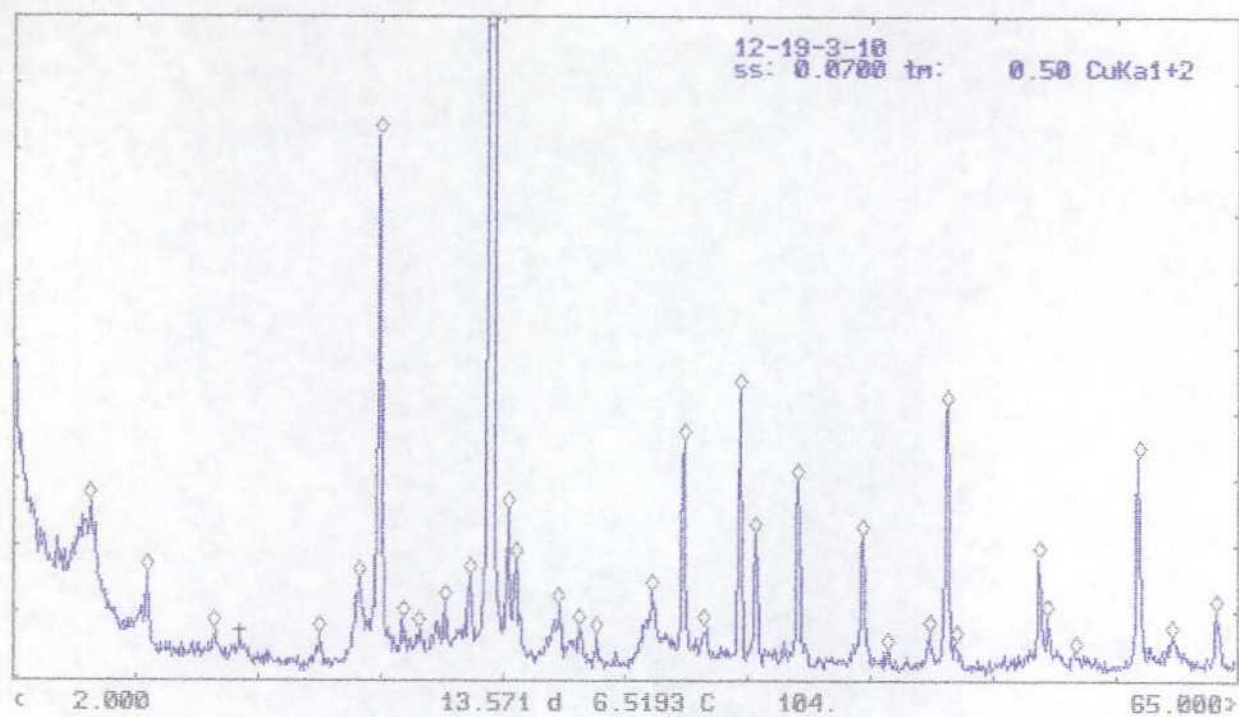
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.744	15.3743	8.91	12	26.694	3.3368	100.00
2	8.794	10.0477	5.56	7	20.900	4.2469	20.09 ?
3	12.346	7.1633	2.35	28	60.010	1.5404	13.00
4	13.861	6.3839	1.90	25	50.160	1.8172	11.40 ?
5	17.759	4.9905	3.38	13	27.445	3.2472	9.80
6	19.874	4.4639	6.50	19	36.564	2.4556	9.54
7	20.900	4.2469	20.09 ?	1	5.744	15.3743	8.91
8	22.090	4.0208	2.61 ?	21	39.488	2.2802	8.18
9	23.873	3.7244	2.98	2	8.794	10.0477	5.56
10	24.313	3.6579	3.42	6	19.874	4.4639	6.50
11	25.568	3.4811	4.46	23	42.530	2.1239	5.08 ?
12	26.694	3.3368	100.00	14	27.989	3.1853	6.00
13	27.445	3.2472	9.80	18	34.997	2.5619	5.23
14	27.989	3.1853	6.00	22	40.360	2.2329	4.56 ?
15	29.860	2.9898	3.08 ?	24	45.820	1.9788	4.48 ?
16	31.286	2.8568	2.65	11	25.568	3.4811	4.46
17	32.069	2.7888	2.17	26	54.976	1.6689	4.15
18	34.997	2.5619	5.23	10	24.313	3.6579	3.42
19	36.564	2.4556	9.64	5	17.759	4.9905	3.38
20	37.819	2.3769	2.21	27	55.340	1.6589	3.14 ?
21	39.488	2.2802	8.18	15	29.860	2.9898	3.08 ?
22	40.360	2.2329	4.56 ?	9	23.873	3.7244	2.98
23	42.530	2.1239	6.08 ?	30	64.027	1.4531	2.82
24	45.820	1.9788	4.48 ?	16	31.286	2.8568	2.65
25	50.160	1.8172	11.40 ?	29	61.793	1.5001	2.63
26	54.976	1.6689	4.15	8	22.090	4.0208	2.61 ?
27	55.340	1.6589	3.14 ?	3	12.346	7.1633	2.35
28	60.010	1.5404	13.00	20	37.819	2.3769	2.21
29	61.793	1.5001	2.63	17	32.069	2.7888	2.17
30	64.027	1.4531	2.82	4	13.861	6.3839	1.90



Sample: 12-19-3-10
Data file: 3-10.RAW

14-Jul-1991 04:53:52

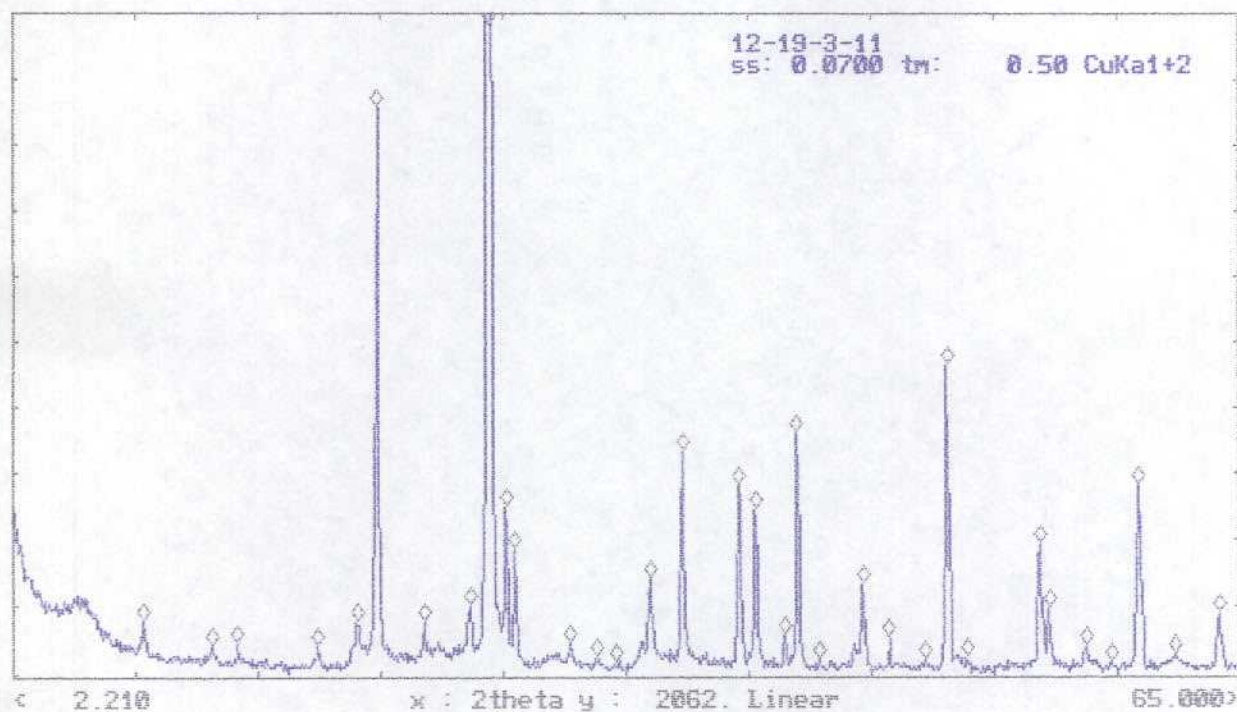
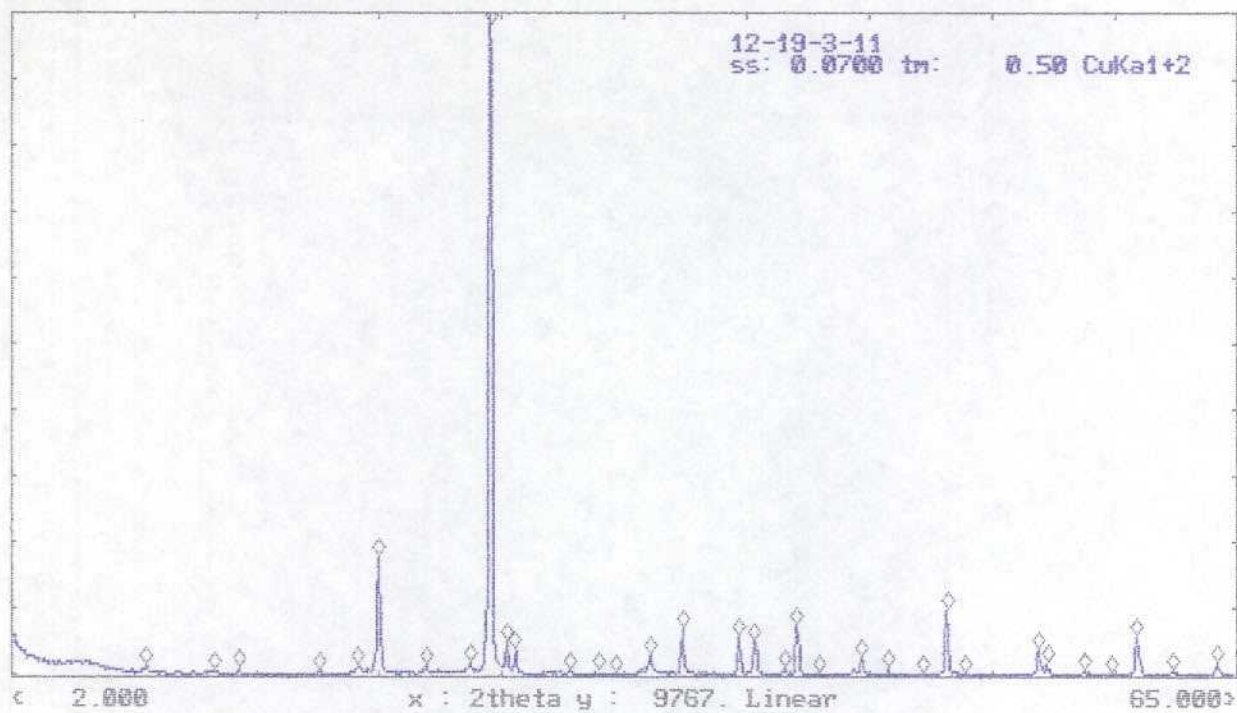
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.905	14.9543	5.86	11	26.591	3.3495	100.00
2	8.790	10.0519	3.53 ?	6	20.853	4.2564	18.07
3	12.296	7.1924	1.68	20	39.517	2.2786	9.50
4	17.737	4.9966	1.52	26	50.122	1.8185	9.03
5	19.793	4.4819	3.30	18	36.580	2.4545	7.89 ?
6	20.853	4.2564	18.07	31	60.016	1.5402	7.34
7	22.090	4.0208	2.00 ?	22	42.481	2.1262	5.56
8	22.894	3.8813	1.69	1	5.905	14.9543	5.86
9	24.255	3.6666	2.52	12	27.511	3.2396	5.63
10	25.523	3.4873	3.42	21	40.306	2.2358	4.80
11	26.591	3.3495	100.00	23	45.797	1.9797	4.76
12	27.511	3.2396	5.63	28	54.904	1.6709	4.04
13	27.902	3.1951	3.91	13	27.902	3.1951	3.91
14	30.071	2.9694	2.43	2	8.790	10.0519	3.53 ?
15	31.190	2.8653	1.77 ?	10	25.523	3.4873	3.42
16	32.047	2.7906	1.45	5	19.793	4.4819	3.30
17	34.974	2.5635	2.92	17	34.974	2.5635	2.92
18	36.580	2.4545	7.89 ?	9	24.255	3.6666	2.52
19	37.639	2.3879	1.71	14	30.071	2.9694	2.43
20	39.517	2.2786	9.50	33	64.027	1.4531	2.27
21	40.306	2.2358	4.80	29	55.340	1.6588	2.06
22	42.481	2.1262	6.56	7	32.090	4.0208	2.00 ?
23	45.797	1.9797	4.76	15	31.190	2.8653	1.77 ?
24	47.105	1.9277	0.97	19	37.639	2.3879	1.71
25	49.264	1.8482	1.56	8	22.894	3.8813	1.69
26	50.122	1.8185	9.03	3	12.296	7.1924	1.68
27	50.650	1.8008	1.20 ?	25	49.264	1.8482	1.56
28	54.904	1.6709	4.04	4	17.737	4.9966	1.52
29	55.340	1.6588	2.06 ?	16	32.047	2.7906	1.45
30	56.810	1.6193	0.89 ?	32	61.780	1.5004	1.40
31	60.016	1.5402	7.34	27	50.650	1.8008	1.20
32	61.780	1.5004	1.40 ?	24	47.105	1.9277	0.97
33	64.027	1.4531	2.27	30	56.810	1.6193	0.89 ?



Sample: 12-19-3-11
Data file: 3-11.RAW

14-Jul-1991 05:24:00

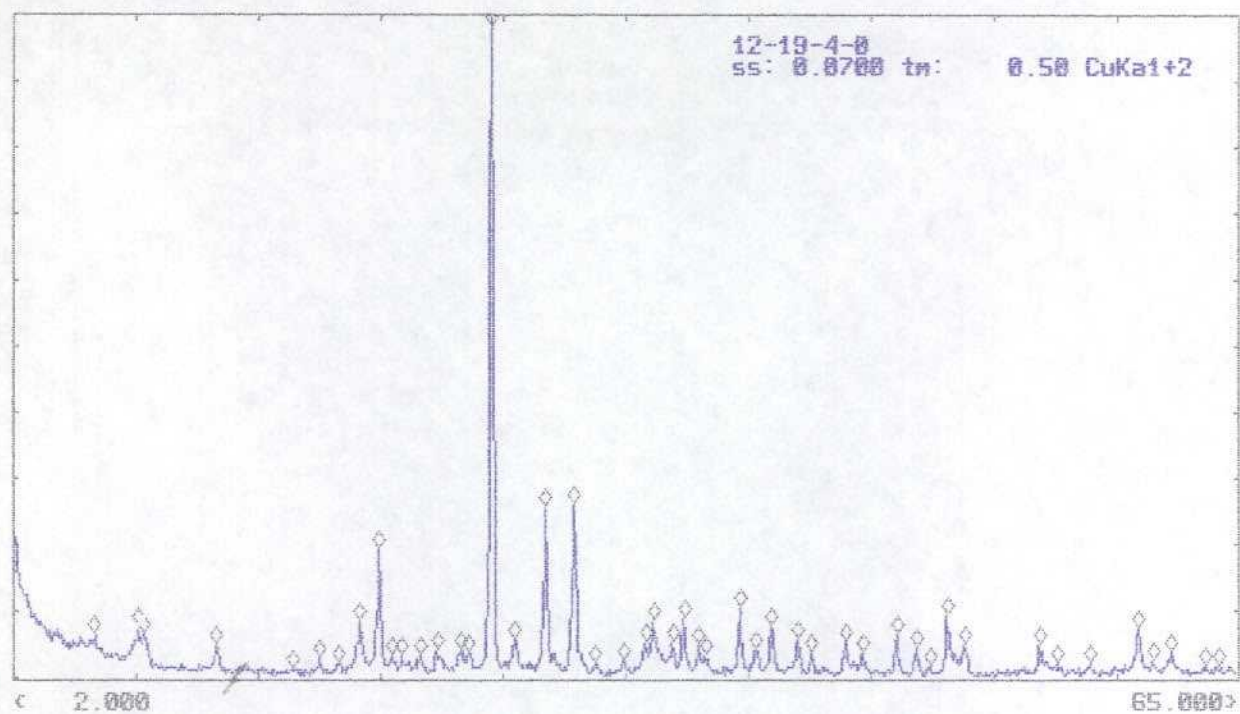
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	8.838	9.9978	1.73	9	26.704	3.3356	100.00
2	12.360	7.1554	0.91	6	20.850	4.2571	18.12
3	13.643	6.4852	1.05	25	50.226	1.8150	9.88
4	17.807	4.9770	0.91	20	42.469	2.1268	7.72
5	19.844	4.4706	1.66	16	36.584	2.4543	7.12
6	20.850	4.2571	18.12	31	59.988	1.5409	5.99
7	23.342	3.8078	1.70	17	39.479	2.2807	5.97
8	25.635	3.4722	2.16	10	27.537	3.2366	5.30
9	26.704	3.3356	100.00	18	40.323	2.2349	5.22
10	27.537	3.2366	5.30	27	54.944	1.6698	4.12
11	27.944	3.1903	3.94	11	27.944	3.1903	3.94
12	30.775	2.9030	0.99	15	34.924	2.5671	3.06
13	32.218	2.7762	0.60	22	45.861	1.9771	2.87
14	33.202	2.6962	0.44	8	25.635	3.4722	2.16
15	34.924	2.5671	3.06	28	55.410	1.6568	2.12
16	36.584	2.4543	7.12	33	64.108	1.4514	1.97
17	39.479	2.2807	5.97	1	8.838	9.9978	1.73
18	40.323	2.2349	5.22	7	23.342	3.8078	1.70
19	41.869	2.1559	1.26	5	19.844	4.4706	1.66
20	42.469	2.1268	7.72	19	41.869	2.1559	1.26
21	43.648	2.0721	0.48	23	47.187	1.9246	1.19
22	45.861	1.9771	2.87	3	13.643	6.4852	1.05
23	47.187	1.9246	1.19	12	30.775	2.9030	0.99
24	48.985	1.8580	0.49	29	57.300	1.6066	0.94
25	50.226	1.8150	9.88	4	17.807	4.9770	0.91
26	51.180	1.7834	0.55	2	12.360	7.1554	0.91
27	54.944	1.6698	4.12	32	61.847	1.4989	0.63
28	55.410	1.6568	2.12	13	32.218	2.7762	0.60
29	57.300	1.6066	0.94	26	51.180	1.7834	0.55
30	58.630	1.5733	0.45	24	48.985	1.8580	0.49
31	59.988	1.5409	5.99	21	43.648	2.0721	0.48
32	61.847	1.4989	0.63	30	58.630	1.5733	0.45
33	64.108	1.4514	1.97	14	33.202	2.6962	0.44



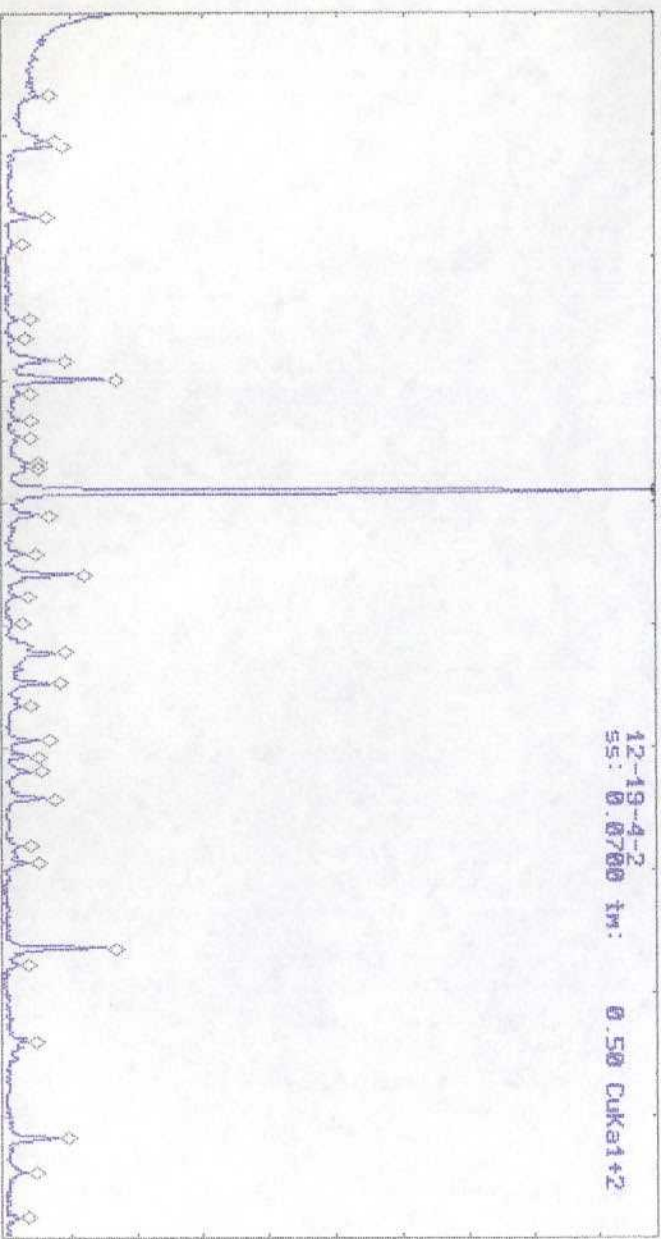
Sample: 12-19-4-0
Data file: 4-0.FRM

14-Jul-1991 05:04:03

Sed	2theta	d	rel. I	Sed	2theta	d	rel. I
1	6.028	14.6511	6.72	14	26.612	3.3470	100.00
2	8.330	10.6064	7.59	17	30.877	2.8937	26.34
3	8.560	10.2975	6.68 ?	16	29.398	3.0357	26.13
4	12.425	7.1183	5.34	9	20.784	4.2704	19.68
5	16.367	5.4116	1.75	26	39.467	2.2814	10.72
6	17.750	4.9929	3.19 ?	35	50.160	1.8172	9.61
7	18.719	4.7367	2.38	23	36.570	2.4552	9.37
8	19.802	4.4798	8.80	21	35.026	2.5598	8.83
9	20.784	4.2704	19.68	8	19.802	4.4798	8.80
10	22.922	3.8768	3.69	28	41.064	2.1963	8.03
11	23.884	3.7227	4.23	39	59.976	1.5412	7.76
12	25.056	3.5511	4.37	2	8.330	10.6064	7.59
13	25.450	3.4970	4.13 ?	1	6.028	14.6511	6.72
14	26.612	3.3470	100.00	33	47.556	1.9105	6.68
15	27.843	3.2017	6.11	3	8.580	10.2975	6.68 ?
16	29.398	3.0357	26.13	15	27.843	3.2017	6.11
17	30.877	2.8937	26.34	29	42.460	2.1272	5.88 ?
18	32.003	2.7944	2.55	31	44.900	2.0171	5.61
19	33.430	2.6783	2.89 ?	22	35.994	2.4932	5.48
20	34.607	2.5898	5.41	20	34.607	2.5898	5.41
21	35.026	2.5598	8.83	4	12.425	7.1183	5.34
22	35.994	2.4932	5.48	37	54.895	1.6712	5.17
23	36.570	2.4552	9.37	24	37.342	2.4062	5.04
24	37.342	2.4062	5.04	36	51.051	1.7876	5.01
25	37.721	2.3828	3.43	34	48.587	1.8723	4.84
26	39.467	2.2814	10.72	27	40.274	2.2375	4.47
27	40.274	2.2375	4.47	12	25.056	3.5511	4.37
28	41.064	2.1963	8.03	11	23.884	3.7227	4.23
29	42.460	2.1272	5.88 ?	30	43.177	2.0936	4.17
30	43.177	2.0936	4.17	13	25.450	3.4970	4.13 ?
31	44.900	2.0171	5.61	32	45.766	1.9809	4.03
32	45.766	1.9809	4.03	41	61.648	1.5033	3.83
33	47.556	1.9105	6.68	10	22.922	3.8768	3.69
34	48.587	1.8723	4.84	25	37.721	2.3828	3.43
35	50.160	1.8172	9.61	6	17.750	4.9929	3.19 ?
36	51.051	1.7876	5.01	40	60.713	1.5242	2.99
37	54.895	1.6712	5.17	19	33.430	2.6783	2.89 ?
38	57.487	1.6018	2.39	18	32.003	2.7944	2.55
39	59.976	1.5412	7.76	38	57.487	1.6018	2.38
40	60.713	1.5242	2.99	7	18.719	4.7367	2.38
41	61.648	1.5033	3.83	5	16.367	5.4116	1.75



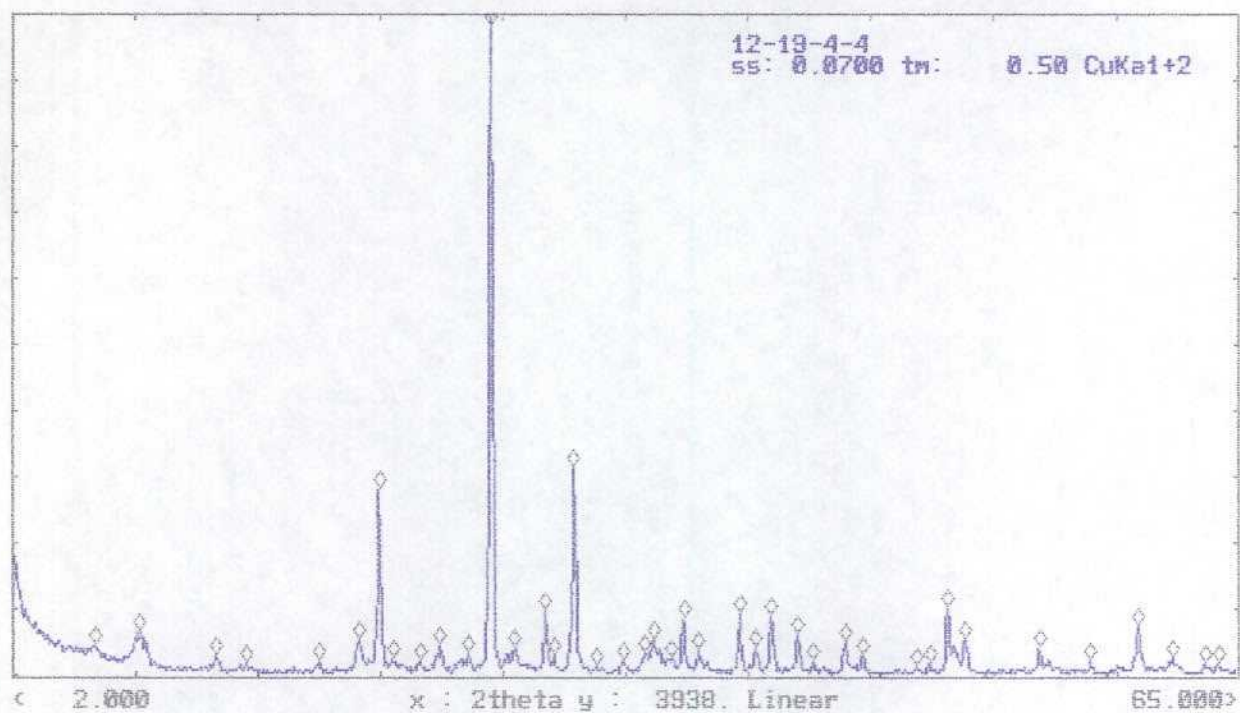
Sed	2theta	d	rel. I	Sed	2theta	d	rel. I
1	6.200	14.2440	5.55 ?	15	26.672	3.3395	100.00
2	8.478	10.4206	6.23	9	20.859	4.2552	15.61
3	8.811	10.0286	7.46	30	50.230	1.8149	15.47 ?
4	12.439	7.1104	5.07	18	30.938	2.8881	10.95
5	13.903	6.3646	1.69	33	59.982	1.5410	8.47
6	17.707	5.0048	2.85	8	19.859	4.4672	8.01
7	18.730	4.7338	2.08 ?	21	34.974	2.5635	7.85
8	19.859	4.4672	8.01	3	8.811	10.0286	7.46
9	20.859	4.2552	15.61	22	36.511	2.4590	7.05
10	21.582	4.1142	2.76	27	42.520	2.1244	6.39
11	22.925	3.8761	2.92	2	8.478	10.4206	6.23
12	23.863	3.7258	2.94	1	6.200	14.2440	5.55 ?
13	25.141	3.5394	4.11	24	39.460	2.2818	5.48
14	25.465	3.4950	3.86	16	27.863	3.1972	5.41
15	26.672	3.3395	100.00	4	12.439	7.1104	5.07
16	27.883	3.1972	5.41	26	41.088	2.1951	4.43
17	29.884	2.9875	3.54	13	25.141	3.5394	4.11
18	30.938	2.8881	10.95	25	40.332	2.2344	3.97
19	32.072	2.7885	2.37	29	45.820	1.9788	3.90 ?
20	33.439	2.6776	1.69	14	25.465	3.4950	3.86
21	34.974	2.5635	7.85	32	54.975	1.6689	3.58
22	36.511	2.4590	7.05	17	29.884	2.9875	3.54
23	37.748	2.3812	2.69	34	61.730	1.5015	3.42
24	39.460	2.2818	5.48	12	23.863	3.7258	2.94
25	40.332	2.2344	3.97	11	22.925	3.8761	2.92
26	41.088	2.1951	4.43	6	17.707	5.0048	2.85
27	42.520	2.1244	6.39	28	44.927	2.0160	2.78
28	44.927	2.0160	2.78	10	21.582	4.1142	2.76
29	45.820	1.9788	3.90 ?	23	37.748	2.3812	2.69
30	50.230	1.8149	15.47 ?	31	51.070	1.7870	2.44 ?
31	51.070	1.7870	2.44	35	64.059	1.4524	2.40
32	54.975	1.6689	3.58	19	32.072	2.7885	2.37
33	59.982	1.5410	8.47	7	18.730	4.7338	2.08 ?
34	61.730	1.5015	3.42	20	33.439	2.6776	1.69
35	64.059	1.4524	2.40	5	13.903	6.3646	1.69



Sample: 12-19-4-4
Data file: 4-4.RAW

14-Jul-1991 05:39:15

Geo	etheta	d	rel. I	Geo	etheta	d	rel. I
1	6.197	14.2505	4.85	12	26.610	3.3472	100.00
2	8.440	10.4680	6.81 ?	16	30.925	2.8893	31.44
3	12.401	7.1321	3.20	7	20.845	4.2581	28.36
4	13.969	6.3348	2.18	33	50.201	1.8159	10.49
5	17.701	5.0065	2.29	14	29.432	3.0323	9.95
6	19.838	4.4718	5.71	24	39.493	2.2799	9.47
7	20.845	4.2581	28.36	26	41.085	2.1952	9.14
8	21.540	4.1222	2.77	22	36.580	2.4545	8.65 ?
9	22.930	3.8753	2.59 ?	37	59.963	1.5415	7.49
10	23.955	3.7118	4.65	2	8.440	10.4680	6.81 ?
11	25.462	3.4954	3.48	27	42.444	2.1280	6.32
12	26.610	3.3472	100.00	6	19.838	4.4718	5.71
13	27.847	3.2013	4.32	20	35.033	2.5593	5.61
14	29.432	3.0323	9.95	34	51.060	1.7873	5.41
15	29.876	2.9883	3.15	29	44.906	2.0169	5.05
16	30.925	2.8893	31.44	1	6.197	14.2505	4.85
17	32.023	2.7926	1.78	10	23.955	3.7118	4.65
18	33.430	2.6783	2.41 ?	35	54.875	1.6717	4.49
19	34.550	2.5940	3.71 ?	25	40.300	2.2361	4.47
20	35.033	2.5593	5.61	13	27.847	3.2013	4.32
21	35.891	2.5000	2.77	23	37.349	2.4058	4.19
22	36.580	2.4545	8.66 ?	19	34.550	2.5940	3.71 ?
23	37.349	2.4058	4.19	11	25.462	3.4954	3.48
24	39.493	2.2799	9.47	30	45.825	1.9786	3.35
25	40.300	2.2361	4.47	3	12.401	7.1321	3.20
26	41.085	2.1952	9.14	15	29.876	2.9883	3.15
27	42.444	2.1280	6.32	38	61.702	1.5021	2.82
28	43.230	2.0911	2.29 ?	21	35.891	2.5000	2.77
29	44.906	2.0169	5.05	8	21.540	4.1222	2.77
30	45.825	1.9786	3.35	9	22.930	3.8753	2.59 ?
31	48.571	1.8729	1.50	18	33.430	2.6783	2.41 ?
32	49.250	1.8487	2.01 ?	28	43.230	2.0911	2.29
33	50.201	1.8159	10.49	5	17.701	5.0065	2.29
34	51.060	1.7873	5.41	36	57.522	1.6009	2.21
35	54.875	1.6717	4.49	4	13.969	6.3348	2.18
36	57.522	1.6009	2.21	32	49.250	1.8487	2.01 ?
37	59.963	1.5415	7.49	40	64.076	1.4521	1.96
38	61.702	1.5021	2.82	39	63.412	1.4657	1.93
39	63.412	1.4657	1.93	17	32.023	2.7926	1.78
40	64.076	1.4521	1.96	31	48.571	1.8729	1.50



Sample: 12-19-4-6
Data file: 4-6.RAW

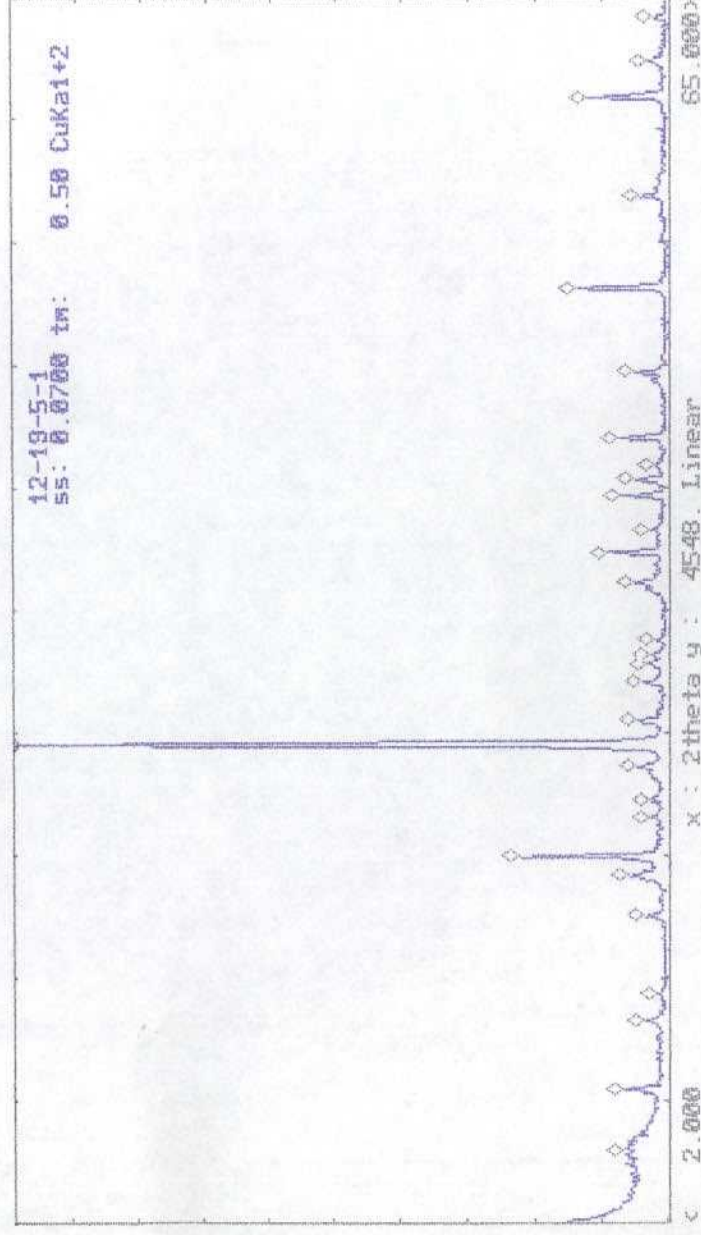
14-Jul-1991 05:45:18

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	8.399	10.5187	6.52	13	30.973	2.8849	100.00
2	12.466	7.0949	2.81	9	26.689	3.3374	96.55
3	13.772	6.4247	1.84	22	41.133	2.1927	26.49
4	17.755	4.9916	2.49	31	51.102	1.7860	18.41
5	19.847	4.4699	5.55	30	50.510	1.8055	16.65
6	20.846	4.2579	11.78	32	54.974	1.6689	16.43
7	22.018	4.0337	3.82	25	44.970	2.0142	14.88
8	24.032	3.7001	7.28	6	20.846	4.2579	11.78
9	26.689	3.3374	96.65	20	39.512	2.2789	10.23
10	27.868	3.1988	7.06	34	59.904	1.5428	9.55
11	29.440	3.0315	6.56	19	37.376	2.4041	9.44
12	29.877	2.9852	3.24	29	50.160	1.8172	9.01
13	30.973	2.8849	100.00	16	35.250	2.5440	7.46
14	31.924	2.8011	3.10	8	24.032	3.7001	7.28
15	33.556	2.6685	6.20	10	27.868	3.1988	7.06
16	35.250	2.5440	7.46	11	29.440	3.0315	6.56
17	36.020	2.4914	5.01	1	8.399	10.5187	6.52
18	36.532	2.4576	6.31	18	36.532	2.4576	6.31
19	37.376	2.4041	9.44	15	33.556	2.6685	6.20
20	39.512	2.2789	10.23	5	19.847	4.4699	5.55
21	40.281	2.2371	3.32	36	63.443	1.4650	5.30
22	41.133	2.1927	26.49	23	42.466	2.1269	5.15
23	42.466	2.1269	5.15	17	36.020	2.4914	5.01
24	43.814	2.0646	4.72	24	43.814	2.0646	4.72
25	44.970	2.0142	14.88	28	49.276	1.8477	4.25
26	45.852	1.9775	3.10	33	58.912	1.5664	4.22
27	47.628	1.9078	2.77	7	22.018	4.0337	3.82
28	49.276	1.8477	4.25	21	40.281	2.2371	3.32
29	50.160	1.8172	9.01	12	29.877	2.9882	3.24
30	50.510	1.8055	16.65	35	61.736	1.5014	3.14
31	51.102	1.7860	18.41	26	45.852	1.9775	3.10
32	54.974	1.6689	16.43	14	31.924	2.8011	3.10
33	58.912	1.5664	4.22	2	12.466	7.0949	2.81
34	59.904	1.5428	9.55	27	47.628	1.9078	2.77
35	61.736	1.5014	3.14	37	64.543	1.4427	2.63
36	63.443	1.4650	5.30	4	17.755	4.9916	2.49
37	64.543	1.4427	2.63	3	13.772	6.4247	1.84

Sample: 12-19-5-1
Data file: 5-1.RAW

14-Jul-1991 05:51:11

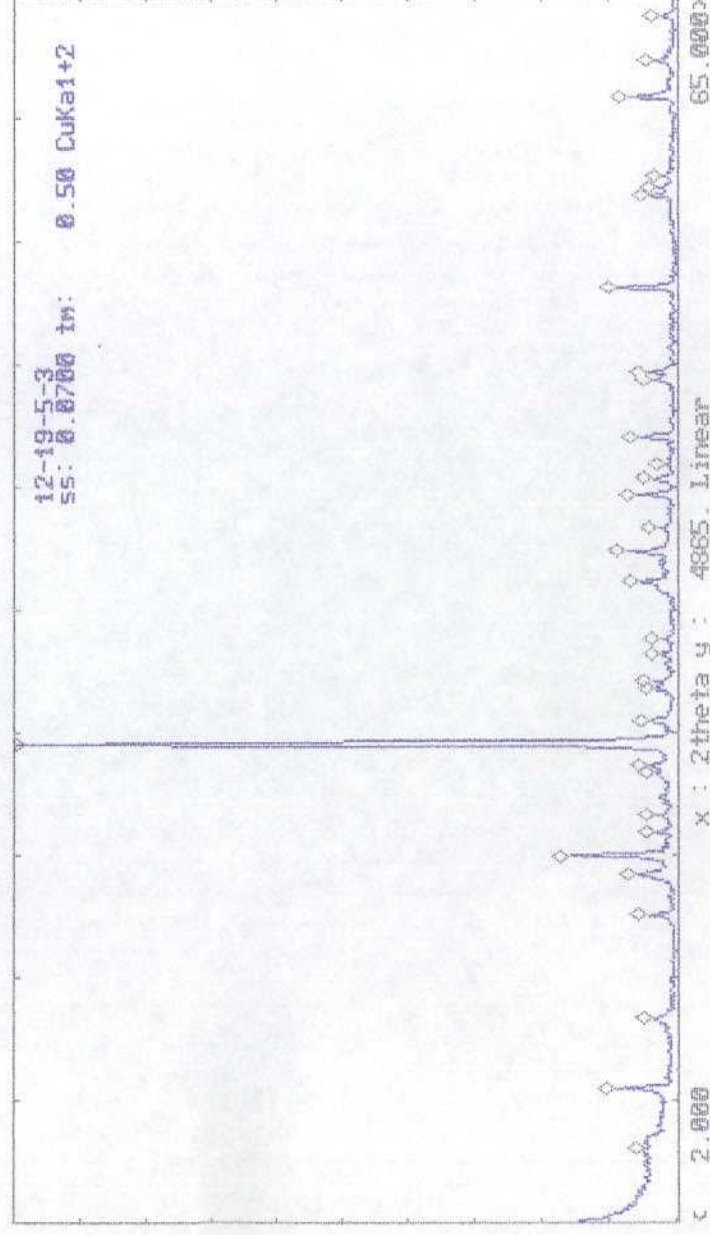
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.659	15.6035	6.80	11	26.643	3.3431	100.00
2	8.794	10.0478	6.86	7	20.873	4.2523	22.34
3	12.382	7.1427	3.45	25	50.184	1.8164	14.14
4	13.760	6.4304	1.65	27	59.989	1.5409	12.47
5	17.788	4.9822	3.41	18	36.533	2.4576	9.04
6	19.855	4.4681	5.91	23	42.479	2.1263	7.41
7	20.873	4.2523	22.34	20	39.450	2.2823	7.17
8	22.899	3.8806	2.88	2	8.794	10.0478	6.86
9	23.797	3.7361	2.90	1	5.659	15.6035	6.80
10	25.500	3.4903	4.71	6	19.855	4.4681	5.91
11	26.643	3.3431	100.00	21	40.325	2.2348	5.34
12	27.875	3.1981	4.79	17	35.028	2.5596	5.26
13	29.843	2.9915	3.96	24	45.871	1.9767	5.23
14	30.787	2.9019	3.25	12	27.875	3.1981	4.79
15	31.272	2.8580	2.95	10	25.500	3.4903	4.71
16	32.041	2.7911	2.18	26	54.890	1.6713	4.33
17	35.028	2.5596	5.26	13	29.843	2.9915	3.96
18	36.533	2.4576	9.04	3	12.382	7.1427	3.45
19	37.700	2.3842	2.68	5	17.788	4.9822	3.41
20	39.450	2.2823	7.17	28	61.829	1.4993	3.32
21	40.325	2.2348	5.34	14	30.787	2.9019	3.25
22	41.028	2.1981	2.09	15	31.272	2.8580	2.95
23	42.479	2.1263	7.41	9	23.797	3.7361	2.90
24	45.871	1.9767	5.23	8	22.899	3.8806	2.88
25	50.184	1.8164	14.14	19	37.700	2.3842	2.68
26	54.890	1.6713	4.33	29	64.067	1.4523	2.59
27	59.989	1.5409	12.47	16	32.041	2.7911	2.18
28	61.829	1.4993	3.32	22	41.028	2.1981	2.09
29	64.067	1.4523	2.59	4	13.760	6.4304	1.65



Sample: 12-19-5-3
Data file: 5-3.RAW

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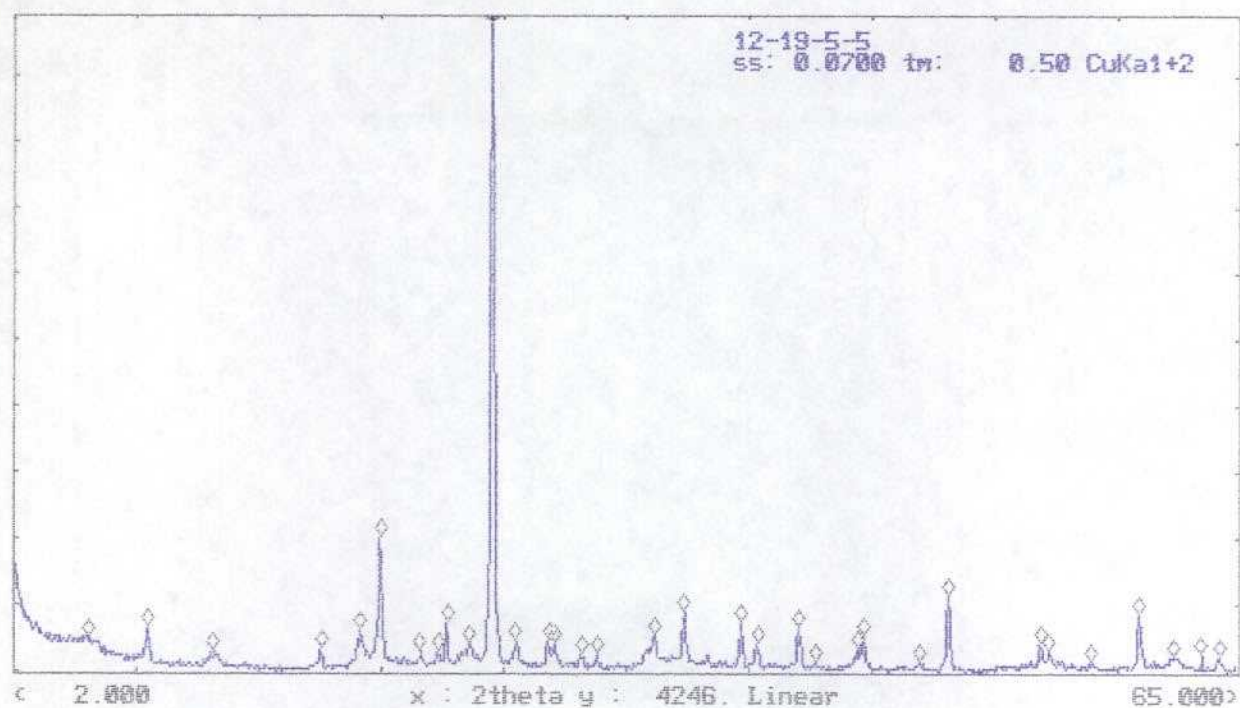
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.758	15.3358	4.80	11	26.670	3.3397	100.00
2	8.830	10.0062	9.17	5	20.830	4.2611	16.16
3	12.435	7.1122	3.60	2	8.830	10.0062	9.17
4	17.794	4.9806	4.23	26	50.201	1.8159	8.65
5	19.885	4.4614	5.98	18	36.574	2.4549	7.65
6	20.830	4.2611	16.16	30	59.974	1.5412	7.38
7	22.042	4.0294	3.23	5	19.885	4.4614	5.98
8	22.921	3.8768	3.19	20	39.499	2.2796	5.94
9	25.100	3.5450	3.19	17	35.040	2.5588	5.80
10	25.530	3.4862	4.42	23	42.460	2.1272	5.69
11	26.670	3.3397	100.00	1	5.758	15.3358	4.80
12	27.851	3.2008	4.09	25	45.820	1.9788	4.42
13	29.525	3.0230	3.37	10	25.530	3.4862	4.42
14	29.887	2.9872	3.58	4	17.794	4.9806	4.23
15	31.290	2.8564	2.55	27	54.950	1.6696	4.15
16	32.046	2.7907	2.40	12	27.851	3.2008	4.09
17	35.040	2.5588	5.80	21	40.352	2.2334	3.62
18	36.574	2.4549	7.65	3	12.435	7.1122	3.60
19	37.828	2.3764	2.67	14	29.887	2.9872	3.58
20	39.499	2.2796	5.94	24	45.414	1.9955	3.54
21	40.352	2.2334	3.62	13	29.525	3.0230	3.37
22	41.017	2.1987	1.64	7	22.042	4.0294	3.23
23	42.460	2.1272	5.69	9	25.100	3.5450	3.19
24	45.414	1.9955	3.54	8	22.921	3.8768	3.19
25	45.820	1.9788	4.42	31	61.831	1.4993	3.06
26	50.201	1.8159	8.65	28	55.350	1.6585	2.75
27	54.950	1.6696	4.15	19	37.828	2.3764	2.67
28	55.350	1.6585	2.75	32	64.144	1.4507	2.59
29	55.901	1.6435	2.12	15	31.290	2.8564	2.55
30	59.974	1.5412	7.38	16	32.046	2.7907	2.40
31	61.831	1.4993	3.06	29	55.901	1.6435	2.12
32	64.144	1.4507	2.59	22	41.017	2.1987	1.64



Sample: 12-19-5-5
ata file: 5-5.RAW

14-Jul-1991 06:01:20

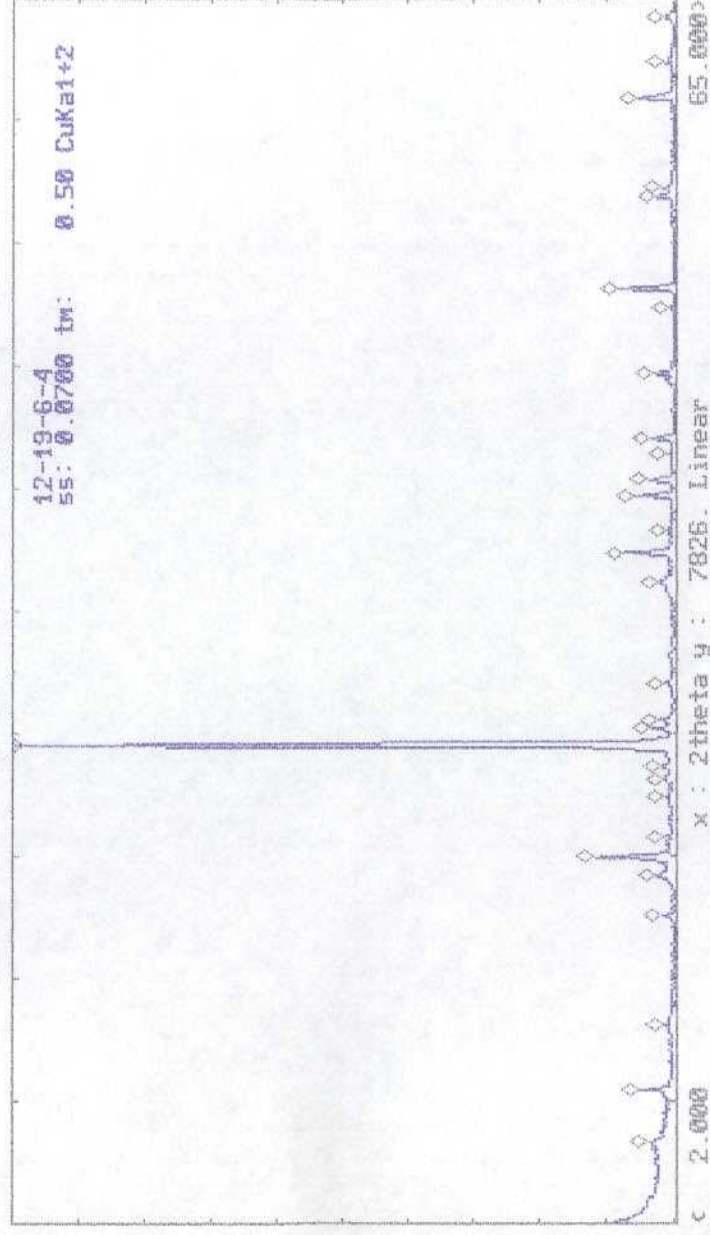
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.758	15.3358	5.20	11	26.647	3.3426	100.00
2	8.849	9.9850	6.81	6	20.864	4.2542	20.44
3	12.220	7.2371	3.16	26	50.196	1.8160	11.49
4	17.793	4.9810	3.46	18	36.525	2.4581	9.40
5	19.813	4.4774	6.59	30	59.961	1.5415	8.71
6	20.864	4.2542	20.44	19	39.520	2.2784	7.68
7	22.896	3.8811	3.09	9	24.323	3.6565	7.63
8	23.833	3.7305	3.23	21	42.485	2.1261	6.99
9	24.323	3.6565	7.63	2	8.849	9.9850	6.81
10	25.479	3.4932	4.45	5	19.813	4.4774	6.59
11	26.647	3.3426	100.00	17	35.018	2.5604	5.79
12	27.833	3.2028	4.92	24	45.820	1.9788	5.68
13	29.562	3.0193	4.62	1	5.758	15.3358	5.20
14	29.865	2.9893	4.47	12	27.833	3.2028	4.92
15	31.234	2.8614	2.61	13	29.562	3.0193	4.62
16	32.060	2.7895	2.64	27	54.915	1.6706	4.57
17	35.018	2.5604	5.79	14	29.865	2.9893	4.47
18	36.525	2.4581	9.40	10	25.479	3.4932	4.45
19	39.520	2.2784	7.68	20	40.330	2.2345	4.29
20	40.330	2.2345	4.29	23	45.470	1.9932	3.72
21	42.485	2.1261	6.99	4	17.793	4.9810	3.46
22	43.363	2.0850	1.65	28	55.340	1.6588	3.23
23	45.470	1.9932	3.72	8	23.833	3.7305	3.23
24	45.820	1.9788	5.68	3	12.220	7.2371	3.16
25	48.697	1.8684	1.60	7	22.896	3.8811	3.09
26	50.196	1.8160	11.49	32	63.163	1.4709	2.66
27	54.915	1.6706	4.57	16	32.060	2.7895	2.64
28	55.340	1.6588	3.23	15	31.234	2.8614	2.61
29	57.498	1.6016	1.48	31	61.749	1.5011	2.50
30	59.961	1.5415	8.71	33	64.065	1.4523	2.38
31	61.749	1.5011	2.50	22	43.363	2.0850	1.65
32	63.163	1.4709	2.66	25	48.697	1.8684	1.60
33	64.065	1.4523	2.38	29	57.498	1.6016	1.48



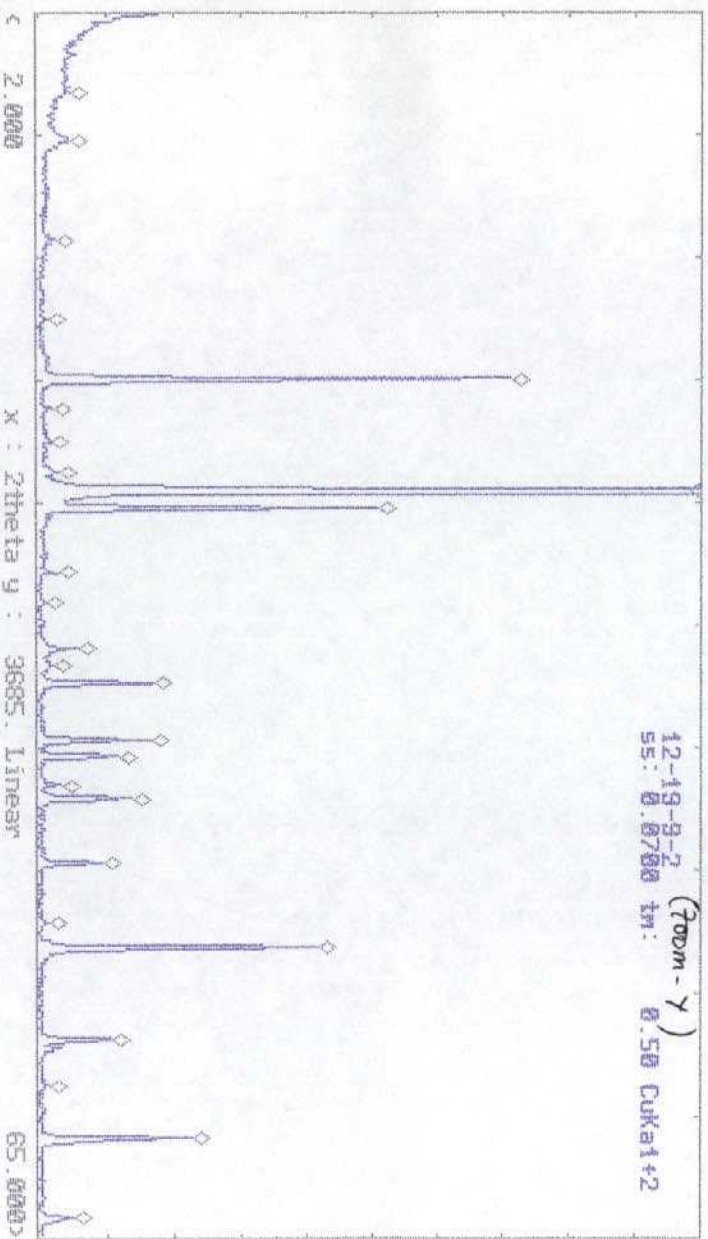
Sample: 12-19-6-4
Data file: 6-4.RAW

14-Jul-1991 06:06:48

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	6.167	14.3208	4.05	11	26.655	3.3416	100.00
2	8.843	9.9920	5.06	6	20.851	4.2567	11.92
3	12.173	7.2649	1.52	24	50.208	1.8156	8.28
4	17.805	4.9775	2.07	16	36.554	2.4556	7.63
5	19.913	4.4552	2.86	18	39.499	2.2796	5.83
6	20.851	4.2567	11.92	27	59.992	1.5408	5.74
7	21.880	4.0589	1.42	2	8.843	9.9920	5.06
8	23.995	3.7057	1.41	1	6.167	14.3208	4.05
9	24.870	3.5773	1.70	19	40.347	2.2337	3.81
10	25.560	3.4823	1.97	21	42.499	2.1254	3.77
11	26.655	3.3416	100.00	12	27.480	3.2431	3.77
12	27.480	3.2431	3.77	22	45.818	1.9788	3.07
13	27.923	3.1926	2.33	25	54.924	1.6704	2.99
14	29.821	2.9937	1.41	5	19.913	4.4552	2.86
15	35.008	2.5611	2.58	15	35.008	2.5611	2.58
16	36.564	2.4556	7.63	13	27.923	3.1926	2.33
17	37.683	2.3852	1.21	26	55.409	1.6569	2.16
18	39.499	2.2796	5.83	4	17.805	4.9775	2.07
19	40.347	2.2337	3.81	10	25.560	3.4823	1.97
20	41.634	2.1675	1.10	29	64.090	1.4518	1.75
21	42.499	2.1254	3.77	9	24.870	3.5773	1.70
22	45.818	1.9788	3.07	28	61.808	1.4998	1.52
23	49.190	1.8508	0.78	3	12.173	7.2649	1.52
24	50.208	1.8156	8.28	7	21.880	4.0589	1.42
25	54.924	1.6704	2.99	14	29.821	2.9937	1.41
26	55.409	1.6569	2.16	8	23.995	3.7057	1.41
27	59.992	1.5408	5.74	17	37.683	2.3852	1.21
28	61.808	1.4998	1.52	20	41.634	2.1675	1.10
29	64.090	1.4518	1.75	23	49.190	1.8508	0.78



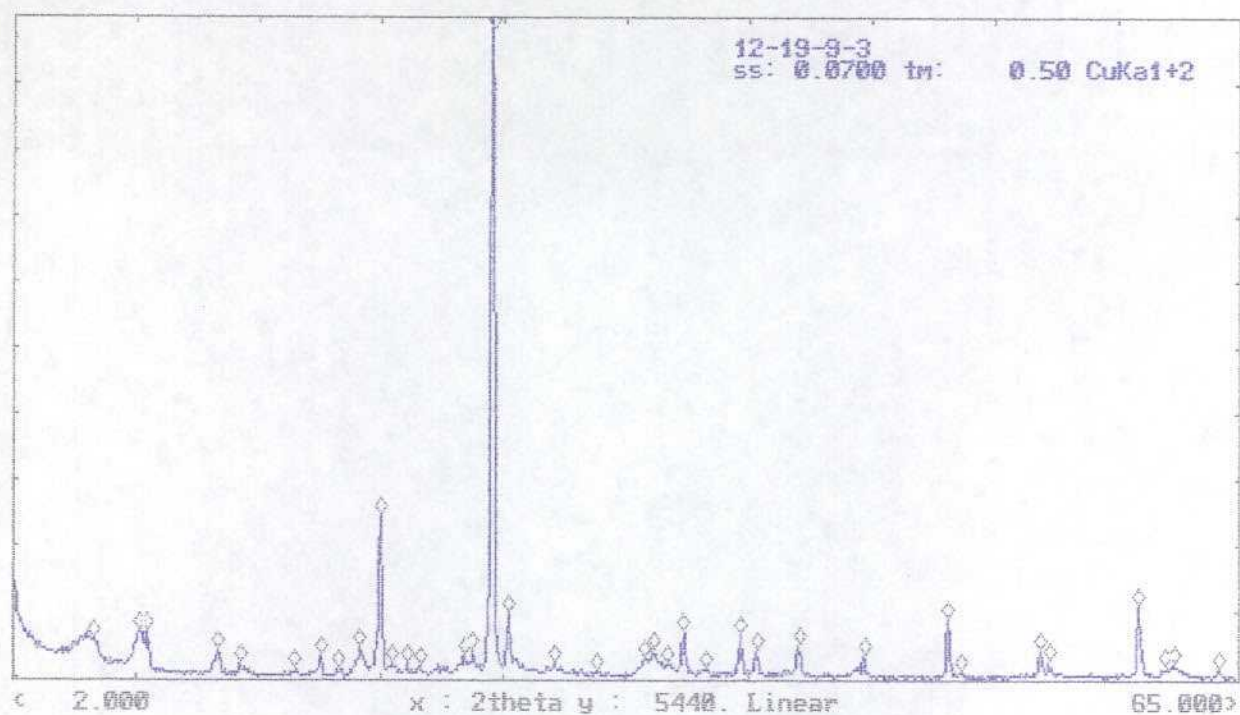
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	6.045	14.6091	1.40	9	26.657	3.3414	100.00
2	8.495	10.3997	1.36	5	20.872	4.2526	20.72
3	13.652	6.4808	0.83	10	27.480	3.2431	14.87
4	17.747	4.9938	0.41	22	50.208	1.8156	12.19
5	20.872	4.2526	20.72	25	59.970	1.5413	6.63
6	22.325	3.9791	0.74	15	36.517	2.4586	5.00
7	24.035	3.6996	0.63	16	39.450	2.2823	4.91
8	25.660	3.4689	0.91	19	42.518	2.1245	4.12
9	26.657	3.3414	100.00	17	40.342	2.2339	3.51
10	27.480	3.2431	14.87	23	54.921	1.6704	3.16
11	30.770	2.9035	0.87	20	45.827	1.9785	2.74
12	32.334	2.7665	0.40	13	34.774	2.5778	1.72
13	34.774	2.5778	1.72	26	64.054	1.4525	1.50
14	35.629	2.5179	0.65	1	6.045	14.6091	1.40
15	36.517	2.4586	5.00	2	8.495	10.3997	1.36
16	39.450	2.2823	4.91	18	41.815	2.1586	1.03
17	40.342	2.2339	3.51	8	25.660	3.4689	0.91
18	41.815	2.1586	1.03	11	30.770	2.9035	0.87
19	42.518	2.1245	4.12	3	13.652	6.4808	0.83
20	45.827	1.9785	2.74	6	22.325	3.9791	0.74
21	48.859	1.8625	0.41	14	35.629	2.5179	0.65
22	50.208	1.8156	12.19	7	24.035	3.6996	0.63
23	54.921	1.6704	3.16	24	57.254	1.6078	0.41
24	57.254	1.6078	0.41	21	48.859	1.8625	0.41
25	59.970	1.5413	6.63	4	17.747	4.9938	0.41
26	64.054	1.4525	1.50	12	32.334	2.7665	0.40



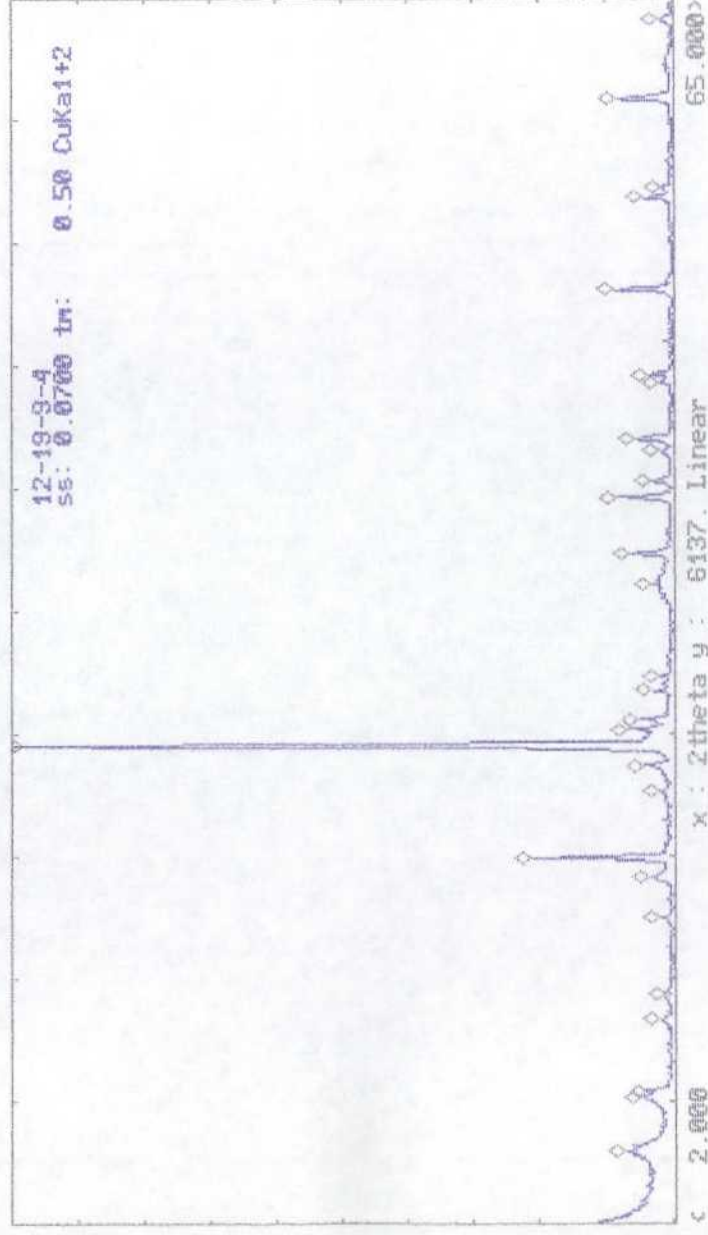
Sample: 12-19-9-3
Data file: 9-3.RAW

20-Jul-1991 23:25:04

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	6.085	14.5138	6.18	16	26.684	3.3380	100.00
2	8.463	10.4392	7.33	10	20.900	4.2469	24.80 ?
3	8.792	10.0496	7.10	33	59.971	1.5413	11.03
4	12.474	7.0904	4.21	17	27.538	3.2364	9.98
5	13.711	6.4532	2.59	29	50.207	1.8157	9.12
6	16.447	5.3853	1.51	2	8.463	10.4392	7.33
7	17.782	4.9839	3.62	23	36.512	2.4589	7.28
8	18.734	4.7329	1.54	3	8.792	10.0496	7.10
9	19.830	4.4737	4.69	25	39.454	2.2821	6.89
10	20.900	4.2469	24.80 ?	27	42.511	14.5138	6.18
11	21.460	4.1373	2.48	9	19.830	4.4737	5.09
12	22.252	3.9918	2.33	26	40.338	2.2341	4.69
13	22.927	3.8758	2.08	15	25.608	3.4759	4.32
14	25.203	3.5307	3.69	21	35.040	2.5588	4.30
15	25.608	3.4759	4.30	31	54.954	1.6695	4.28 ?
16	26.684	3.3380	100.00	4	12.474	7.0904	4.21
17	27.538	3.2364	9.98	28	45.880	1.9763	3.77
18	29.918	2.9842	2.32	14	25.203	3.5307	3.69
19	32.092	2.7868	1.34	7	17.782	4.9839	3.62
20	34.586	2.5914	3.25	20	34.586	2.5914	3.25
21	35.040	2.5588	4.28	32	55.410	1.6568	2.81 ?
22	35.709	2.5124	2.39	5	13.711	6.4532	2.59
23	36.512	2.4589	7.28	11	21.460	4.1373	2.48
24	37.712	2.3834	1.71	22	35.709	2.5124	2.39
25	39.454	2.2821	6.89	12	22.252	3.9918	2.33
26	40.338	2.2341	4.32	18	29.918	2.9842	2.26
27	42.511	2.1249	5.09	35	61.792	1.5002	2.08
28	45.880	1.9763	3.77	13	22.927	3.8758	2.08
29	50.207	1.8157	9.12	34	61.344	1.5100	1.80
30	50.810	1.7955	1.40	36	64.086	1.4519	1.75
31	54.954	1.6695	4.21	8	18.734	4.7329	1.54
32	55.410	1.6568	2.81 ?	24	37.712	2.3834	1.71
33	59.971	1.5413	11.03	6	16.447	5.3853	1.51
34	61.344	1.5100	1.80	30	50.810	1.7955	1.40
35	61.792	1.5002	2.26	19	32.092	2.7868	1.34
36	64.086	1.4519	1.75				



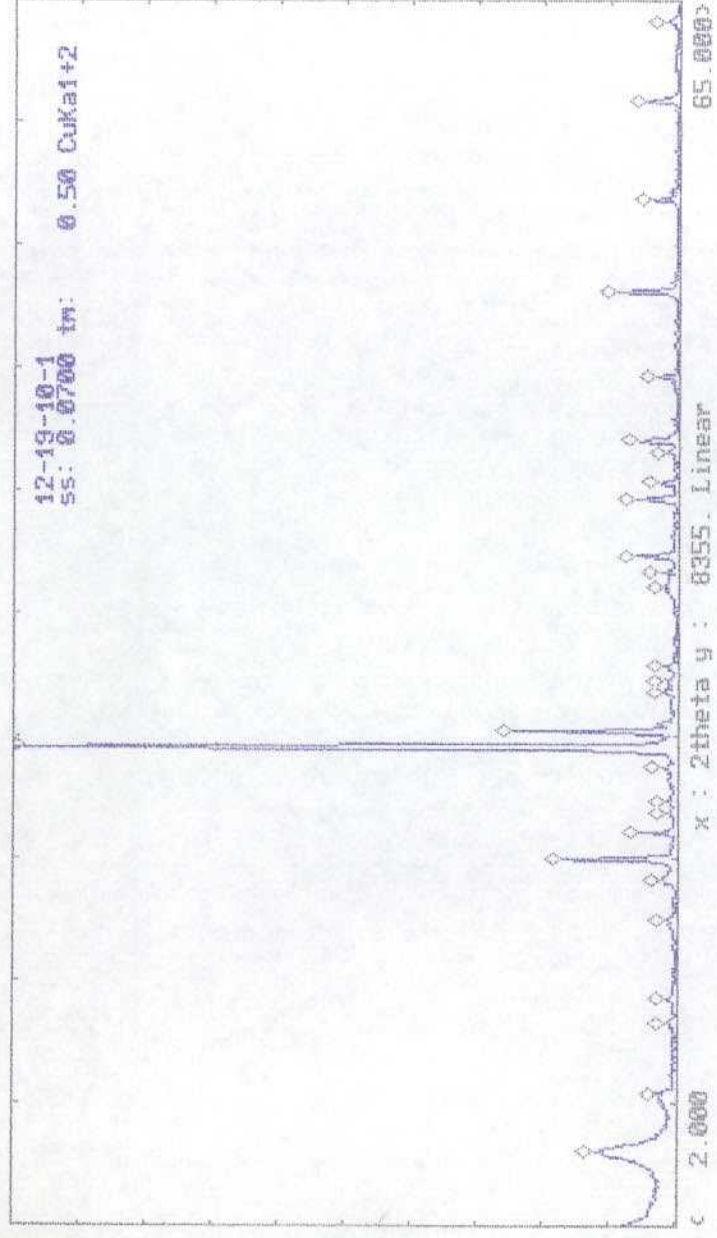
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.689	15.5215	7.06	11	26.587	3.3501	100.00
2	8.448	10.4582	4.74	8	20.811	4.2649	21.31
3	8.686	10.1716	3.94	24	50.124	1.8185	8.80
4	12.448	7.1053	2.12	27	59.997	1.5407	8.54
5	13.777	6.4223	1.39	18	39.426	2.2837	8.29
6	17.747	4.9938	2.00	1	5.689	15.5215	7.06
7	19.844	4.4704	3.45	12	27.419	3.2502	6.83
8	20.811	4.2649	21.31	17	36.556	2.4561	6.35
9	24.247	3.6677	2.09	21	42.426	2.1289	5.65
10	25.579	3.4797	4.40	13	27.961	3.1884	5.17
11	26.587	3.3501	100.00	2	8.448	10.4582	4.74
12	27.419	3.2502	6.83	10	25.579	3.4797	4.40
13	27.961	3.1884	5.17	25	54.920	1.6705	4.33 ?
14	29.449	3.0306	3.08	3	8.686	10.1716	3.94
15	30.170	2.9598	1.97	23	45.750	1.9816	3.55 ?
16	34.967	2.5639	3.08	7	19.844	4.4704	3.45
17	36.556	2.4561	6.35	16	34.967	2.5639	3.08
18	39.426	2.2837	8.29	14	29.449	3.0306	3.08
19	40.272	2.2376	3.06	19	40.272	2.2376	3.06
20	41.814	2.1586	1.96	4	12.448	7.1053	2.12
21	42.426	2.1289	5.65	9	24.247	3.6677	2.09
22	45.338	1.9987	2.07	22	45.338	1.9987	2.07
23	45.750	1.9816	3.55 ?	6	17.747	4.9938	2.00
24	50.124	1.8185	8.80	28	64.013	1.4533	1.97
25	54.920	1.6705	4.33 ?	15	30.170	2.9598	1.97
26	55.378	1.6577	1.78	20	41.814	2.1586	1.96
27	59.997	1.5407	8.54	26	55.378	1.6577	1.78
28	64.013	1.4533	1.97	5	13.777	6.4223	1.39



Sample: 12-19-10-1
Data file: 10-1.RAW

17-Jul-1991 07:40:20

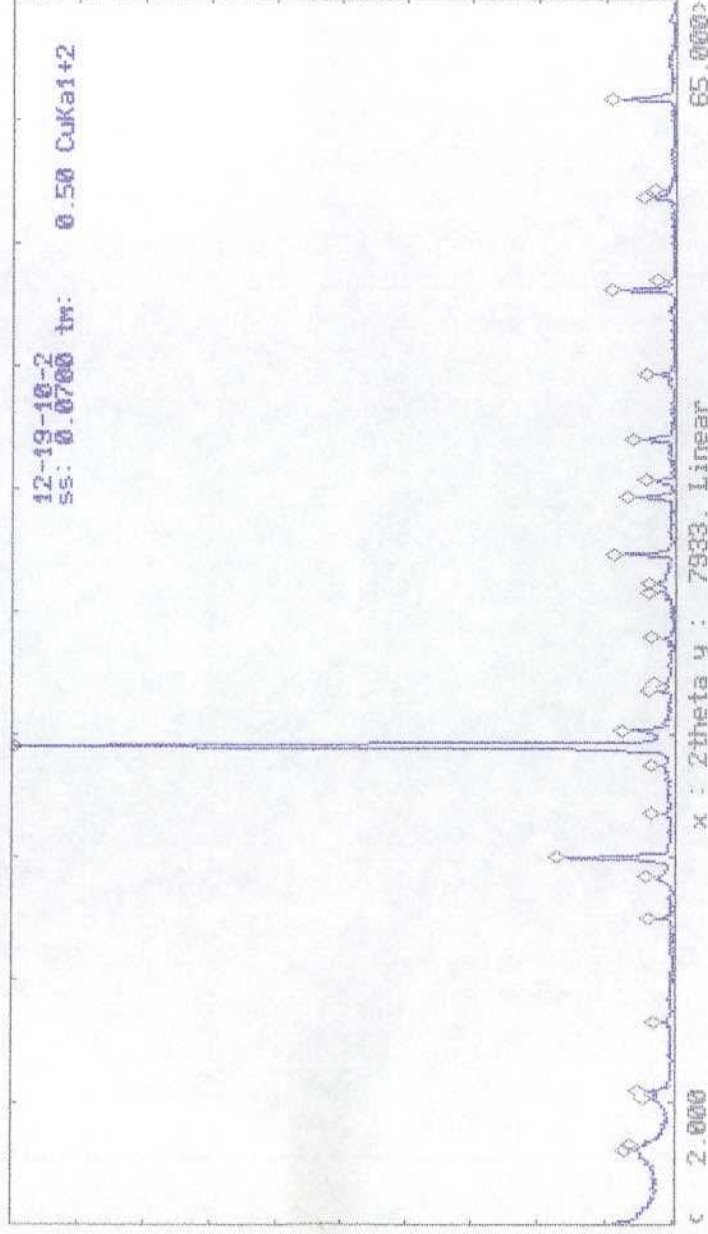
Sed	2theta	d	rel. I	Sed	2theta	d	rel. I
1	5.768	15.3107	12.32	12	26.677	3.3389	100.00
2	8.717	10.1355	2.84	13	27.516	3.2390	24.75
3	12.417	7.1226	1.40	7	20.900	4.2469	17.12
4	13.690	6.4631	1.78	1	5.768	15.3107	12.32
5	17.697	5.0076	1.77	25	50.186	1.8164	9.28
6	19.804	4.4794	2.49	20	39.520	2.2784	6.55
7	20.900	4.2469	17.12	19	36.542	2.4570	6.48
8	22.294	3.9845	5.54	23	42.530	2.1239	5.08
9	23.259	3.8212	1.56	8	22.294	3.9845	5.54
10	23.872	3.7245	1.56	27	59.989	1.5409	4.87
11	25.603	3.4765	2.43	26	54.921	1.6704	3.83
12	26.677	3.3389	100.00	24	45.825	1.9786	3.23
13	27.516	3.2390	24.75	21	40.343	2.2338	2.98
14	29.527	3.0228	2.07	18	35.720	2.5117	2.97
15	30.119	2.9647	1.86	2	8.717	10.1355	2.84
16	30.840	2.8970	1.97	6	19.804	4.4794	2.49
17	34.970	2.5638	2.03	11	25.603	3.4765	2.43
18	35.720	2.5117	2.97	14	29.527	3.0228	2.07
19	36.542	2.4570	6.48	17	34.970	2.5638	2.03
20	39.520	2.2784	6.55	16	30.840	2.8970	1.97
21	40.343	2.2338	2.98	28	64.050	1.4526	1.89
22	41.900	2.1544	1.44	15	30.119	2.9647	1.86
23	42.530	2.1239	6.08	4	13.690	6.4631	1.78
24	45.825	1.9786	3.23	5	17.697	5.0076	1.77
25	50.186	1.8164	9.28	10	23.872	3.7245	1.58
26	54.921	1.6704	3.83	9	23.259	3.8212	1.56
27	59.989	1.5409	4.87	22	41.900	2.1544	1.44
28	64.050	1.4526	1.89	3	12.417	7.1226	1.40



Sample: 12-19-10-2
Data file: 10-2.RAW

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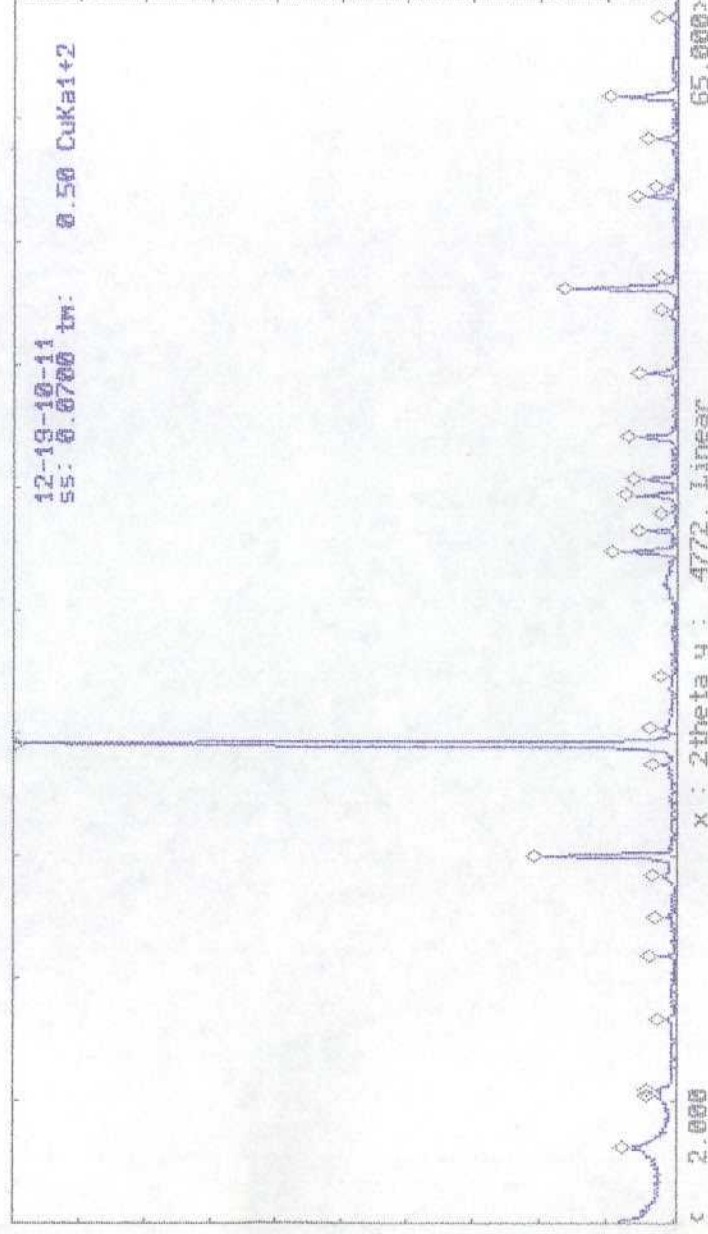
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.768	15.3088	5.89	11	26.661	3.3409	100.00
2	6.060	14.5728	5.19 ?	8	20.900	4.2469	16.17 ?
3	8.411	10.5041	3.09	23	50.173	1.8168	8.16
4	8.937	9.9989	4.16	27	59.984	1.5410	7.88
5	12.411	7.1264	1.66	18	36.528	2.4579	7.55
6	17.761	4.9899	2.21	12	27.452	3.2464	6.23
7	19.873	4.4641	2.94	1	5.768	15.3088	5.89
8	20.900	4.2469	16.17 ?	19	39.484	2.2805	5.60
9	23.198	3.8312	2.17	2	6.060	14.5728	5.19 ?
10	25.620	3.4742	2.07	21	42.495	2.1256	4.93
11	26.661	3.3409	100.00	4	8.837	9.9989	4.16
12	27.452	3.2464	6.23	25	54.921	1.6704	3.10
13	29.465	3.0290	2.21	3	8.411	10.5041	3.09
14	29.930	2.9830	1.71 ?	7	19.873	4.4641	2.94
15	32.240	2.7744	1.94 ?	20	40.344	2.2338	2.92
16	34.579	2.5919	2.32	22	45.820	1.9787	2.71
17	35.007	2.5612	2.57	17	35.007	2.5612	2.57
18	36.528	2.4579	7.55	16	34.579	2.5919	2.32
19	39.484	2.2805	5.60	13	29.465	3.0290	2.21
20	40.344	2.2338	2.92	6	17.761	4.9899	2.21
21	42.495	2.1256	4.93	9	23.198	3.8312	2.17
22	45.820	1.9787	2.71	10	25.620	3.4742	2.07
23	50.173	1.8168	8.16	15	32.240	2.7744	1.94 ?
24	50.684	1.7997	1.36	14	29.930	2.9830	1.71 ?
25	54.921	1.6704	3.10	5	12.411	7.1264	1.66
26	55.340	1.6588	1.56 ?	26	55.340	1.6588	1.56 ?
27	59.984	1.5410	7.88	24	50.684	1.7997	1.36



Sample: 12-19-10-11
Data file: 10-11.RAW

17-Jul-1991 08:23:24

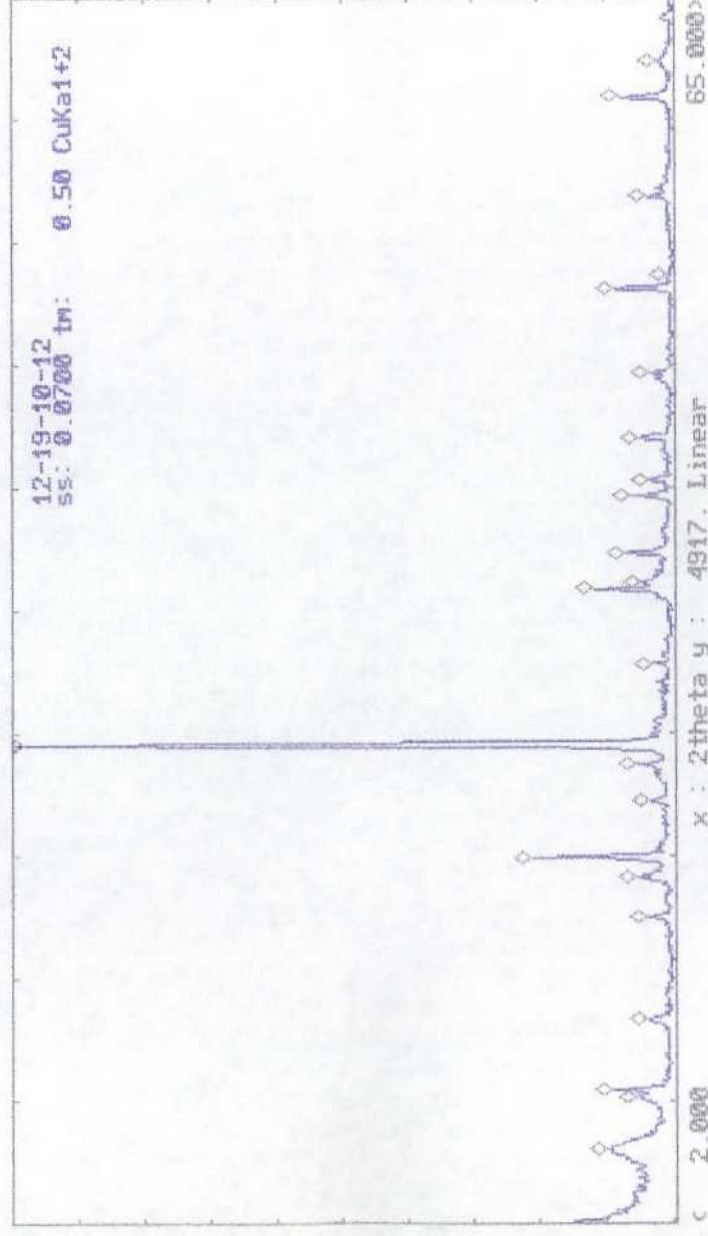
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.841	15.1189	6.24	10	26.642	3.3432	100.00
2	8.482	10.4162	2.66	8	20.897	4.2475	19.47
3	8.810	10.0287	2.81	21	50.201	1.8159	15.23
4	12.451	7.1035	1.32	26	60.057	1.5393	8.21
5	15.745	5.6240	2.51	13	36.588	2.4541	7.94
6	17.750	4.9929	1.45	1	5.841	15.1189	6.24
7	19.871	4.4645	2.05	16	39.543	2.2772	5.95
8	20.897	4.2475	19.47	18	42.525	2.1242	5.47
9	25.649	3.4704	1.87	17	40.342	2.2339	4.67
10	26.642	3.3432	100.00	23	54.920	1.6705	4.25
11	27.533	3.2370	2.56	19	45.849	1.9776	4.13
12	30.181	2.9588	0.90	14	37.679	2.3854	4.00
13	36.588	2.4541	7.94	3	8.810	10.0287	2.81
14	37.679	2.3854	4.00	25	57.904	1.5913	2.75
15	38.640	2.3283	0.90	2	8.482	10.4162	2.66
16	39.543	2.2772	5.95	11	27.533	3.2370	2.56
17	40.342	2.2339	4.67	5	15.745	5.6240	2.51
18	42.525	2.1242	5.47	7	19.871	4.4645	2.05
19	45.849	1.9776	4.13	9	25.649	3.4704	1.87
20	49.040	1.8561	0.84	24	55.410	1.6569	1.51
21	50.201	1.8159	15.23	6	17.750	4.9929	1.45
22	50.790	1.7962	0.86	27	64.124	1.4511	1.36
23	54.920	1.6705	4.25	4	12.451	7.1035	1.32
24	55.410	1.6569	1.51	15	38.640	2.3283	0.90
25	57.904	1.5913	2.75	12	30.181	2.9588	0.90
26	60.057	1.5393	8.21	22	50.790	1.7962	0.86
27	64.124	1.4511	1.36	20	49.040	1.8561	0.84



Sample: 12-19-10-12
Data file: 10-12.RAW

17-Jul-1991 08:28:12

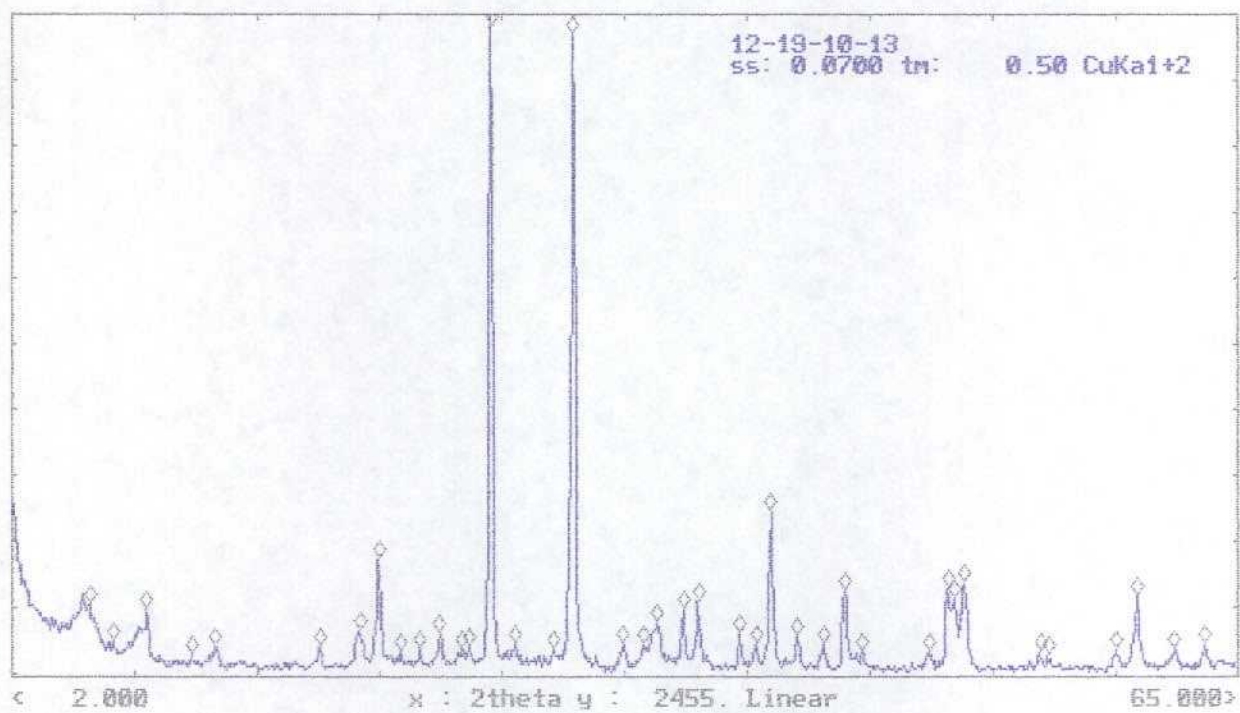
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.727	15.4196	10.01	10	26.641	3.3433	100.00
2	8.382	10.5397	5.59	7	20.827	4.2617	21.07
3	8.790	10.0519	9.25	12	34.690	2.5838	12.14
4	12.458	7.0992	3.97	1	5.727	15.4196	10.01
5	17.715	5.0026	3.95	3	8.790	10.0519	9.25
6	19.824	4.4750	5.61	19	50.143	1.8178	8.95
7	20.827	4.2617	21.07	22	60.026	1.5400	8.18
8	23.728	3.7468	3.68	14	36.510	2.4591	7.20
9	25.600	3.4769	5.57	15	39.519	2.2785	6.32
10	26.641	3.3433	100.00	6	19.824	4.4750	5.61
11	30.790	2.9017	3.21	2	8.382	10.5397	5.59
12	34.690	2.5838	12.14	9	25.600	3.4769	5.57
13	35.040	2.5588	4.78	17	42.472	2.1267	5.04
14	36.510	2.4591	7.20	13	35.040	2.5588	4.78
15	39.519	2.2785	6.32	4	12.458	7.0992	3.97
16	40.321	2.2350	3.64	5	17.715	5.0026	3.95
17	42.472	2.1267	5.04	21	54.878	1.6717	3.88
18	45.820	1.9788	3.50	8	23.728	3.7468	3.68
19	50.143	1.8178	8.95	16	40.321	2.2350	3.64
20	50.856	1.7940	0.94	18	45.820	1.9788	3.50
21	54.878	1.6717	3.88	11	30.790	2.9017	3.21
22	60.026	1.5400	8.18	23	61.807	1.4998	2.42
23	61.807	1.4998	2.42	20	50.856	1.7940	0.94



Sample: 12-19-10-13
Data file: 10-13.RAW

20-Jul-1991 22:14:54

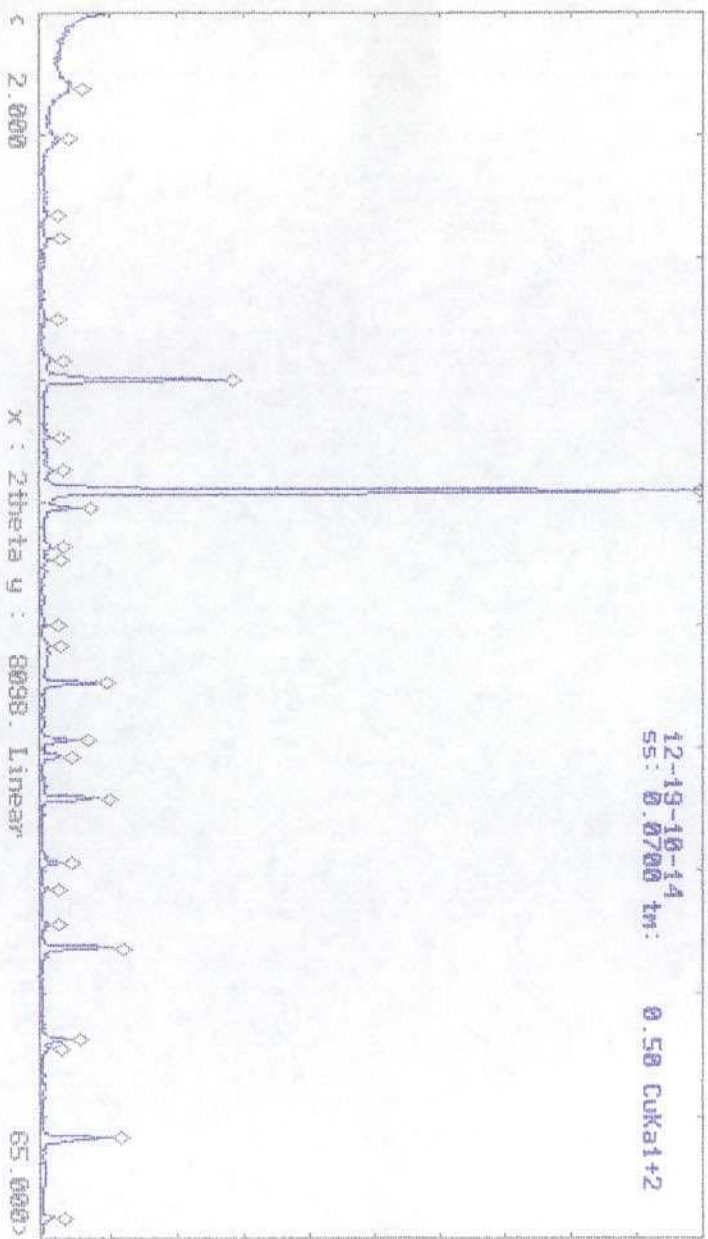
Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.920	14.9171	11.00 ?	14	26.679	3.3386	100.00
2	7.136	12.3772	5.01	17	30.927	2.8891	97.07
3	8.813	10.0262	10.10	25	41.106	2.1941	24.89
4	11.200	7.8940	3.05	8	20.884	4.2502	17.47
5	12.421	7.1206	4.56	33	51.027	1.7884	13.97
6	17.820	4.9734	4.40 ?	31	50.229	1.8149	13.20
7	19.852	4.4687	6.88	28	44.944	2.0153	12.79
8	20.884	4.2502	17.47	37	59.951	1.5418	11.85
9	21.996	4.0377	3.42	32	50.560	1.8038	11.60
10	22.965	3.8695	4.03	22	37.364	2.4048	11.08
11	23.991	3.7063	6.44	1	5.920	14.9171	11.00 ?
12	25.147	3.5385	3.87	21	36.892	2.4538	10.14
13	25.584	3.4791	4.52	3	8.813	10.0262	10.10
14	26.679	3.3386	100.00	20	35.225	2.5458	7.90
15	27.864	3.1993	4.73	7	19.852	4.4687	6.88
16	29.892	2.9867	4.20	11	23.991	3.7063	6.44
17	30.927	2.8891	97.07	23	39.466	2.2814	6.31
18	33.498	2.6730	4.97	26	42.499	2.1254	6.07
19	34.538	2.5948	4.80	2	7.136	12.3772	5.01
20	35.225	2.5458	7.90	18	33.498	2.6730	4.97
21	36.592	2.4538	10.14	19	34.538	2.5948	4.80
22	37.364	2.4048	11.08	24	40.360	2.2329	4.73 ?
23	39.466	2.2814	6.31	15	27.864	3.1993	4.73
24	40.360	2.2329	4.73 ?	27	43.793	2.0655	4.64
25	41.106	2.1941	24.89	39	63.407	1.4658	4.60
26	42.499	2.1254	6.07	5	12.421	7.1206	4.56
27	43.793	2.0655	4.64	13	25.584	3.4791	4.52
28	44.944	2.0153	12.79	6	17.820	4.9734	4.40 ?
29	45.820	1.9788	3.75 ?	16	29.892	2.9867	4.20
30	49.257	1.8484	3.54	10	22.965	3.8695	4.03
31	50.229	1.8149	13.20	38	61.843	1.4990	3.99
32	50.560	1.8038	11.60	12	25.147	3.5385	3.87
33	51.027	1.7884	13.97	36	58.840	1.5682	3.83 ?
34	54.985	1.6692	3.50	29	45.820	1.9788	3.75 ?
35	55.390	1.6574	3.26	30	49.257	1.8484	3.54
36	58.840	1.5682	3.83 ?	34	54.985	1.6692	3.50
37	59.951	1.5418	11.85	9	21.996	4.0377	3.42
38	61.843	1.4990	3.99	35	55.390	1.6574	3.26
39	63.407	1.4658	4.60	4	11.200	7.8940	3.05



Sample: 12-19-10-14
Data file: 10-14.RAW

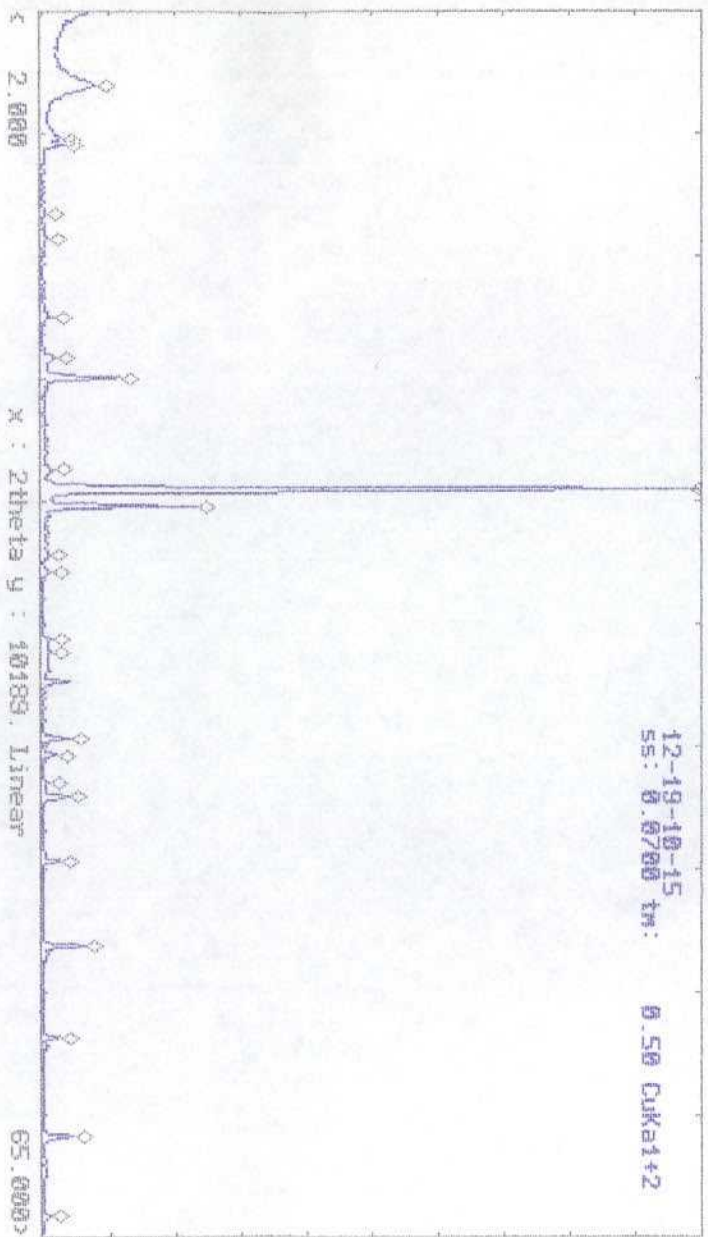
20-Jul-1991 22:20:29

Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.858	15.0751	4.72	10	26.661	3.3409	100.00
2	8.403	10.5142	2.72	7	20.900	4.2469	27.18 ?
3	12.373	7.1482	1.31	23	50.222	1.8151	10.74
4	13.620	6.4962	1.46 ?	26	59.990	1.5408	10.51
5	17.727	4.9993	1.01	19	42.518	2.1245	8.62
6	19.884	4.4615	1.83	16	36.531	2.4577	8.47
7	20.900	4.2469	27.18 ?	11	27.537	3.2365	5.83
8	23.808	3.7344	1.53	17	39.520	2.2784	5.71 ?
9	25.555	3.4829	2.14	1	5.858	15.0751	4.72
10	26.661	3.3409	100.00	24	54.923	1.6704	4.32
11	27.537	3.2365	5.83	20	45.846	1.9777	3.32
12	29.491	3.0264	1.88	18	40.347	2.2336	3.14
13	30.206	2.9564	1.62	2	8.403	10.5142	2.72
14	33.500	2.6728	1.23 ?	9	25.555	3.4829	2.14
15	34.639	2.5875	1.44	27	64.089	1.4518	2.11
16	36.531	2.4577	8.47	12	29.491	3.0264	1.88
17	39.520	2.2784	5.71 ?	6	19.884	4.4615	1.83
18	40.347	2.2336	3.14	13	30.206	2.9564	1.62
19	42.518	2.1245	8.62	25	55.410	1.6568	1.56 ?
20	45.846	1.9777	3.32	8	23.808	3.7344	1.53
21	47.199	1.9241	1.22	4	13.620	6.4962	1.46 ?
22	48.991	1.8578	1.35	15	34.639	2.5875	1.44
23	50.222	1.8151	10.74	22	48.991	1.8578	1.35
24	54.923	1.6704	4.32	3	12.373	7.1482	1.31
25	55.410	1.6568	1.56 ?	14	33.500	2.6728	1.23 ?
26	59.990	1.5408	10.51	21	47.199	1.9241	1.22
27	64.089	1.4518	2.11	5	17.727	4.9993	1.01



Seq	2theta	d	rel. I
1	5.746	15.3675	8.21
2	8.492	10.4042	3.10
3	8.861	9.9717	3.75
4	12.372	7.1487	0.94
5	13.653	6.4804	1.36
6	17.754	4.9917	2.08
7	19.770	4.4871	2.25
8	20.885	4.2499	11.93
9	25.578	3.4798	1.93
10	26.630	3.3447	100.00
11	27.504	3.2403	23.57
12	30.014	2.9749	1.27
13	30.846	2.8965	1.74
14	34.357	2.6081	1.56
15	34.985	2.5627	1.59
16	39.500	2.2796	4.55
17	40.340	2.2340	2.28
18	41.757	2.1614	1.09
19	42.491	2.1257	3.97
20	45.777	1.9805	2.80
21	50.142	1.8179	6.38
22	54.908	1.6708	2.77
23	59.953	1.5417	4.82
24	64.051	1.4526	1.14

Seq	2theta	d	rel. I
10	26.630	3.3447	100.00
11	27.504	3.2403	23.57
8	20.885	4.2499	11.93
1	5.746	15.3675	8.21
21	50.142	1.8179	6.38
23	59.953	1.5417	4.82
16	39.500	2.2796	4.55
19	42.491	2.1257	3.97
3	8.861	9.9717	3.75
2	8.492	10.4042	3.10
20	45.777	1.9805	2.80
22	54.908	1.6708	2.77
17	40.340	2.2340	2.28
7	19.770	4.4871	2.25
6	17.754	4.9917	2.08
9	25.578	3.4798	1.93
13	30.846	2.8965	1.74
15	34.985	2.5627	1.59
14	34.357	2.6081	1.56
5	13.653	6.4804	1.36
12	30.014	2.9749	1.27
24	64.051	1.4526	1.14
18	41.757	2.1614	1.09
4	12.372	7.1487	0.94



Seq	2theta	d	rel. I	Seq	2theta	d	rel. I
1	5.768	15.3087	14.27	12	26.672	3.3396	100.00
2	8.416	10.4981	4.26	8	20.903	4.2463	21.46
3	8.860	9.9727	6.06 ?	1	5.768	15.3087	14.27
4	12.486	7.0835	2.11	22	50.195	1.8161	8.92
5	13.641	6.4864	1.55	13	27.539	3.2363	8.37
6	17.780	4.9844	3.11	25	60.026	1.5400	7.82
7	19.865	4.4659	3.63	18	39.556	2.2765	7.67
8	20.903	4.2463	21.46	3	8.860	9.9727	6.06 ?
9	23.273	3.8189	1.73	17	36.636	2.4509	5.94
10	23.997	3.7054	1.82	20	42.508	2.1249	5.81
11	25.573	3.4805	2.29	23	54.986	1.6686	4.83
12	26.672	3.3396	100.00	2	8.416	10.4981	4.26
13	27.539	3.2363	8.37	7	19.865	4.4659	3.63
14	30.210	2.9560	2.25 ?	16	35.058	2.5575	3.56
15	34.640	2.5875	2.37	21	45.879	1.9763	3.50
16	35.058	2.5575	3.56	19	40.325	2.2348	3.32
17	36.636	2.4509	5.94	6	17.780	4.9844	3.11
18	39.556	2.2765	7.67	15	34.640	2.5875	2.37
19	40.325	2.2348	3.32	11	25.573	3.4805	2.29
20	42.508	2.1249	5.81	14	30.210	2.9560	2.25 ?
21	45.879	1.9763	3.50	4	12.486	7.0835	2.11
22	50.195	1.8161	8.92	24	55.353	1.6584	1.94
23	54.986	1.6686	4.83	10	23.997	3.7054	1.82
24	55.353	1.6584	1.94	26	61.360	1.5097	1.73 ?
25	60.026	1.5400	7.82	9	23.273	3.8189	1.73
26	61.360	1.5097	1.73 ?	27	64.081	1.4520	1.61
27	64.081	1.4520	1.61	5	13.641	6.4864	1.55

