

ALLEGATI

DIFFRATTOGRAMMI CAMPIONI VACCARIZZO – MONTALTO

File: MA4.DI 18-may-2006 11:43
 =====
 c PC-APD, Diffraction software

Sample identification: ma4
 Data measured at: 18-may-2006 11:24:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

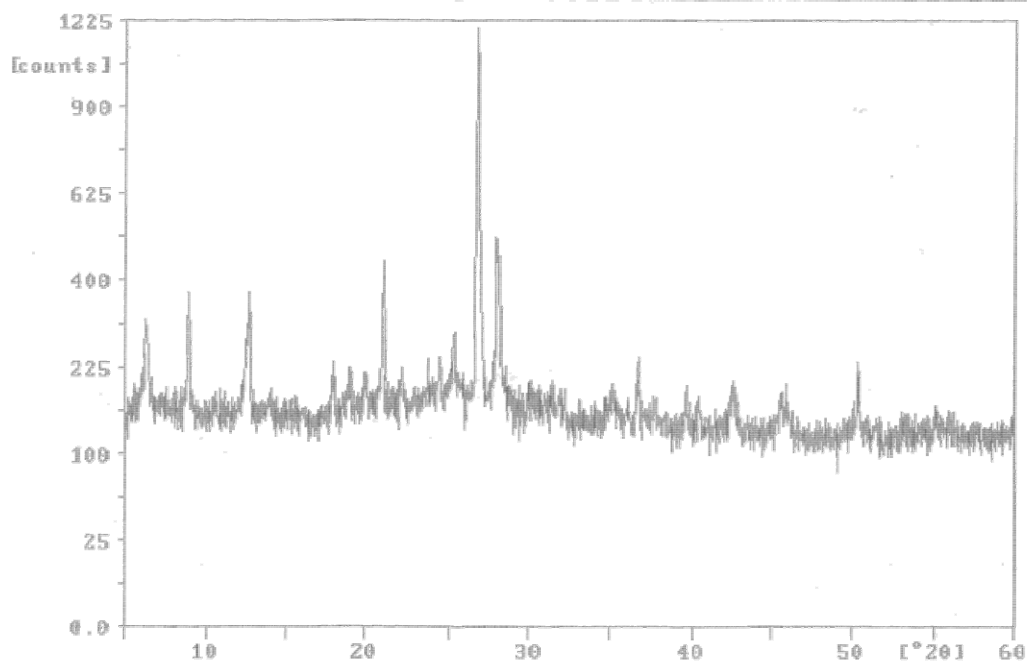
Start angle [°2θ]: 5.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1056.250
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 23

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.370	13.8643	13.8984	0.240	36	146	3.4	3.36
9.040	9.7745	9.7985	0.100	66	146	6.2	2.35
12.700	6.9646	6.9818	0.060	94	149	8.9	2.84
14.080	6.2850	6.3004	0.480	7	146	0.7	1.03
17.945	4.9391	4.9512	0.160	56	139	5.3	1.49
19.000	4.6671	4.6786	0.200	53	137	5.0	1.05
19.950	4.4470	4.4579	0.320	49	137	4.6	1.61
21.015	4.2240	4.2344	0.120	207	137	19.6	2.69
22.135	4.0127	4.0226	0.160	52	135	4.9	1.33
24.455	3.6370	3.6460	0.200	77	135	7.3	1.47
25.385	3.5058	3.5145	0.080	146	132	13.9	1.10
26.785	3.3257	3.3339	0.140	1056	132	100.0	10.38
27.955	3.1891	3.1970	0.080	357	132	33.8	1.42
30.025	2.9738	2.9811	0.240	58	130	5.5	1.54
32.055	2.7899	2.7968	0.960	34	130	3.2	1.35
35.020	2.5602	2.5665	0.640	58	128	5.5	1.59
36.160	2.4821	2.4882	0.280	31	125	3.0	1.27
36.665	2.4490	2.4551	0.100	144	125	13.6	1.12
39.650	2.2713	2.2769	0.120	85	123	8.0	1.43
42.560	2.1225	2.1277	0.320	86	121	8.2	1.43
45.540	1.9903	1.9952	0.240	86	121	8.2	1.17

Sample identification: ma4

18-may-2006 11:45



c

PC-APD, Diffraction software

Sample identification: ma21

Data measured at: 18-may-2006 12:05:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

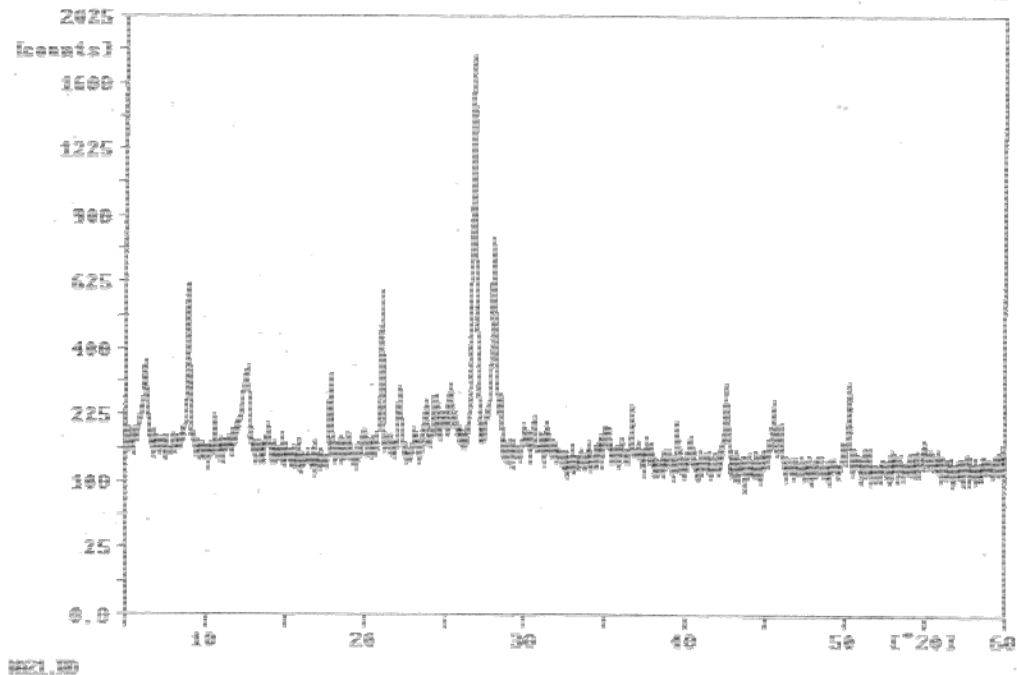
Start angle [°2θ]: 5.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1632.160
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 26

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.305	14.0070	14.0415	0.200	37	159	2.3	2.58
9.000	9.8179	9.8420	0.120	159	154	9.7	6.48
10.585	8.3510	8.3716	0.080	29	151	1.8	1.67
12.670	6.9811	6.9982	0.080	92	146	5.6	1.21
13.975	6.3320	6.3475	0.160	29	144	1.8	1.04
17.895	4.9528	4.9649	0.100	130	135	8.0	2.10
19.980	4.4404	4.4513	0.200	35	137	2.1	1.06
21.005	4.2260	4.2363	0.120	357	139	21.9	5.48
22.140	4.0118	4.0217	0.140	114	139	7.0	2.62
22.995	3.8645	3.8740	0.240	34	139	2.1	1.22
23.720	3.7480	3.7573	0.200	88	142	5.4	2.41
24.380	3.6480	3.6570	0.240	100	142	6.1	1.32
25.315	3.5154	3.5240	0.160	130	142	8.0	1.80
26.770	3.3275	3.3357	0.120	1632	144	100.0	10.89
28.085	3.1746	3.1825	0.120	692	144	42.4	3.86
29.905	2.9854	2.9928	0.320	38	146	2.4	1.23
30.590	2.9201	2.9273	0.240	77	146	4.7	2.65
35.150	2.5511	2.5573	0.240	79	130	4.9	2.46
36.670	2.4487	2.4547	0.080	142	128	8.7	1.05
37.790	2.3787	2.3845	0.400	38	125	2.4	1.36
39.575	2.2754	2.2810	0.160	121	123	7.4	1.47

Sample identification: ma21

18-may-2006 12:25



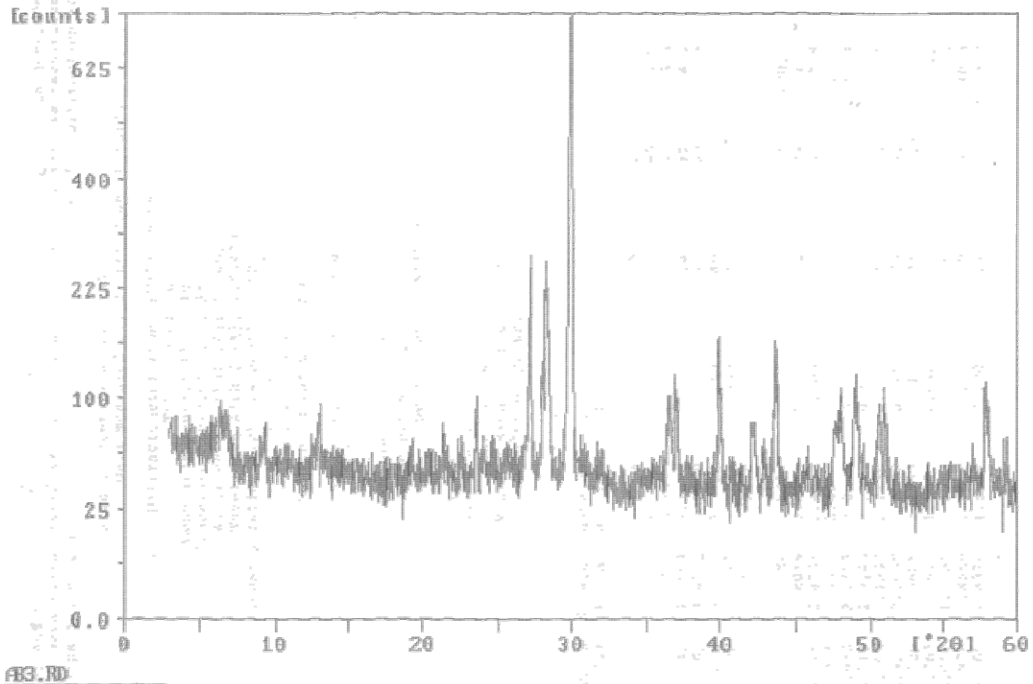
Sample identification: AB3
 Data measured at: 27-nov-2006 10:52:00

Diffractometer type: FW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO
 Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.970
 Step size [°2θ]: 0.020
 Maximum intensity: 670.8100
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 27

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.650	13.2811	13.3138	0.800	25	53	3.7	2.72
9.410	9.3910	9.4141	0.120	27	46	4.0	1.04
13.035	6.7864	6.8031	0.160	36	45	5.4	1.26
21.345	4.1594	4.1696	0.120	28	41	4.2	1.04
22.565	3.9372	3.9469	0.160	16	40	2.4	0.76
23.625	3.7629	3.7721	0.240	49	38	7.3	2.48
25.680	3.4662	3.4748	0.480	17	38	2.5	1.30
27.225	3.2729	3.2810	0.140	225	37	33.5	5.10
28.270	3.1543	3.1620	0.060	231	36	34.4	0.88
29.875	2.9884	2.9957	0.160	671	35	100.0	12.70
31.915	2.8019	2.8088	0.480	12	34	1.7	1.28
36.515	2.4588	2.4648	0.200	50	37	7.5	1.82
36.935	2.4318	2.4377	0.080	85	36	12.6	0.97
39.940	2.2555	2.2610	0.140	130	34	19.4	3.17
40.715	2.2143	2.2197	0.320	10	34	1.5	0.84
42.200	2.1397	2.1450	0.200	42	34	6.3	1.90
42.955	2.1039	2.1090	0.240	28	32	4.2	1.54
43.720	2.0688	2.0739	0.080	125	32	18.7	1.21
45.765	1.9810	1.9859	0.640	12	32	1.8	0.77
48.010	1.8935	1.8981	0.160	66	32	9.8	1.01
48.970	1.8586	1.8632	0.280	69	32	10.3	4.38
49.560	1.8378	1.8424	0.120	21	32	3.2	0.98

Sample identification: AB4 28-nov-2006 12:31



Sample identification: AB2
Data measured at: 27-nov-2006 10:30:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

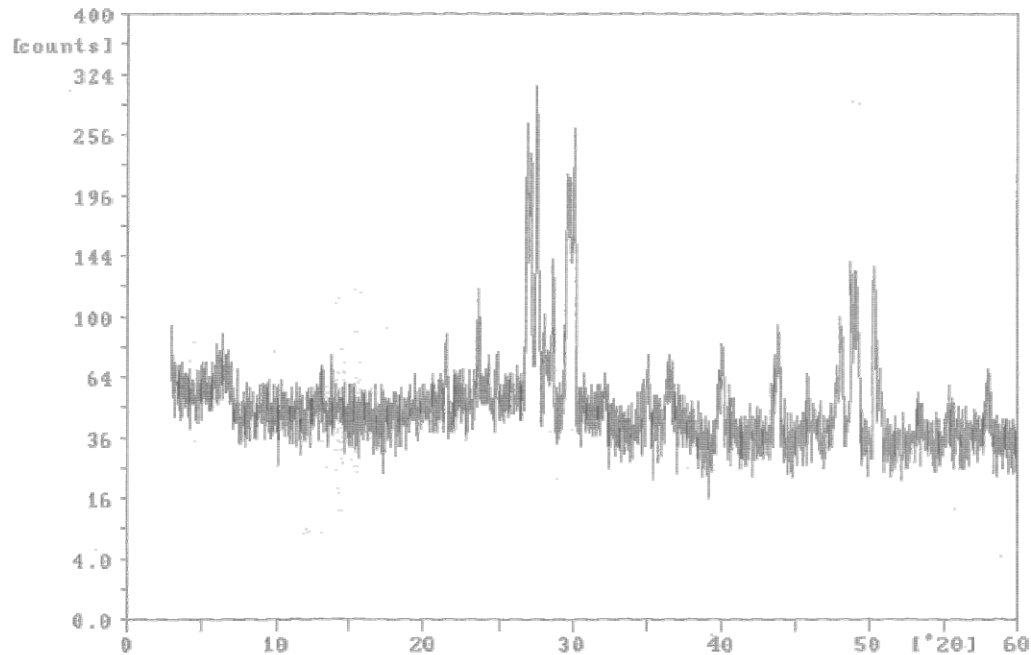
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 268.9600
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 26

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.665	13.2513	13.2839	0.960	4	49	1.6	2.87
12.865	6.8757	6.8926	0.960	4	46	1.3	1.21
21.460	4.1374	4.1475	0.160	18	48	6.6	1.10
22.220	3.9975	4.0074	0.480	7	48	2.5	1.06
23.670	3.7558	3.7651	0.160	48	46	17.7	1.64
24.820	3.5844	3.5932	0.240	24	45	8.9	1.91
26.910	3.3105	3.3187	0.140	210	44	78.2	4.34
27.165	3.2800	3.2881	0.200	156	44	58.1	3.10
27.565	3.2333	3.2413	0.080	269	42	100.0	2.39
28.060	3.1774	3.1852	0.120	46	42	17.2	1.53
28.620	3.1165	3.1242	0.120	104	42	38.7	2.46
29.665	3.0091	3.0165	0.100	159	41	59.0	1.67
30.045	2.9719	2.9792	0.080	237	41	88.2	1.33
32.100	2.7861	2.7930	0.960	13	38	4.8	1.14
35.020	2.5602	2.5665	0.240	34	38	12.5	2.99
36.495	2.4601	2.4661	0.400	28	38	10.4	1.37
40.060	2.2490	2.2545	0.160	55	34	20.4	1.14
43.835	2.0636	2.0687	0.120	64	35	23.8	1.98
45.975	1.9724	1.9773	0.640	17	34	6.2	1.22
48.120	1.8894	1.8941	0.160	98	32	36.4	1.13
48.760	1.8661	1.8707	0.200	156	32	58.1	2.88

Sample identification: AB2

27-nov-2006 10:50



AB2.FD

Sample identification: AB3
 Data measured at: 6-nov-2006 12:09:00

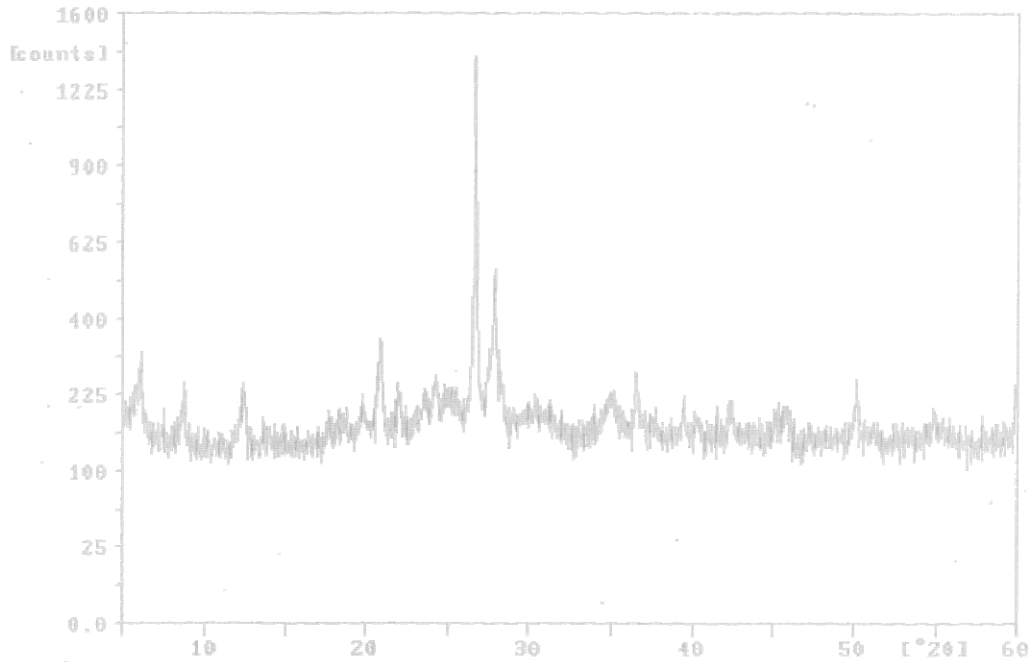
Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 5.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1204.090
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 19

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.120	14.4300	14.4655	0.120	38	135	3.2	1.13
8.805	10.0348	10.0595	0.160	30	135	2.5	1.89
12.415	7.1239	7.1414	0.320	44	132	3.6	2.37
17.730	4.9985	5.0108	0.240	26	139	2.2	1.58
19.765	4.4882	4.4992	0.320	37	146	3.1	1.08
20.865	4.2540	4.2645	0.100	154	149	12.8	1.33
21.990	4.0388	4.0488	0.200	61	151	5.1	1.68
24.215	3.6725	3.6816	0.160	83	156	6.9	1.43
26.645	3.3429	3.3511	0.140	1204	164	100.0	10.35
27.870	3.1986	3.2065	0.240	353	169	29.4	5.84
34.085	2.6283	2.6347	0.120	59	149	4.9	1.01
35.020	2.5602	2.5665	0.480	83	146	6.9	1.90
36.520	2.4584	2.4645	0.160	156	146	13.0	1.58
39.475	2.2809	2.2866	0.200	104	146	8.6	1.75
40.310	2.2356	2.2411	0.320	53	146	4.4	1.08
42.425	2.1289	2.1341	0.240	83	146	6.9	1.77
45.850	1.9775	1.9824	0.240	85	139	7.0	1.98
50.100	1.8193	1.8238	0.200	146	144	12.2	1.24
54.905	1.6709	1.6750	0.240	83	144	6.9	1.27

Sample identification: AB3 6-nov-2006 12:31



AB3.DI

Sample identification: AB4

Data measured at: 6-nov-2006 13:18:00

Diffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 5.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 1267.360

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

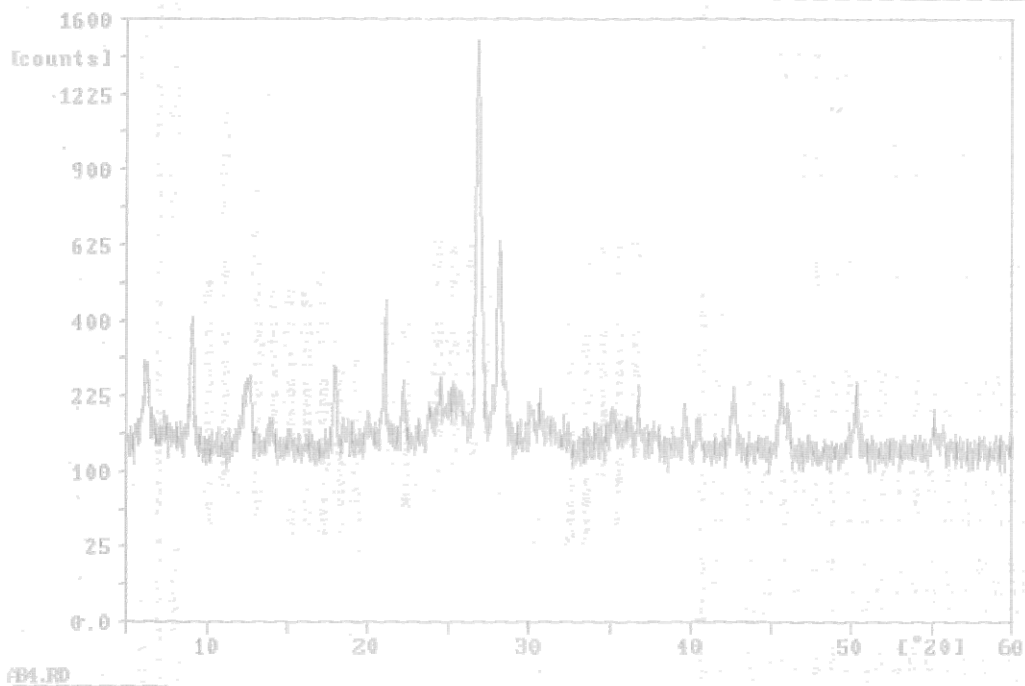
Minimum significance: 1.00

Number of peaks: 24

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.375	13.8534	13.8875	0.280	35	137	2.7	3.70
9.120	9.6889	9.7128	0.120	90	132	7.1	2.81
12.750	6.9374	6.9545	0.160	59	132	4.7	1.08
14.035	6.3050	6.3205	0.320	15	132	1.2	1.16
18.000	4.9241	4.9362	0.080	106	130	8.4	1.09
19.980	4.4404	4.4513	0.240	29	132	2.3	1.33
21.100	4.2071	4.2175	0.160	219	132	17.3	6.27
22.175	4.0056	4.0154	0.200	81	135	6.4	2.47
23.700	3.7512	3.7604	0.240	52	135	4.1	1.09
24.495	3.6312	3.6401	0.160	98	137	7.7	1.38
25.570	3.4809	3.4895	0.480	74	137	5.8	3.23
26.870	3.3154	3.3235	0.180	1267	139	100.0	17.22
28.165	3.1658	3.1736	0.100	502	142	39.6	1.84
30.095	2.9670	2.9743	0.240	61	144	4.8	2.60
30.640	2.9155	2.9227	0.120	90	144	7.1	1.59
35.180	2.5489	2.5552	0.240	56	137	4.4	1.41
36.730	2.4449	2.4509	0.160	125	135	9.9	1.46
37.860	2.3744	2.3803	0.480	28	132	2.2	1.07
39.680	2.2696	2.2752	0.160	100	130	7.9	1.18

Sample identification: AB4

6-nov-2006 13:40



Sample identification: ABS

Data measured at: 6-nov-2006 14:04:00

Diffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 5.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 650.2500

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

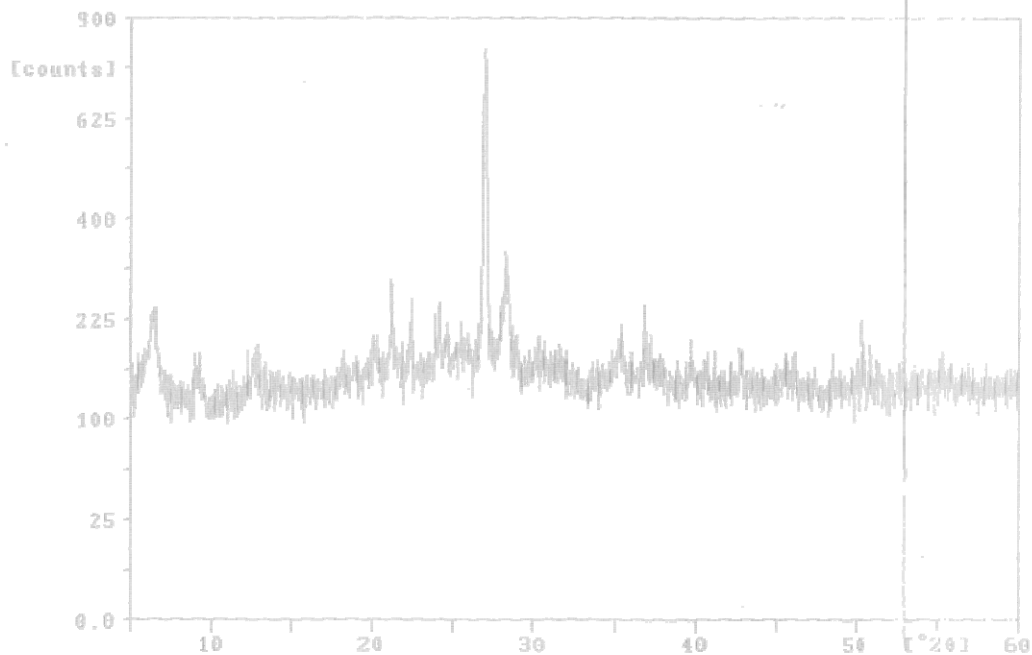
Minimum significance: 1.00

Number of peaks: 17

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.545	13.4939	13.5271	0.140	25	123	3.8	1.18
9.175	9.6310	8.6547	0.480	10	117	1.6	2.06
12.740	6.9429	6.9899	0.320	21	121	3.3	1.60
20.065	4.4218	4.4326	0.400	23	144	3.5	1.06
21.170	4.1934	4.2037	0.100	108	144	16.6	1.75
22.340	3.9763	3.9861	0.080	92	144	14.2	1.18
24.135	3.6845	3.6936	0.080	77	145	11.9	2.00
26.985	3.3015	3.3096	0.220	650	146	100.0	19.88
28.280	3.1532	3.1610	0.200	177	149	27.2	2.29
30.425	2.9356	2.9428	0.800	16	149	2.5	1.09
35.450	2.5301	2.5364	0.320	64	142	9.8	1.03
36.885	2.4349	2.4409	0.160	114	139	17.6	1.30
39.775	2.2644	2.2700	0.320	44	135	6.7	1.42
40.640	2.2182	2.2237	0.240	26	133	4.0	1.24
42.765	2.1128	2.1180	0.240	38	132	8.9	1.56
45.680	1.9845	1.9894	0.640	30	132	4.7	2.84
50.430	1.8081	1.8126	0.160	149	130	22.9	1.46

Sample identification: ABS

6-nov-2006 14:24



ABS.D1

Sample identification: AB6
Data measured at: 6-nov-2006 14:27:00

Diffractometer type: FW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

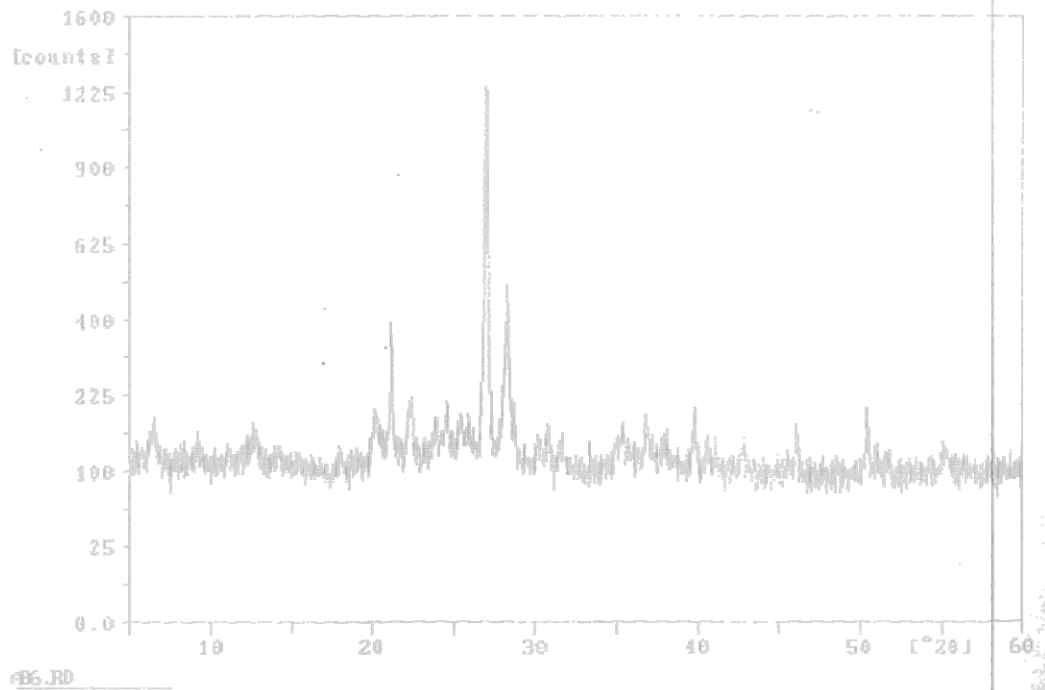
Start angle [°2θ]: 5.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1135.690
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 26

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.505	13.5768	13.6102	0.240	14	106	1.3	2.49
9.200	9.6049	9.6285	0.480	7	106	0.6	1.21
12.715	6.9565	6.9736	0.320	17	110	1.5	1.18
20.220	4.3882	4.3990	0.240	58	100	5.1	1.56
21.160	4.1953	4.2057	0.120	210	100	18.5	3.51
22.335	3.9772	3.9870	0.160	96	100	8.5	1.73
23.915	3.7179	3.7271	0.120	77	100	6.8	1.47
24.585	3.6181	3.6270	0.160	102	100	9.0	2.36
25.470	3.4943	3.5029	0.320	64	98	5.6	1.82
27.000	3.2997	3.3078	0.140	1136	98	100.0	11.71
28.245	3.1570	3.1648	0.060	412	98	36.3	4.08
28.755	3.1022	3.1098	0.120	86	98	7.6	1.90
30.205	2.9565	2.9637	0.240	46	98	4.1	1.39
30.840	2.8970	2.9042	0.140	40	98	3.5	1.53
31.645	2.8252	2.8321	0.240	35	98	3.1	1.08
33.375	2.6826	2.6892	0.120	32	96	2.9	1.01
35.380	2.5350	2.5412	0.240	81	96	7.1	1.76
36.905	2.4337	2.4397	0.160	108	96	9.5	1.00
37.810	2.3775	2.3833	0.400	55	96	4.8	1.20
39.795	2.2633	2.2689	0.080	121	94	10.7	1.11
40.600	2.2203	2.2258	0.240	58	94	5.1	1.74

Sample identification: AB6

6-nov-2006 14:47



Sample identification: AB7
 Data measured at: 6-nov-2006 14:49:00

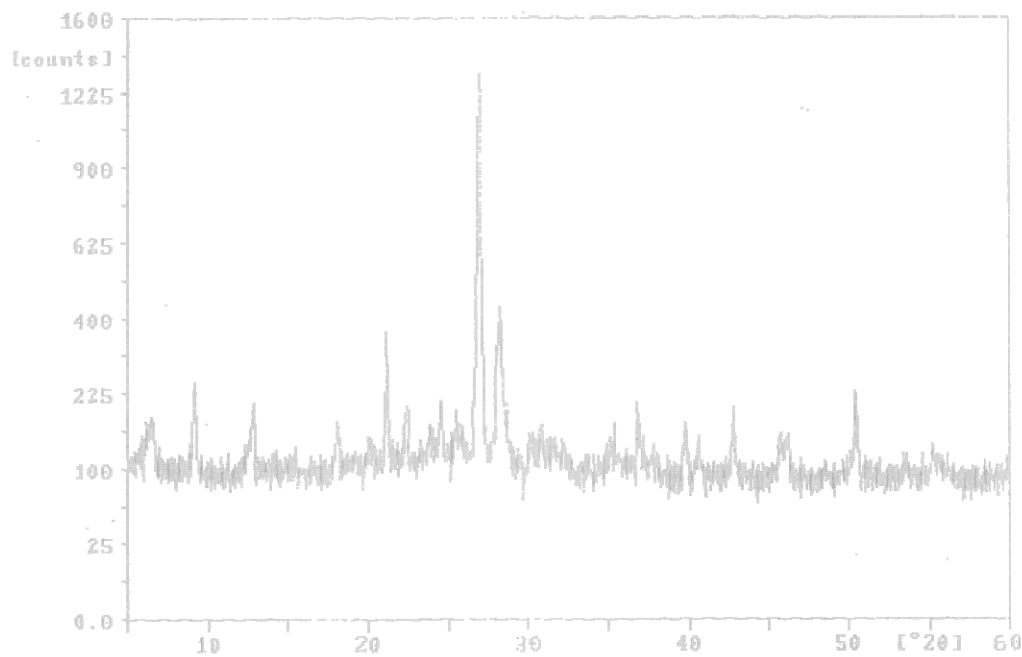
Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 5.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1128.960
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 23

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.530	13.5249	13.5582	0.160	18	100	1.6	1.31
9.165	9.6415	9.6652	0.100	55	96	4.9	1.90
12.845	6.8863	6.9033	0.160	48	94	4.2	1.80
18.080	4.9025	4.9146	0.120	44	94	3.9	3.16
20.100	4.4141	4.4250	0.240	30	96	2.7	1.79
21.180	4.1914	4.2017	0.100	182	98	16.1	1.70
22.360	3.9728	3.9826	0.200	85	98	7.5	2.38
23.865	3.7256	3.7348	0.240	46	100	4.1	2.00
24.580	3.6188	3.6277	0.240	77	100	6.9	2.68
25.475	3.4937	3.5023	0.120	67	102	6.0	1.16
26.975	3.3027	3.3108	0.140	1129	104	100.0	10.79
28.280	3.1532	3.1610	0.140	286	104	25.3	2.44
30.175	2.9593	2.9666	0.320	37	106	3.3	1.06
30.760	2.9044	2.9115	0.160	49	108	4.3	2.00
35.300	2.5406	2.5468	0.320	56	94	5.0	1.02
36.865	2.4362	2.4422	0.200	130	92	11.5	2.66
39.765	2.2650	2.2705	0.160	94	88	8.3	1.09
40.600	2.2203	2.2258	0.160	76	88	6.7	1.11
42.755	2.1132	2.1184	0.240	117	85	10.3	2.61
45.740	1.9820	1.9869	0.240	96	85	8.5	1.38
46.145	1.9656	1.9704	0.160	92	85	8.2	1.14

Sample identification: AB7 6-nov-2006 15:10

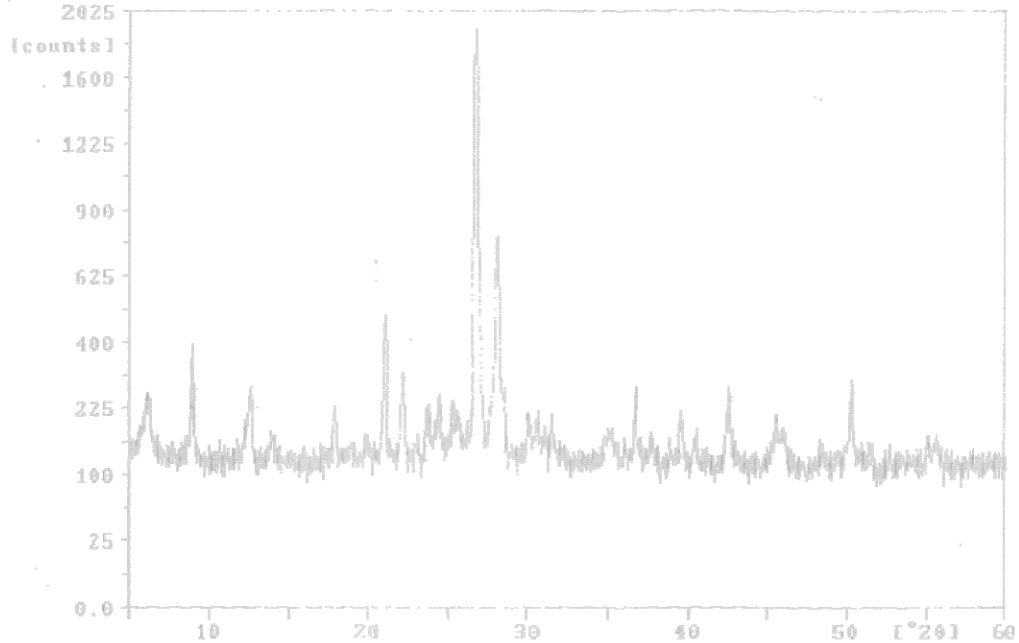


AB7.RD

Sample identification: ab8
 Data measured at: 6-nov-2006 11:20:00
 Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO
 Start angle [°2θ]: 5.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1474.560
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC
 Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 28

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.125	14.4183	14.4537	0.200	30	119	2.1	1.45
9.005	9.8124	9.8366	0.140	81	119	5.5	4.00
12.660	6.9865	7.0037	0.160	67	121	4.6	1.95
14.000	6.3207	6.3363	0.120	25	119	1.7	1.25
17.930	4.9432	4.9553	0.200	64	114	4.3	2.49
19.930	4.4514	4.4624	0.240	28	117	1.9	1.53
21.025	4.2220	4.2324	0.160	289	117	19.6	7.56
22.120	4.0154	4.0253	0.100	166	117	11.3	1.49
22.965	3.8695	3.8790	0.240	23	117	1.6	1.08
23.790	3.7372	3.7464	0.240	86	117	5.9	2.61
24.375	3.6488	3.6578	0.200	125	117	8.5	1.80
25.340	3.5120	3.5206	0.160	102	117	6.9	1.04
26.705	3.3355	3.3437	0.160	1475	117	100.0	18.18
28.120	3.1708	3.1786	0.140	686	119	46.6	5.54
29.985	2.9777	2.9850	0.200	104	119	7.1	1.85
30.600	2.9192	2.9264	0.120	98	119	6.6	1.02
31.510	2.8369	2.8439	0.240	72	119	4.9	3.35
35.150	2.5511	2.5573	0.400	72	117	4.9	1.46
36.705	2.4465	2.4525	0.200	169	117	11.5	2.90
37.755	2.3808	2.3867	0.240	52	114	3.5	1.04
39.625	2.2727	2.2782	0.140	110	112	7.5	1.19

Sample identification: ab8 6-nov-2006 11:52



ABS.RD

Sample identification: AB9
 Data measured at: 6-nov-2006 11:45:00

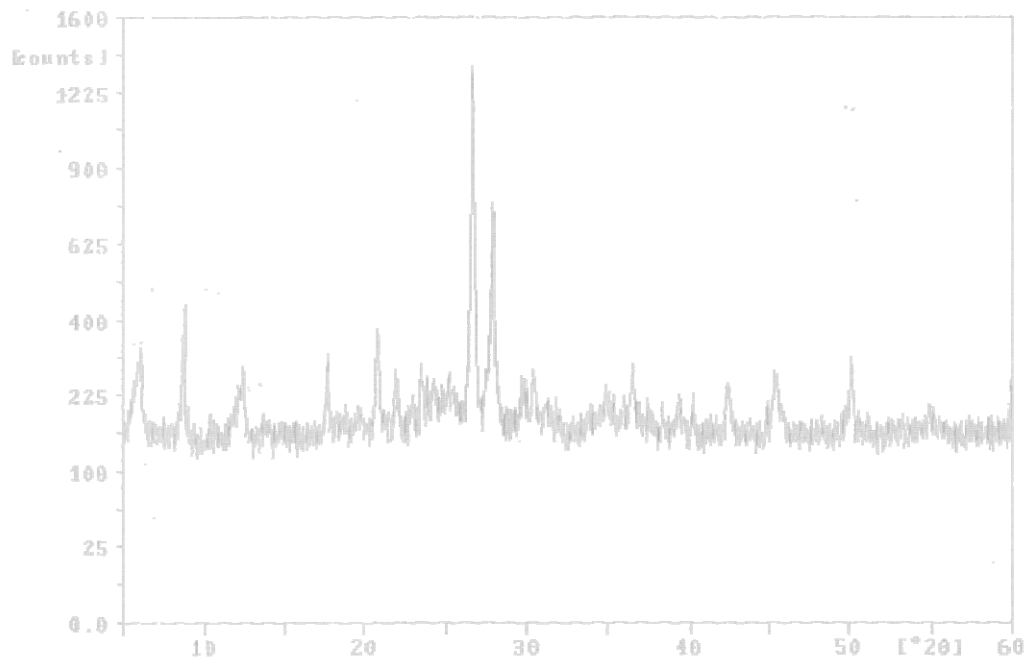
Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 5.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1183.360
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 25

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.025	14.6574	14.6934	0.200	37	139	3.1	1.53
8.835	10.0008	10.0254	0.080	100	139	8.5	1.65
12.470	7.0926	7.1100	0.120	59	151	5.0	3.34
17.720	5.0013	5.0136	0.200	90	149	7.6	3.45
19.740	4.4938	4.5049	0.400	26	151	2.2	1.03
20.775	4.2722	4.2827	0.100	177	151	14.9	1.48
21.955	4.0452	4.0551	0.160	98	151	8.3	1.53
22.960	3.8704	3.8799	0.120	56	151	4.8	1.19
23.465	3.7882	3.7975	0.200	102	151	8.6	2.55
23.855	3.7271	3.7363	0.060	100	151	8.5	1.20
24.205	3.6740	3.6831	0.120	81	151	6.8	1.06
25.195	3.5319	3.5405	0.200	102	151	8.6	1.19
26.575	3.3515	3.3597	0.120	1183	151	100.0	4.81
27.815	3.2048	3.2127	0.060	640	154	54.1	4.93
29.760	2.9997	3.0070	0.160	88	154	7.5	1.00
30.375	2.9403	2.9475	0.160	119	154	10.0	1.44
31.925	2.8010	2.8079	0.240	48	154	4.0	1.06
34.945	2.5655	2.5719	0.240	69	161	5.8	1.27
36.550	2.4565	2.4625	0.160	135	161	11.4	1.02
39.375	2.2865	2.2921	0.120	86	156	7.3	1.12
40.220	2.2404	2.2459	0.240	52	156	4.4	2.61

Sample identification: AB9 6-nov-2006 12:07



Sample identification: AB10
 Data measured at: 6-nov-2006 15:12:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 5.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 806.5600
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

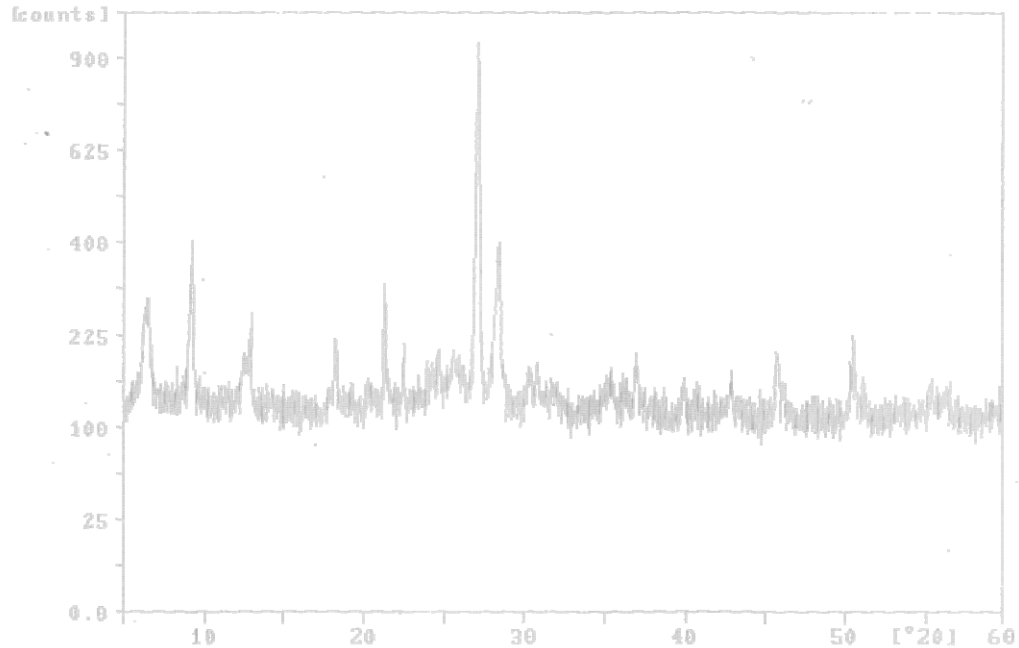
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 20

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.530	13.5249	13.5582	0.280	37	121	4.6	3.55
9.295	9.5069	9.5303	0.100	88	123	11.0	1.98
12.920	6.8465	6.8634	0.120	53	128	6.6	3.85
18.170	4.8784	4.8904	0.120	64	114	7.9	4.87
20.330	4.3647	4.3755	0.480	18	117	2.3	1.46
21.265	4.1749	4.1851	0.100	156	117	19.4	2.36
22.445	3.9580	3.9677	0.120	67	119	8.3	3.61
24.115	3.6875	3.6966	0.320	29	119	3.6	1.01
25.700	3.4636	3.4721	0.480	55	121	6.8	3.01
27.055	3.2931	3.3012	0.140	807	123	100.0	8.65
28.335	3.1472	3.1549	0.100	272	123	33.8	1.85
30.290	2.9484	2.9556	0.160	40	130	4.9	1.01
33.450	2.5301	2.5364	0.320	46	117	5.7	1.17
36.955	2.4305	2.4365	0.160	90	114	11.2	1.16
39.920	2.2565	2.2621	0.200	50	110	6.2	1.09
40.690	2.2156	2.2210	0.320	38	110	4.8	1.18
42.830	2.1097	2.1149	0.240	66	110	8.1	2.00
45.770	1.9808	1.9857	0.160	137	108	17.0	2.40
50.490	1.8061	1.8106	0.120	196	108	24.3	1.65
55.365	1.6581	1.6622	0.480	42	112	5.2	1.13

Sample identification: AB10

6-nov-2006 15:33



AB10.FD

Sample identification: AB11
 Data measured at: 6-nov-2006 15:35:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

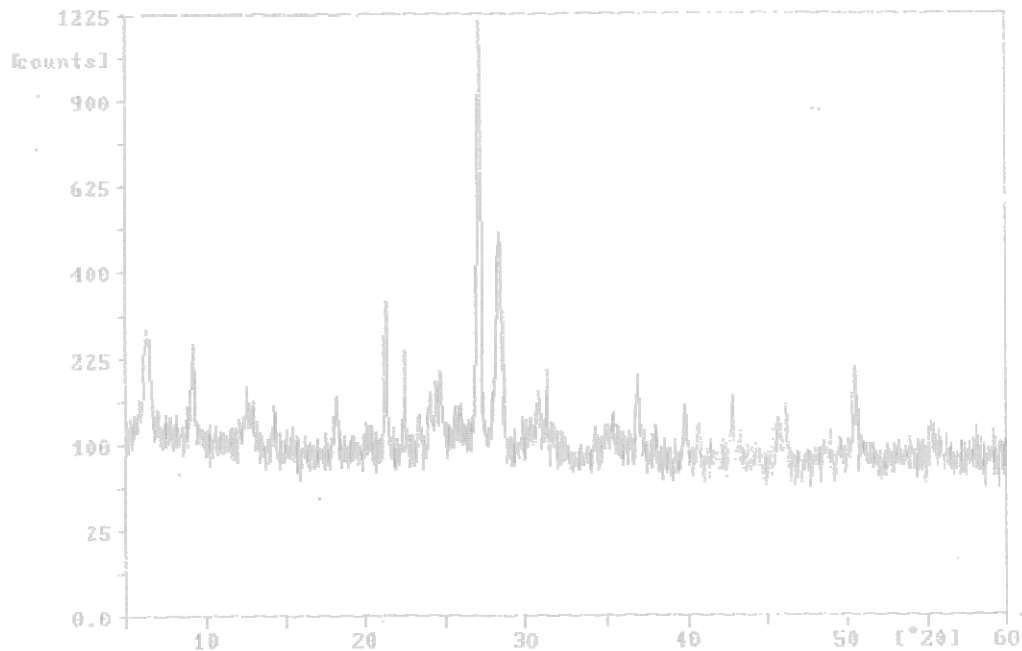
Start angle [°2θ]: 5.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1075.840
 Time per step [s]: 0.400

Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 28

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.525	13.5353	13.5686	0.360	34	104	3.1	7.67
9.300	9.5018	9.5252	0.100	52	102	4.8	1.66
12.950	6.8307	6.8475	0.160	26	96	2.4	1.06
14.265	6.2039	6.2191	0.240	18	92	1.6	3.41
18.190	4.8731	4.8851	0.280	36	88	3.3	2.87
21.285	4.1710	4.1813	0.120	196	90	18.2	3.87
22.440	3.9588	3.9686	0.140	121	88	11.2	4.34
23.370	3.8034	3.8127	0.160	36	88	3.3	1.93
23.990	3.7065	3.7156	0.200	61	88	5.7	1.65
24.340	3.6539	3.6629	0.120	74	86	6.9	1.30
24.670	3.6058	3.6147	0.200	96	86	8.9	2.32
25.865	3.4419	3.4503	0.320	46	86	4.3	1.38
27.055	3.2931	3.3012	0.140	1076	86	100.0	12.03
28.365	3.1439	3.1517	0.100	396	85	36.8	1.49
30.880	2.8934	2.9005	0.160	88	83	8.2	1.98
31.305	2.8551	2.8621	0.060	146	83	13.6	1.90
34.325	2.6105	2.6169	0.240	31	81	2.9	1.65
35.410	2.5329	2.5391	0.240	55	81	5.1	1.08
36.960	2.4302	2.4361	0.080	142	81	13.2	1.22
38.025	2.3645	2.3703	0.320	30	79	2.8	1.02
39.860	2.2598	2.2654	0.160	85	79	7.9	1.19

Sample identification: AB11 6-nov-2006 15:55



AB11.FD

Sample identification: AB12

Data measured at: 27-nov-2006 11:14:00

Diffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 3.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 894.0100

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

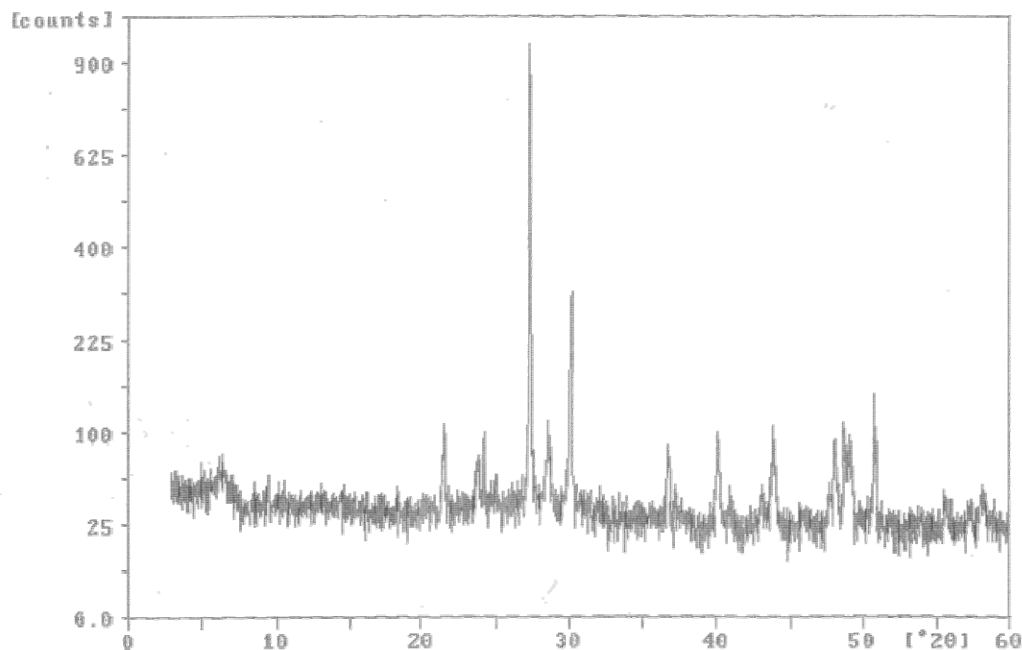
Minimum significance: 1.00

Number of peaks: 20

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.440	13.7137	13.7475	0.640	5	40	0.6	1.42
21.570	4.1165	4.1266	0.080	56	32	6.3	1.04
23.875	3.7241	3.7332	0.280	31	32	3.5	2.72
24.170	3.6793	3.6883	0.060	55	32	6.1	1.12
24.995	3.5597	3.5684	0.240	16	32	1.8	1.05
27.295	3.2647	3.2727	0.120	894	31	100.0	13.01
28.520	3.1272	3.1349	0.200	59	31	6.6	1.76
30.095	2.9670	2.9743	0.180	286	31	31.9	10.24
36.650	2.4500	2.4560	0.140	66	27	7.3	2.07
40.065	2.2487	2.2542	0.100	92	23	10.3	1.13
43.110	2.0967	2.1018	0.240	32	22	3.6	2.05
43.895	2.0610	2.0660	0.060	137	22	15.3	1.09
48.190	1.8868	1.8915	0.240	106	23	11.9	3.65
48.800	1.8647	1.8692	0.100	142	23	15.8	1.48
49.190	1.8508	1.8553	0.160	102	23	11.4	1.98
50.740	1.7978	1.8022	0.080	219	22	24.5	1.74
50.890	1.7929	1.7973	0.060	117	22	13.0	1.74
55.460	1.6555	1.6595	0.240	35	22	3.9	1.41
57.305	1.6065	1.6104	0.320	19	23	2.2	1.14
58.035	1.5880	1.5919	0.400	45	23	5.0	2.30

Sample identification: AB12

28-nov-2006 12:29



AB12.RD

Sample identification: AB13

Data measured at: 27-nov-2006 12:14:00

Diffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 3.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 234.0900

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

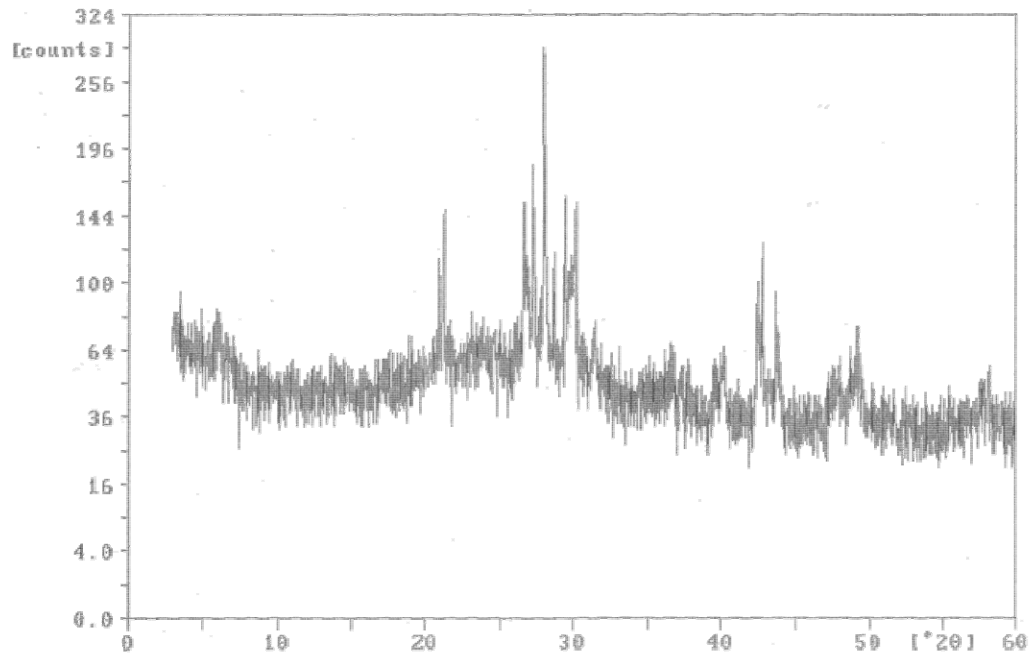
Minimum significance: 1.00

Number of peaks: 15

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
21.235	4.1807	4.1910	0.080	74	53	31.6	1.11
26.670	3.3398	3.3480	0.080	96	55	41.0	1.40
27.315	3.2624	3.2704	0.080	106	53	45.3	1.13
27.975	3.1869	3.1947	0.140	234	52	100.0	5.85
28.670	3.1112	3.1188	0.120	50	52	21.5	3.07
29.415	3.0341	3.0415	0.080	98	50	41.9	1.10
30.130	2.9637	2.9710	0.060	119	49	50.8	1.56
31.455	2.8418	2.8488	0.480	18	46	7.9	1.28
40.145	2.2444	2.2499	0.240	32	34	13.9	2.49
42.455	2.1275	2.1327	0.200	61	34	26.0	1.77
42.785	2.1118	2.1170	0.060	137	34	58.5	2.05
43.715	2.0690	2.0741	0.060	98	34	41.9	1.23
47.895	1.8978	1.9024	0.480	31	34	13.4	1.03
49.210	1.8501	1.8546	0.240	53	34	22.8	2.10
57.900	1.5914	1.5953	0.640	17	32	7.2	1.15

Sample identification: AB13

27-nov-2006 13:23



AB13.RD

Sample identification: AB14

Data measured at: 27-nov-2006 12:59:00

Diffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 3.010

End angle [°2θ]: 59.990

Step-size [°2θ]: 0.020

Maximum intensity: 246.4900

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

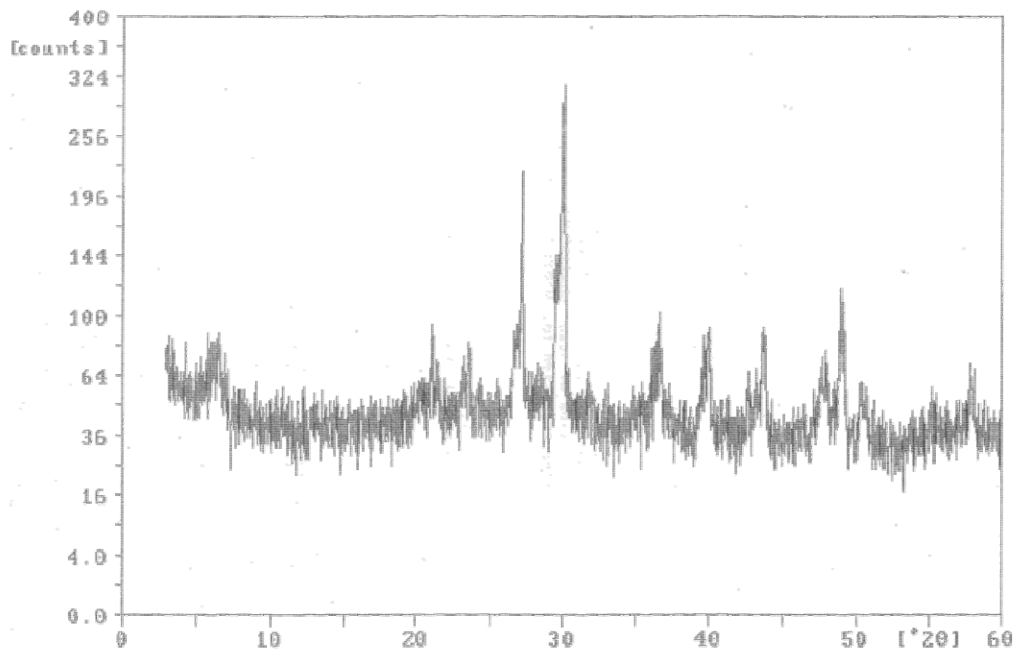
Minimum significance: 1.00

Number of peaks: 14

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.455	13.6819	13.7155	0.960	5	48	2.1	2.71
21.100	4.2071	4.2175	0.100	27	42	11.0	1.11
23.675	3.7581	3.7643	0.160	23	44	9.3	1.13
27.255	3.2694	3.2774	0.080	161	45	65.4	1.40
29.440	3.0315	3.0390	0.120	69	45	27.9	1.26
30.030	2.9733	2.9806	0.180	246	44	100.0	8.49
36.615	2.4523	2.4583	0.160	61	41	24.7	1.13
40.010	2.2517	2.2572	0.160	64	35	26.0	1.49
42.700	2.1158	2.1210	0.240	28	35	11.4	1.17
43.750	2.0675	2.0725	0.160	85	34	34.3	1.35
47.845	1.8996	1.9043	0.480	40	36	16.1	1.24
49.080	1.8547	1.8592	0.060	135	35	54.6	1.23
50.440	1.8078	1.8123	0.320	35	34	14.1	1.07
57.995	1.5890	1.5929	0.320	38	36	15.6	1.29

Sample identification: AB14

27-nov-2006 13:20



Sample identification: AB15
Data measured at: 27-nov-2006 12:36:00

Diffraction type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 718.2400
Time per step [s]: 0.400

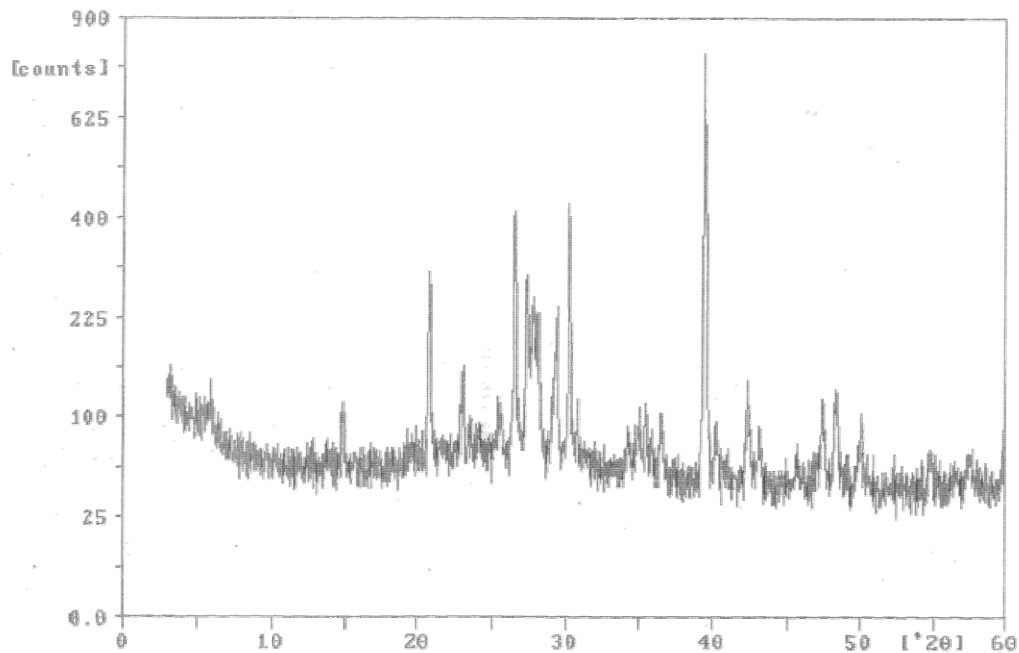
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 26

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
5.790	15.2517	15.2892	0.480	3	85	0.5	1.38
14.905	5.9389	5.9535	0.100	16	55	2.2	1.18
20.825	4.2621	4.2726	0.100	119	64	16.5	3.15
23.060	3.8538	3.8633	0.120	42	62	5.9	6.40
25.525	3.4869	3.4955	0.240	21	61	2.9	1.67
26.600	3.3484	3.3566	0.120	240	61	33.4	4.82
27.405	3.2519	3.2598	0.080	161	61	22.5	1.23
27.805	3.2060	3.2139	0.200	125	59	17.5	2.49
28.185	3.1636	3.1714	0.100	121	59	16.8	1.64
29.410	3.0346	3.0420	0.120	130	59	18.1	2.49
30.280	2.9493	2.9566	0.100	286	59	39.8	2.52
34.255	2.6156	2.6221	0.200	30	52	4.2	1.16
35.050	2.5581	2.5644	0.240	30	50	4.2	1.42
35.520	2.5253	2.5315	0.160	45	50	6.2	1.43
36.495	2.4601	2.4661	0.200	45	49	6.2	1.64
39.425	2.2837	2.2893	0.080	718	45	100.0	3.53
39.535	2.2776	2.2832	0.040	437	45	60.8	1.58
40.205	2.2412	2.2467	0.120	46	45	6.4	1.55
42.380	2.1311	2.1363	0.120	88	44	12.3	1.42
43.185	2.0932	2.0983	0.200	36	42	5.0	1.61
45.775	1.9806	1.9855	0.240	25	42	3.5	1.04

Sample identification: AB15

27-nov-2006 12:58



AB15.PD

DIFFRATTOGRAMMI CAMPIONI SAN MARCO ARGENTANO – MONGRASSANO

File: MA14.DI 28-jun-2006 17:14

 c PC-APD, Diffraction software

Sample identification: ma14
 Data measured at: 28-jun-2006 16:54:00

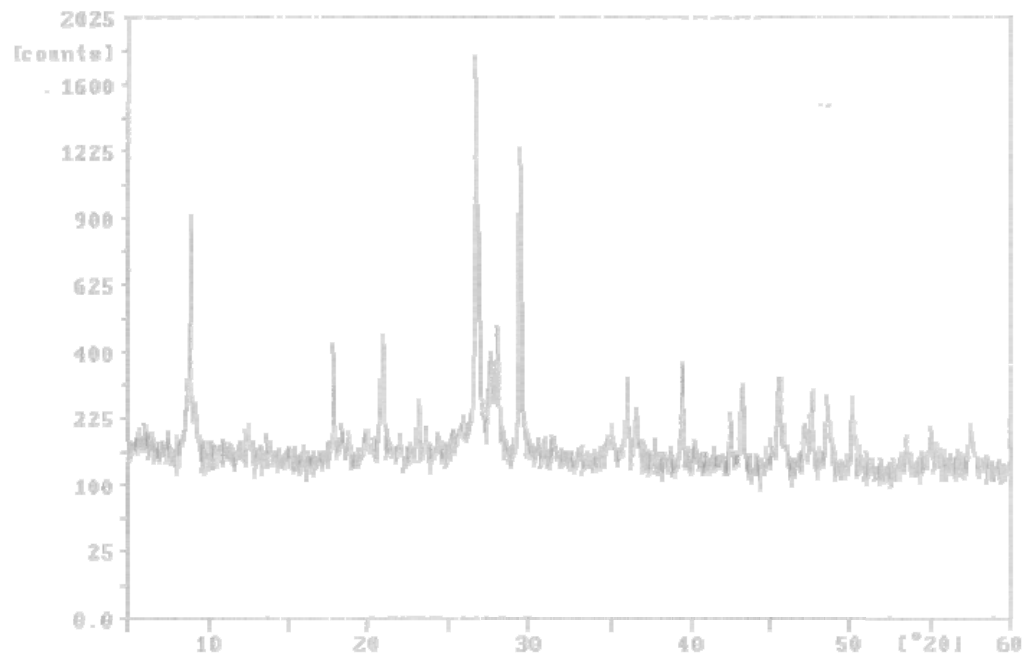
Diffractionmeter type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12"
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1664.540
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.30
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 34

Angle [°2θ]	d value d1 [Å]	d-value d2 [Å]	Peak width [°2θ]	Peak Int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.110	14.4516	14.4802	0.800	7	151	0.4	1.48
8.880	9.9503	9.9747	0.060	253	151	15.2	4.07
9.185	9.6205	9.6442	0.080	40	151	2.6	1.14
12.480	7.0869	7.1043	0.240	25	146	1.5	1.58
17.800	4.9790	4.9912	0.100	185	137	11.1	3.48
18.370	4.8238	4.8376	0.300	30	139	1.8	1.05
18.765	4.7251	4.7367	0.120	27	139	1.6	1.10
19.805	4.4792	4.4902	0.320	32	139	2.0	1.31
20.855	4.2560	4.2665	0.100	210	139	12.6	2.90
23.095	3.8480	3.8573	0.100	96	142	3.8	1.52
23.840	3.7763	3.7886	0.120	44	142	2.6	1.09
24.215	3.6725	3.6816	0.240	28	144	1.7	1.06
25.775	3.4337	3.4622	0.240	62	144	3.7	1.09
26.630	3.3447	3.3529	0.100	1665	144	100.0	8.80
26.830	3.3202	3.3284	0.100	681	146	40.9	2.47
27.485	3.2426	3.2505	0.120	210	146	12.6	2.01
27.955	3.1891	3.1970	0.120	339	146	20.3	3.12
29.415	3.0241	3.0415	0.100	1183	149	74.1	17.63
35.015	2.5606	2.5669	0.480	62	137	3.7	1.41
35.995	2.4931	2.4992	0.100	253	138	15.2	1.58
36.560	2.4550	2.4619	0.120	144	138	8.7	1.10

Sample identification: ma14 28-jun-2006 17:15



MA14.DI

c

PC-APD, Diffraction software

Sample identification: ma16

Data measured at: 18-may-2006 12:47:00

Diffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 5.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 141.6100

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

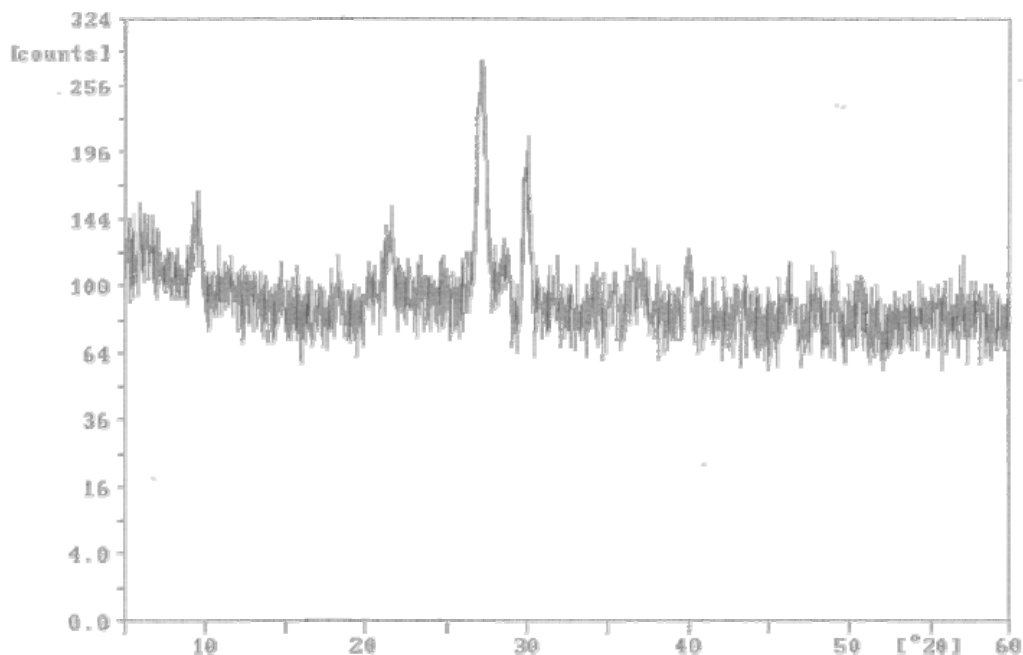
Minimum significance: 1.00

Number of peaks: 13

Angle [°2θ]	d-value d1 [Å]	d-value d2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
9.390	9.4109	9.4341	0.320	15	98	10.7	1.41
18.340	4.8236	4.8455	0.480	11	83	7.7	1.24
21.485	4.1326	4.1428	0.560	30	90	21.4	3.04
26.910	3.3105	3.3187	0.160	142	90	100.0	1.28
28.575	3.1213	3.1290	0.480	21	88	14.9	2.37
29.870	2.9989	2.9962	0.280	123	88	87.0	3.41
36.850	2.4372	2.4432	0.640	20	85	14.3	2.12
39.920	2.2565	2.2621	0.240	49	83	34.6	1.20
43.670	2.0711	2.0762	0.960	15	77	10.7	1.39
46.320	1.9386	1.9634	0.480	32	76	22.9	2.11
47.970	1.8950	1.8996	0.480	25	76	17.7	1.43
48.940	1.8597	1.8642	0.240	48	74	33.6	1.31
50.740	1.7978	1.8022	0.480	32	74	22.9	1.49

Sample identification: ma15

18-may-2006 13:08



ma15.PD

Sample identification: ma16
Data measured at: 24-may-2006 10:57:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.580
Divergence slit: 1/13°
Receiving slit: 0.2
Monochromator used: NO

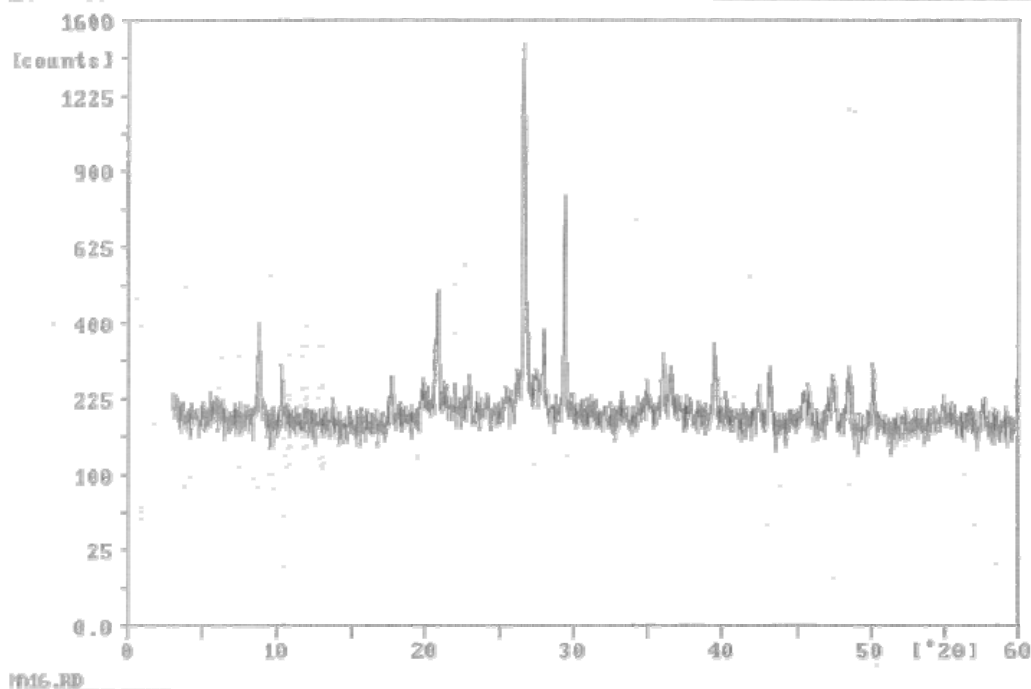
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.999
Step size [°2θ]: 0.020
Maximum intensity: 1281.640
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 25

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
5.920	14.9171	14.9538	0.480	6	182	0.4	1.43
8.850	9.9839	10.0085	0.680	76	180	5.9	1.32
10.420	8.4829	8.5038	0.060	46	180	3.6	3.07
17.765	4.9887	5.0018	0.160	55	177	4.3	1.32
19.800	4.4803	4.4914	0.320	41	185	3.2	1.06
20.830	4.2011	4.2713	0.140	213	188	10.0	5.56
23.040	3.8571	3.8666	0.120	59	196	4.6	1.79
26.190	3.3999	3.4082	0.120	83	192	6.5	1.30
26.620	3.3459	3.3542	0.120	1282	193	100.0	11.14
27.455	3.2460	3.2548	0.120	96	193	7.5	1.57
27.890	3.1964	3.2043	0.080	196	193	15.3	1.02
29.480	3.0356	3.0438	0.160	676	190	52.7	11.56
33.170	2.6987	2.7053	0.480	28	182	2.2	1.50
35.015	2.5606	2.5669	0.320	69	182	5.4	1.41
36.010	2.4931	2.4987	0.160	172	182	13.4	1.76
36.545	2.4568	2.4629	0.120	139	182	10.9	2.90
39.425	2.2837	2.2893	0.100	240	182	18.7	1.40
42.440	2.1382	2.1334	0.200	88	177	6.9	1.90
43.195	2.0927	2.0979	0.200	146	174	11.4	2.60
45.430	1.9948	1.9987	0.240	96	169	7.5	1.12
47.465	1.9139	1.9187	0.120	174	169	13.6	1.18

Sample identification: ma16

24-may-2006 11:19



c

PC-APD, Diffraction software

Sample identification: mol
Data measured at: 24-may-2006 12:41:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: ND

Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 2840.890
Time per step [s]: 0.400
Type of scan: CONTINUOUS

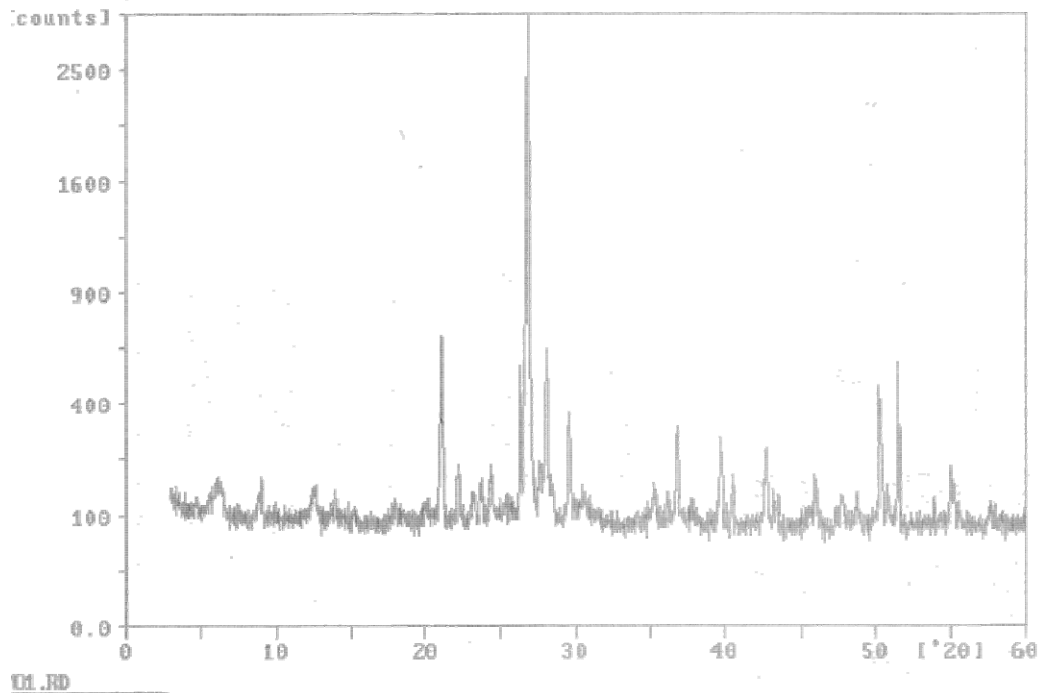
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 37

Angle [°2θ]	d-value d1 [Å]	d-value d2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.240	14.1528	14.1876	0.400	12	104	0.4	1.92
9.070	9.7422	9.7662	0.120	21	94	0.7	2.67
12.640	6.9976	7.0148	0.320	25	94	0.9	1.41
14.030	6.3073	6.3228	0.120	27	94	1.0	2.37
18.005	4.9228	4.9349	0.480	18	83	0.6	1.44
20.020	4.4316	4.4425	0.240	27	85	1.0	1.15
21.035	4.2200	4.2304	0.100	467	85	16.4	5.46
22.240	3.9940	4.0038	0.140	79	85	2.8	2.88
23.230	3.8260	3.8354	0.200	45	85	1.6	1.38
23.690	3.7527	3.7619	0.160	62	85	2.2	1.40
24.425	3.6414	3.6504	0.160	100	85	3.5	1.57
26.270	3.3897	3.3981	0.100	480	86	16.9	6.29
26.815	3.3220	3.3302	0.140	2841	86	100.0	24.19
27.605	3.2287	3.2367	0.120	125	86	4.4	2.62
28.110	3.1719	3.1797	0.100	557	86	19.6	4.17
29.560	3.0195	3.0269	0.160	253	86	8.9	6.75
30.560	2.9229	2.9301	0.240	52	86	1.8	1.79
35.150	2.5511	2.5573	0.240	90	81	3.2	2.17
36.180	2.4808	2.4869	0.160	69	81	2.4	1.10
36.690	2.4474	2.4535	0.100	310	81	10.9	2.01
39.610	2.2735	2.2791	0.080	306	79	10.8	1.32

Sample identification: mol

24-may-2006 13:10



Sample identification: m03
Data measured at: 24-may-2006 13:10:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 3931.290
Time per step [s]: 0.400
Type of scan: CONTINUOUS

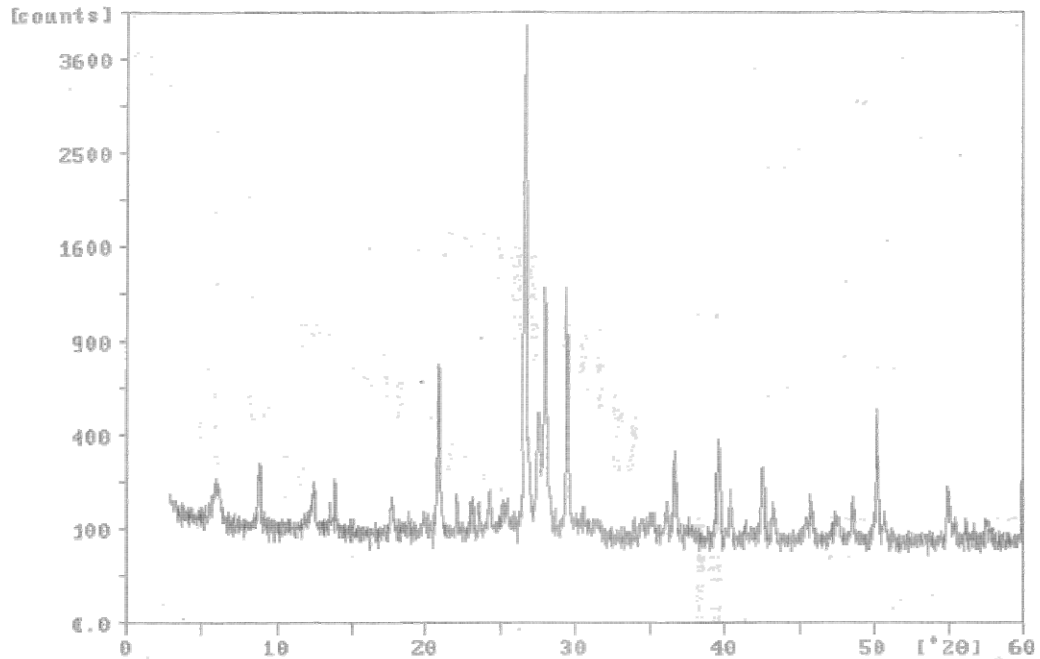
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 35

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.210	14.2211	14.2561	0.200	19	117	0.5	1.02
8.970	9.8506	9.8749	0.180	62	102	1.6	7.90
12.600	7.0197	7.0370	0.120	36	100	0.9	1.51
13.960	6.3387	6.3543	0.080	74	94	1.9	1.24
17.825	4.9721	4.9843	0.200	46	88	1.2	1.92
19.885	4.4614	4.4724	0.240	18	90	0.5	1.85
20.930	4.2409	4.2514	0.120	520	92	13.2	9.76
22.095	4.0199	4.0298	0.160	74	94	1.9	2.37
23.080	3.8505	3.8600	0.100	74	94	1.9	1.51
23.620	3.7637	3.7729	0.200	55	96	1.4	2.57
24.365	3.6503	3.6592	0.200	86	96	2.2	2.94
25.490	3.4916	3.5002	0.120	59	98	1.5	1.11
26.700	3.3361	3.3443	0.140	3931	100	100.0	34.22
27.610	3.2282	3.2361	0.160	412	100	10.5	6.46
27.990	3.1852	3.1930	0.080	1253	102	31.9	2.35
28.080	3.1752	3.1830	0.060	1096	102	27.9	6.49
29.495	3.0260	3.0335	0.140	1176	104	29.9	15.36
34.000	2.6347	2.6411	0.120	49	79	1.2	1.93
34.425	2.6031	2.6095	0.120	52	79	1.3	1.13
35.115	2.5535	2.5598	0.320	59	79	1.5	1.19
36.080	2.4874	2.4935	0.140	114	79	2.9	1.52

Sample identification: m03

24-may-2006 13:31



M03.RD

Sample identification: mo4
 Data measured at: 18-may-2006 10:47:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54139
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: ND

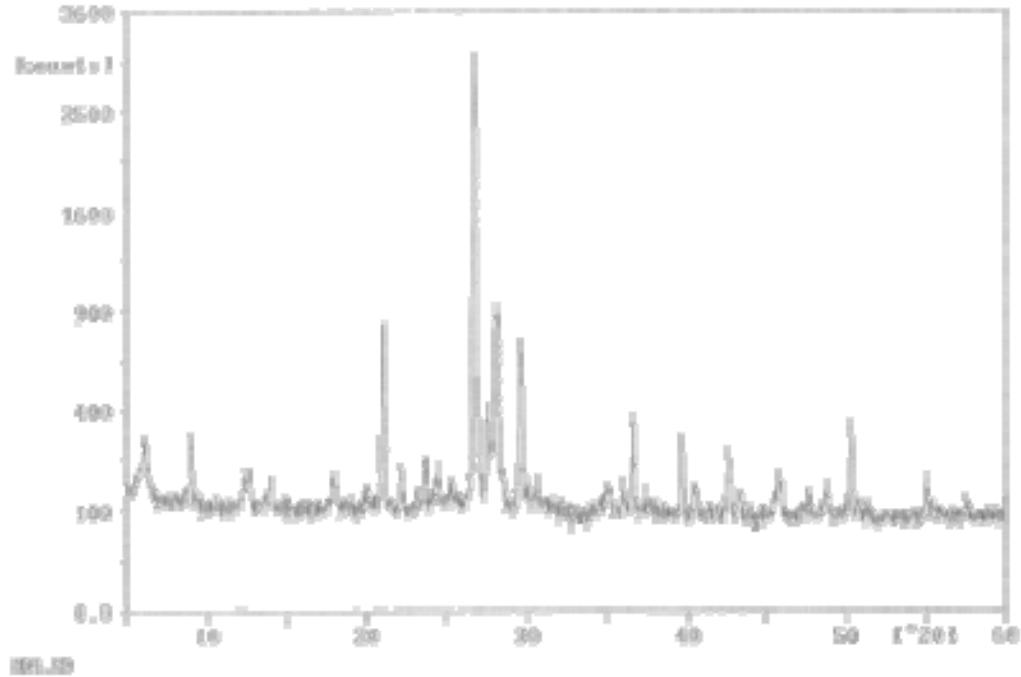
Start angle [°2θ]: 5.310
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.320
 Maximum intensity: 3014.010
 Time per step [s]: 0.100
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 31

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.200	14.2449	14.2791	0.160	41	108	1.4	1.39
9.000	9.8179	9.8430	0.120	69	108	2.3	3.49
12.640	6.9976	7.0148	0.120	40	104	1.3	2.06
13.990	6.3252	6.3408	0.080	41	104	1.4	1.08
17.900	4.9514	4.9636	0.120	59	102	1.7	1.45
19.905	4.4569	4.4679	0.240	29	102	0.7	1.48
20.960	4.2349	4.2453	0.120	571	102	19.0	9.13
22.125	4.0145	4.0244	0.100	92	102	3.1	1.59
23.150	3.8390	3.8485	0.160	37	104	1.2	1.21
23.655	3.7582	3.7674	0.120	92	104	3.1	1.11
24.335	3.6547	3.6637	0.160	71	104	2.3	1.19
25.315	3.5154	3.5240	0.120	55	104	1.9	1.32
26.755	3.3294	3.3375	0.140	2014	104	100.0	26.11
27.610	3.2282	3.2361	0.100	319	104	10.3	2.78
28.050	3.1795	3.1863	0.120	879	104	28.9	7.56
29.365	3.0190	3.0264	0.140	708	104	23.5	9.49
30.370	2.9220	2.9292	0.120	83	104	2.7	2.22
35.110	2.5339	2.5691	0.200	89	88	3.0	1.43
36.120	2.4847	2.4908	0.160	94	88	3.1	1.23
36.645	2.4503	2.4564	0.080	339	88	11.2	1.92
37.635	2.3881	2.3940	0.400	40	88	1.3	1.26

Sample identification: mo4

18-may-2006 11:30



Sample identification: mo10

Data measured at: 18-Jul-2006 11:34:00

Diffraction type: PW1710 BASED

Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength alpha1 [Å]: 1.54060
 Wavelength alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.508
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.810
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1689.210
 Time per step [s]: 0.400

Type of scan: CONTINUOUS

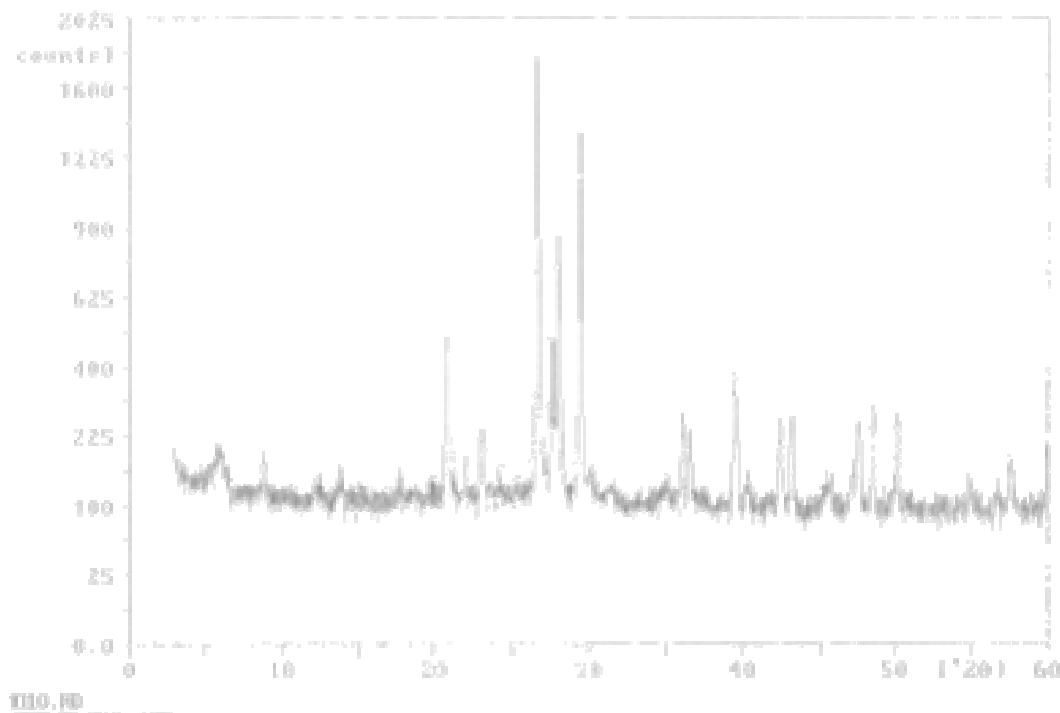
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 30

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
8.855	14.8295	14.8660	0.400	17	123	1.0	1.54
8.865	9.9671	9.9916	0.100	29	112	1.7	1.52
12.165	7.1526	7.1702	0.480	11	104	0.6	3.77
13.765	6.4281	6.4439	0.320	18	106	1.1	1.10
17.785	4.9831	4.9954	0.240	27	104	1.6	1.66
20.780	4.2712	4.2817	0.140	303	102	17.9	5.06
31.920	4.0516	4.0615	0.160	49	102	2.9	1.43
23.845	3.8563	3.8658	0.160	106	102	6.3	3.61
23.450	3.7906	3.7999	0.280	25	102	1.5	1.03
24.175	3.6785	3.6876	0.240	27	102	1.6	1.68
26.585	3.3503	3.3585	0.180	1689	100	100.0	29.49
27.490	3.2420	3.2500	0.100	253	100	20.9	2.73
27.930	3.1919	3.1998	0.140	801	100	47.4	7.35
29.400	3.0356	3.0430	0.180	1529	98	90.5	23.77
31.480	2.8413	2.8483	0.240	37	98	2.2	1.03
34.890	2.5695	2.5758	0.480	25	102	1.5	1.66
35.945	2.4964	2.5026	0.120	234	100	13.9	1.54
36.485	2.4607	2.4668	0.120	177	100	10.5	2.12
39.425	2.2837	2.2893	0.160	396	96	23.4	6.01
40.215	2.2407	2.2462	0.200	66	98	3.9	1.42

Sample identification: mo10

18-Jul-2006 12:17



Sample identification: mol1
Data measured at: 18-jul-2006 10:28:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

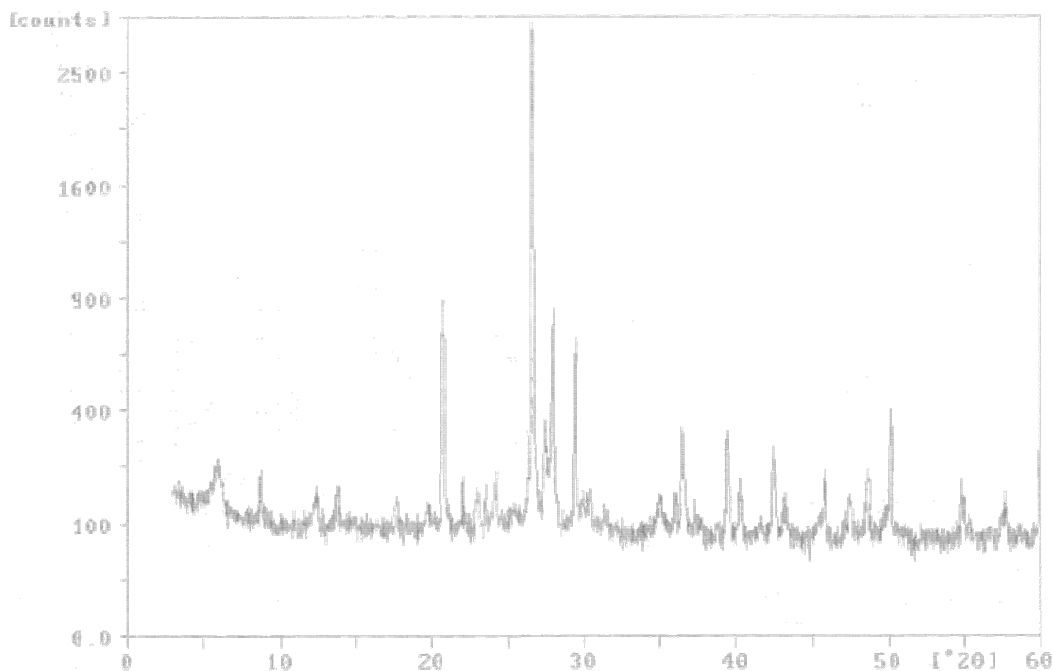
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 2872.960
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 33

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
5.970	14.7923	14.8287	0.320	24	123	0.8	1.63
8.825	10.0121	10.0368	0.100	37	100	1.3	1.63
12.455	7.1011	7.1185	0.120	31	94	1.1	1.65
13.790	6.4165	6.4323	0.100	46	92	1.6	1.08
17.740	4.9957	5.0080	0.240	37	90	1.3	2.12
19.705	4.5017	4.5128	0.240	26	88	0.9	1.99
20.785	4.2702	4.2807	0.100	635	86	22.1	6.96
21.965	4.0434	4.0533	0.080	74	86	2.6	1.05
23.030	3.8587	3.8682	0.200	67	86	2.3	1.84
23.450	3.7906	3.7999	0.080	69	85	2.4	1.16
24.225	3.6710	3.6801	0.200	108	85	3.8	4.65
25.400	3.5038	3.5124	0.320	37	85	1.3	1.88
26.575	3.3515	3.3597	0.120	2873	83	100.0	18.60
27.465	3.2449	3.2529	0.080	246	83	8.6	1.09
27.955	3.1891	3.1970	0.160	812	83	28.3	9.08
29.425	3.0330	3.0405	0.180	655	81	22.8	14.23
30.345	2.9432	2.9504	0.240	64	81	2.2	2.00
31.370	2.8493	2.8563	0.240	40	79	1.4	1.78
35.000	2.5616	2.5679	0.200	85	77	2.9	1.37
35.960	2.4954	2.5016	0.160	94	77	3.3	1.37
36.480	2.4610	2.4671	0.080	361	77	12.6	1.80

Sample identification: mol1

18-jul-2006 10:49



MO11.RD

Sample identification: m013
Data measured at: 18-Jul-2006 11:11:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 6.500
Divergence slit: 1/12"
Receiving slit: 0.2
Monochromator used: NO

Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 2883.690
Time per step [s]: 0.400
Type of scan: CONTINUOUS

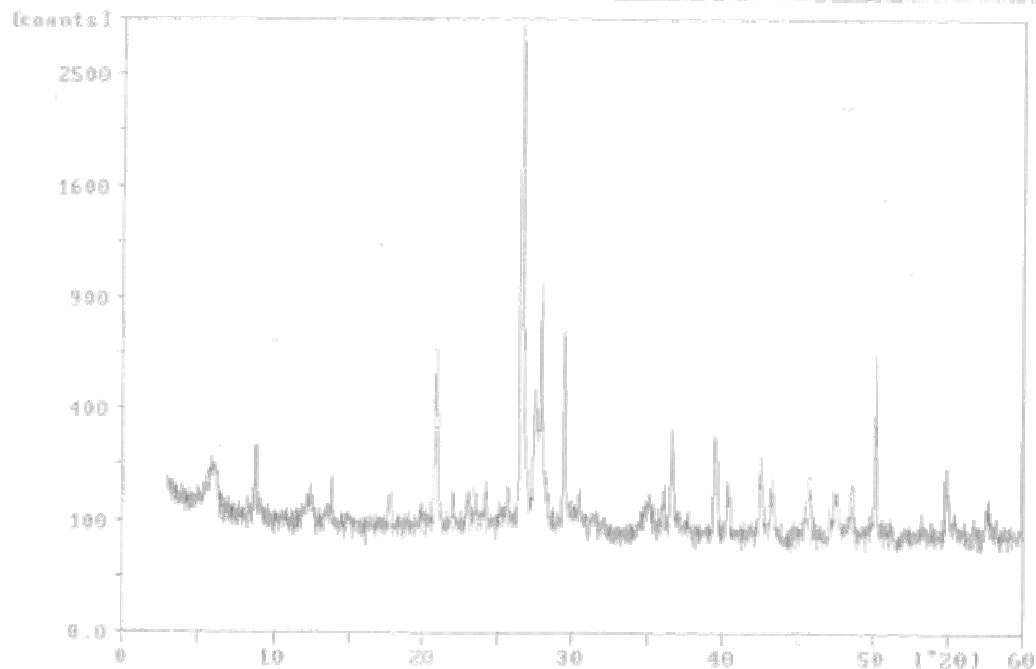
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 31

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.080	14.5249	14.5606	0.400	21	125	0.7	2.73
8.900	9.9279	9.9524	0.100	59	106	2.1	2.69
12.560	7.0419	7.0593	0.320	23	98	0.8	1.19
13.885	6.3728	6.3885	0.060	49	96	1.7	2.90
17.830	4.9707	4.9829	0.120	35	90	1.2	1.35
20.875	4.2520	4.2624	0.140	437	94	15.1	11.70
22.015	4.0343	4.0442	0.160	44	92	1.5	1.39
23.065	3.8330	3.8624	0.100	56	92	2.0	1.16
23.590	3.7684	3.7777	0.160	58	92	2.0	1.32
24.250	3.6673	3.6763	0.160	62	92	2.2	1.50
25.210	3.5298	3.5385	0.120	40	92	1.4	1.11
25.640	3.4716	3.4801	0.080	67	92	2.3	1.04
26.835	3.3416	3.3498	0.140	2884	92	100.0	27.75
27.345	3.2356	3.2436	0.080	396	90	13.7	1.14
27.933	3.1891	3.1970	0.100	912	90	31.6	3.49
29.465	3.0290	3.0365	0.160	702	90	24.4	11.69
30.500	2.9283	2.9358	0.120	69	90	2.4	2.10
32.010	2.8581	2.8644	0.120	86	79	3.0	1.01
36.050	2.4894	2.4933	0.160	194	77	3.6	1.76
38.555	2.4562	2.4622	0.060	342	77	11.9	7.70
39.460	2.2818	2.2874	0.160	342	76	11.9	6.66

Sample identification: m013

18-Jul-2006 11:33



M013.D1

Sample identification: mo15

Data measured at: 18-Jul-2006 10:49:00

Diffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 3.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 2410.810

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

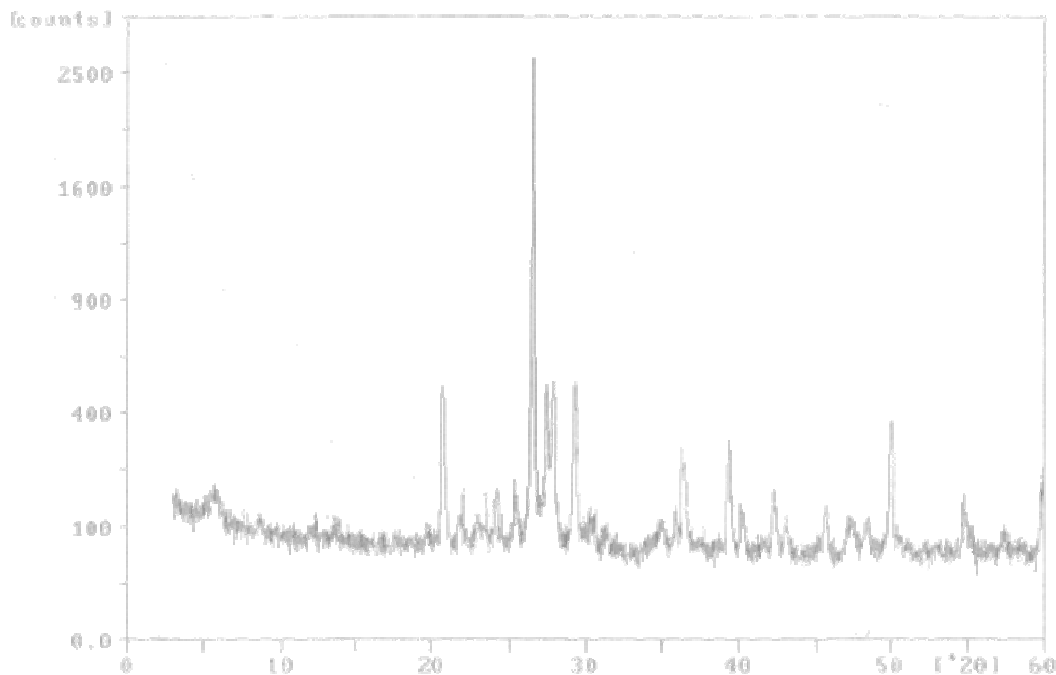
Minimum significance: 1.00

Number of peaks: 32

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Ref. int [%]	Signif.
5.860	15.0697	15.1068	0.400	11	110	0.5	1.29
8.735	10.1151	10.1499	0.240	6	90	0.3	1.33
12.370	7.1497	7.1673	0.120	14	76	0.6	1.09
13.775	6.4234	6.4392	0.320	17	74	0.7	1.06
20.645	4.2988	4.3094	0.100	308	69	12.7	2.73
20.760	4.2753	4.2858	0.080	296	69	12.3	2.03
21.960	4.0443	4.0542	0.100	58	67	3.7	1.32
22.955	3.8712	3.8897	0.120	45	67	1.9	1.56
23.405	3.7978	3.8071	0.060	88	66	3.7	1.54
24.013	3.7027	3.7118	0.060	92	66	3.8	1.06
25.350	3.5106	3.5192	0.060	114	64	4.7	2.01
26.460	3.3658	3.3741	0.180	2411	64	100.0	31.70
27.413	3.2507	3.2587	0.100	449	62	18.6	3.56
27.820	3.2043	3.2122	0.100	480	62	19.9	2.80
29.233	3.0523	3.0598	0.100	392	62	16.3	1.98
30.348	2.9432	2.9504	0.200	66	61	2.7	1.68
30.563	2.9228	2.9297	0.080	72	61	3.0	1.05
31.320	2.8537	2.8607	0.320	30	59	1.3	1.21
35.030	2.5595	2.5658	0.280	56	58	2.3	1.51
35.855	2.5025	2.5086	0.120	76	58	3.1	1.13

Sample identification: mo16

18-Jul-2006 11:10



MOI6.D1

Sample identification: mo18

Data measured at: 19-Jul-2006 9:28:00

Diffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 35

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.3

Monochromator used: NO

Start angle [°2θ]: 3.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 221.0100

Time per step [s]: 3.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

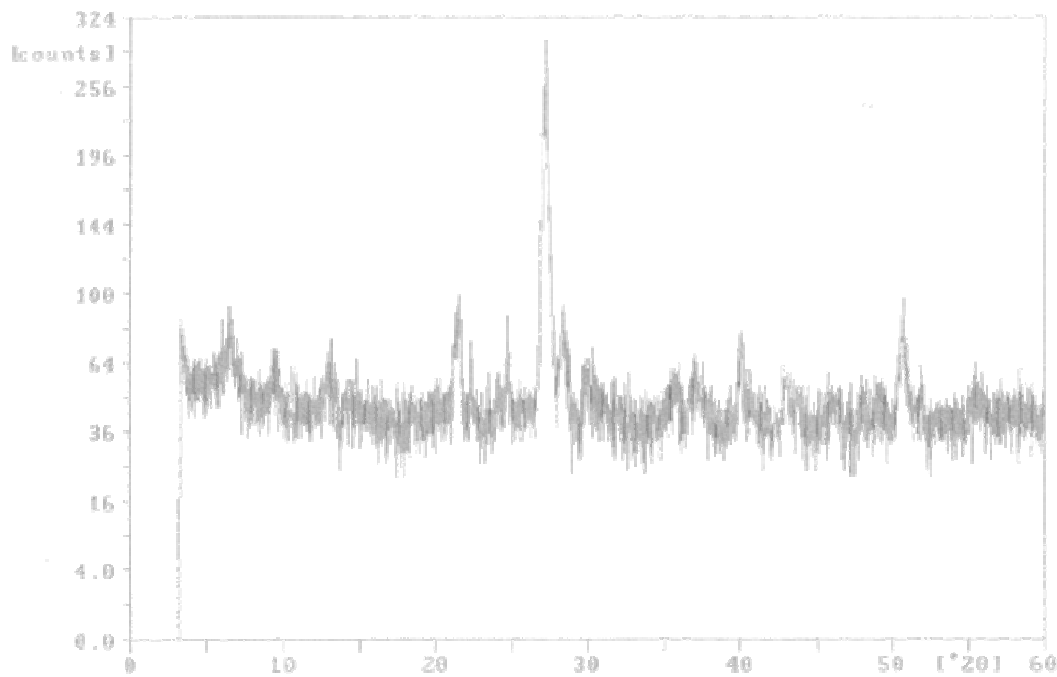
Minimum significance: 1.00

Number of peaks: 17

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
3.275	26.9563	27.8226	0.860	8	13	3.3	1.33
3.500	25.2239	25.2859	0.480	8	13	3.5	4.19
6.375	13.4324	13.4655	0.400	6	50	2.8	1.01
8.470	9.3516	9.3546	0.480	4	44	1.8	1.14
13.080	6.7631	6.7798	0.480	7	42	3.3	2.57
21.535	4.1231	4.1333	0.120	41	41	18.4	1.06
34.655	3.6080	3.6169	0.120	28	36	12.7	1.35
27.095	3.2883	3.2964	0.280	222	37	100.0	5.05
28.340	3.1467	3.1544	0.140	56	37	25.3	1.43
29.925	2.9835	2.9908	0.480	17	38	7.6	1.61
35.715	2.5120	2.5182	0.800	18	37	8.3	1.52
36.940	2.4314	2.4374	0.640	22	37	10.0	1.65
38.990	2.2527	2.2583	0.480	42	37	19.0	3.28
42.905	2.1062	2.1114	0.480	22	37	10.0	1.56
46.320	1.9582	1.9630	0.800	14	35	6.5	1.23
50.625	1.8016	1.8061	0.400	72	40	32.5	2.38
55.385	1.6373	1.6616	0.640	19	40	8.7	1.22

Sample identification: mo18

19-Jul-2006 9:48



MO18.RD

DIFFRATTOGRAMMI CAMPIONI ARCIACONO

File: T1.D1 4-aug-2006 12:19
 Philips Analytical PC-APD, Diffraction software

Sample identification: t1
 Data measured at: 4-aug-2006 11:59:00

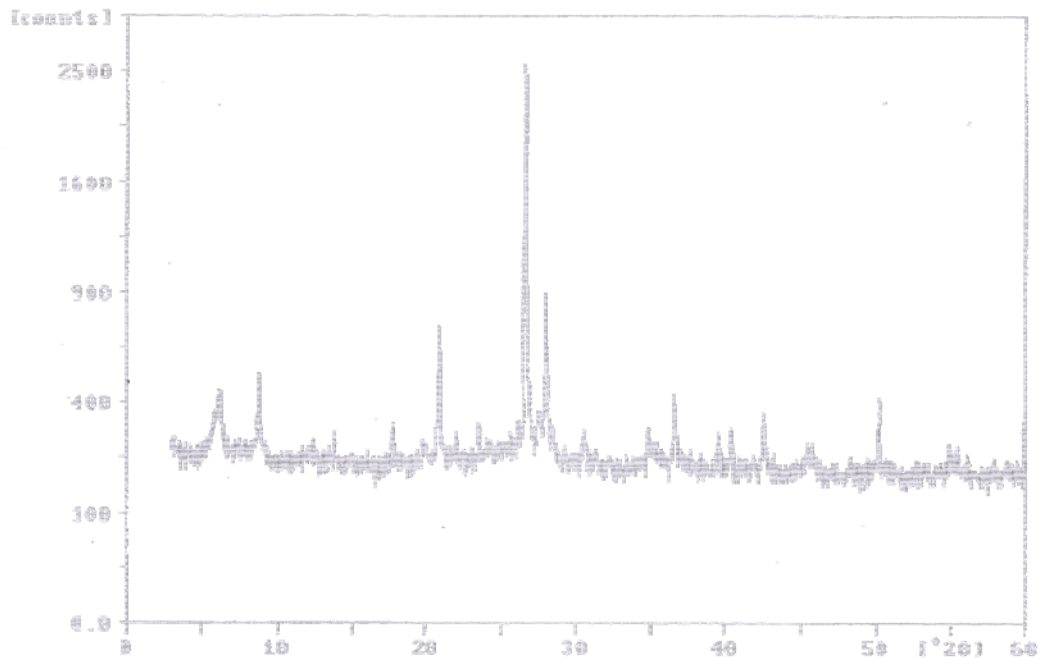
Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 2371.690
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 27

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.155	14.3481	14.3834	0.160	49	222	2.1	1.53
8.905	9.9224	9.9468	0.080	94	213	4.0	1.73
12.380	7.1439	7.1615	0.480	16	210	0.7	2.21
13.885	6.3728	6.3883	0.120	35	207	1.5	1.99
17.785	4.9831	4.9954	0.120	74	196	3.1	4.48
19.885	4.4614	4.4724	0.400	36	196	1.5	1.65
20.895	4.2480	4.2584	0.100	412	196	17.4	4.95
22.070	4.0244	4.0343	0.120	69	196	2.9	1.77
23.590	3.7684	3.7777	0.120	94	199	4.0	2.84
24.330	3.6554	3.6644	0.400	61	199	2.6	1.51
26.095	3.4120	3.4204	0.100	125	199	5.3	1.32
26.660	3.3410	3.3492	0.120	2372	199	100.0	14.86
27.510	3.2397	3.2476	0.160	177	199	7.5	1.15
27.960	3.1885	3.1964	0.140	671	199	28.3	7.41
28.425	3.1374	3.1452	0.120	117	199	4.9	1.56
30.500	2.9285	2.9358	0.100	114	199	4.8	1.28
34.825	2.5741	2.5804	0.120	156	193	6.6	1.53
36.570	2.4552	2.4612	0.080	289	193	12.2	1.17
39.505	2.2793	2.2849	0.080	161	188	6.8	1.73
40.300	2.2361	2.2416	0.060	185	188	7.8	1.74
41.860	2.1563	2.1616	0.240	50	185	2.1	1.43

Sample Identification: t1 4-aug-2006 12:23



Sample identification: t2

Data measured at: 4-aug-2006 11:37:00

Diffractionmeter type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 3.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 1840.410

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

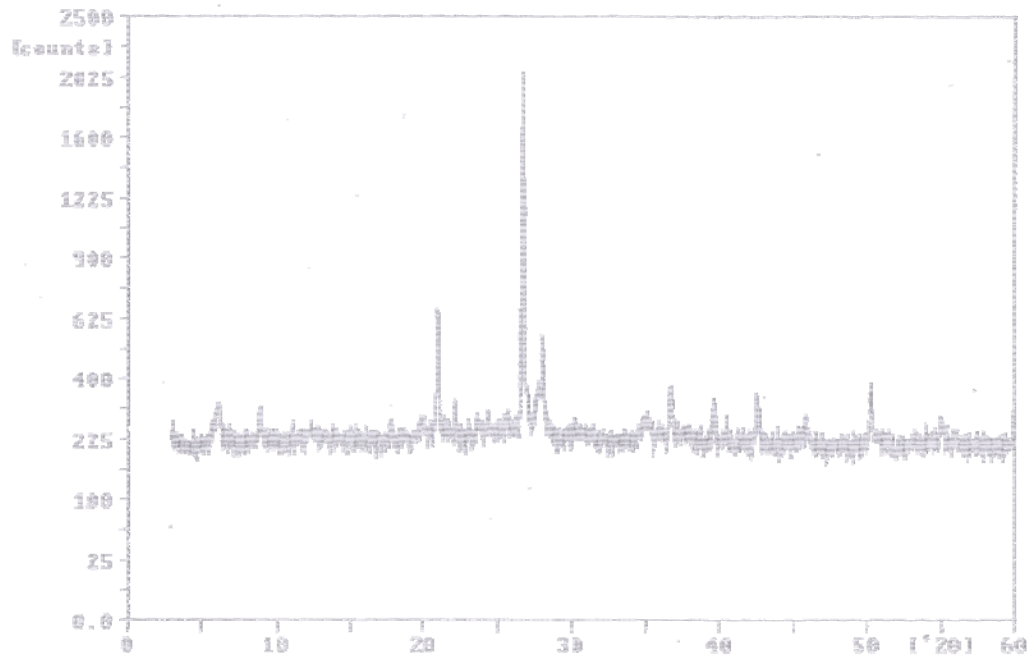
Minimum significance: 1.00

Number of peaks: 19

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.140	14.3831	14.4185	0.240	26	204	1.4	2.01
8.935	9.8891	9.9135	0.200	27	210	1.3	1.37
17.835	4.9693	4.9815	0.240	30	213	1.6	1.33
19.905	4.4569	4.4679	0.320	37	216	2.0	1.23
20.925	4.2419	4.2524	0.100	350	216	19.0	4.11
22.115	4.0163	4.0262	0.120	81	216	4.4	3.02
23.665	3.7566	3.7659	0.240	55	216	3.0	2.10
24.315	3.6576	3.6666	0.240	59	219	3.2	2.05
26.700	3.3361	3.3443	0.120	1840	219	100.0	13.47
27.700	3.2179	3.2258	0.240	146	219	8.0	1.33
28.050	3.1785	3.1863	0.160	279	222	15.2	1.60
30.070	2.9694	2.9767	0.480	31	222	1.7	1.33
34.985	2.5627	2.5690	0.400	61	219	3.3	1.10
36.605	2.4529	2.4590	0.100	199	216	10.8	1.41
39.535	2.2776	2.2832	0.160	161	213	8.8	1.45
42.505	2.1251	2.1303	0.060	202	210	11.0	1.14
45.770	1.9808	1.9857	0.480	67	207	3.7	3.43
50.165	1.8171	1.8215	0.080	296	210	16.1	1.11
54.995	1.6684	1.6725	0.160	90	213	4.9	2.31

Sample identification: t2

4-aug-2006 11:58



T2.D1

Sample identification: t3
Data measured at: 4-aug-2006 11:15:00

Diffraction type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12"
Receiving slit: 0.2
Monochromator used: MO

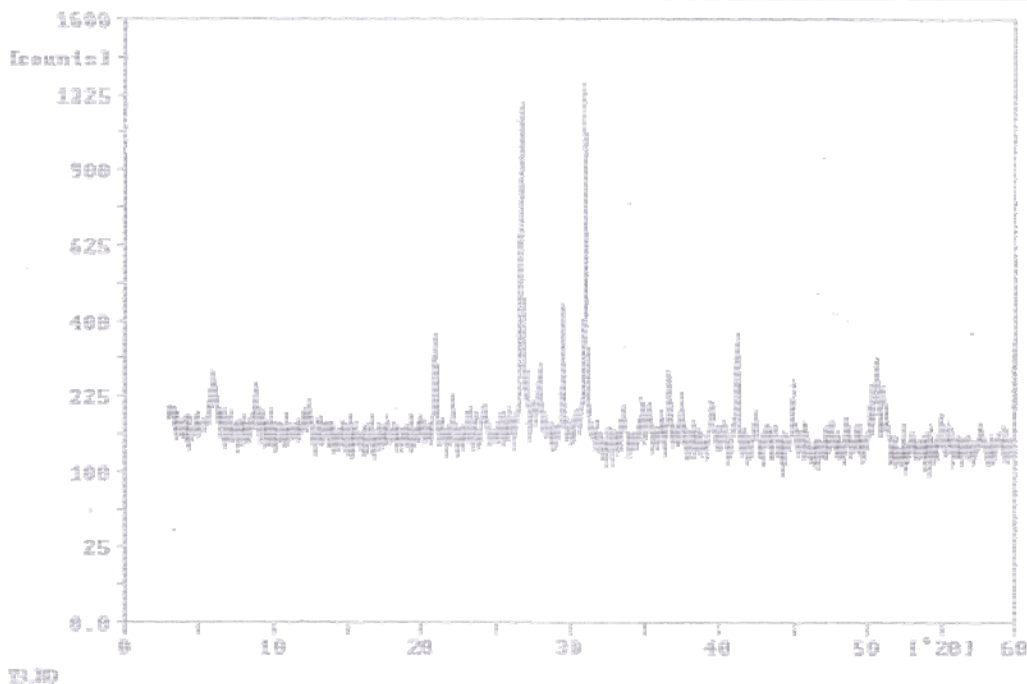
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1122.250
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 30

Angle [°2θ]	d-value #1 [Å]	d-value #2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.070	14.5488	14.5846	0.200	20	159	1.8	1.59
8.830	10.0065	10.0311	0.160	22	154	2.0	1.15
12.510	7.0700	7.0874	0.560	14	156	1.2	1.86
20.860	4.2550	4.2655	0.080	146	149	13.0	1.18
22.050	4.0280	4.0379	0.160	48	146	4.2	1.39
23.080	3.8505	3.8600	0.240	25	146	2.2	1.58
23.545	3.7755	3.7848	0.240	22	146	2.0	1.62
24.125	3.6860	3.6951	0.400	44	144	3.9	2.81
26.660	3.3410	3.3492	0.140	558	144	76.5	14.40
27.955	3.1891	3.1970	0.280	123	142	11.0	5.03
29.455	3.0300	3.0375	0.100	292	142	26.1	2.54
30.980	2.8843	2.8914	0.160	1122	139	100.0	17.32
33.545	2.6693	2.6759	0.240	64	137	5.7	2.64
35.150	2.5511	2.5573	0.960	41	137	3.6	2.62
36.555	2.4562	2.4622	0.060	166	135	14.8	1.83
37.375	2.4041	2.4100	0.120	102	135	9.1	3.05
39.510	2.2790	2.2846	0.240	86	135	7.7	2.78
40.330	2.2345	2.2400	0.200	36	132	3.2	1.06
41.150	2.1919	2.1973	0.080	313	132	27.9	1.37
42.485	2.1260	2.1313	0.200	64	132	5.7	1.57
43.835	2.0636	2.0687	0.240	45	130	4.0	1.56

Sample identification: t3

4-aug-2006 11:36



Sample identification: t4
Data measured at: 4-aug-2006 10:53:00

Diffraction type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1592.010
Time per step [s]: 0.400

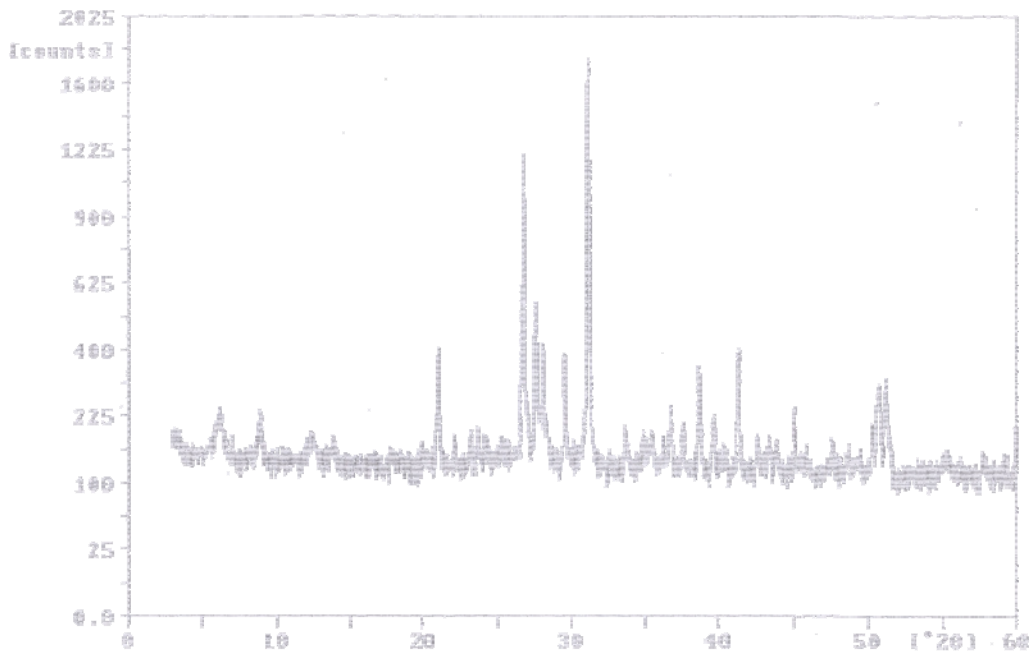
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 36

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
3.225	27.3741	27.4415	0.480	5	130	0.3	1.49
6.130	14.4065	14.4420	0.240	18	130	1.2	3.78
8.940	9.8836	9.9079	0.200	25	130	1.6	2.08
12.470	7.0926	7.1100	0.320	21	132	1.3	1.08
13.910	6.3614	6.3770	0.320	15	128	1.0	1.33
20.940	4.2389	4.2494	0.120	154	128	9.7	4.20
22.105	4.0181	4.0280	0.160	26	128	1.6	1.33
23.190	3.8325	3.8419	0.120	40	128	2.5	2.07
23.665	3.7566	3.7659	0.120	44	125	2.7	2.13
24.190	3.6763	3.6853	0.200	36	125	2.3	1.14
26.740	3.3312	3.3394	0.120	930	125	58.4	9.44
27.535	3.2368	3.2448	0.120	380	123	23.9	5.28
28.020	3.1819	3.1897	0.140	269	123	16.9	4.84
29.545	3.0210	3.0284	0.160	246	123	15.5	7.29
31.060	2.8770	2.8841	0.180	1592	121	100.0	28.93
33.635	2.6624	2.6690	0.160	77	119	4.9	1.34
35.465	2.5291	2.5353	0.160	74	119	4.6	1.19
36.620	2.4519	2.4580	0.080	156	119	9.8	1.35
37.450	2.3995	2.4054	0.120	108	117	6.8	3.88
38.600	2.3306	2.3363	0.080	279	117	17.5	1.40
39.545	2.2771	2.2827	0.080	125	117	7.9	1.30

Sample identification: t4

4-aug-2006 11:15



T4.D1

Sample identification: t5
Data measured at: 4-aug-2006 10:31:00

Diffraction type: FW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12"
Receiving slit: 0.2
Monochromator used: NO

Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1764.000
Time per step [s]: 0.400

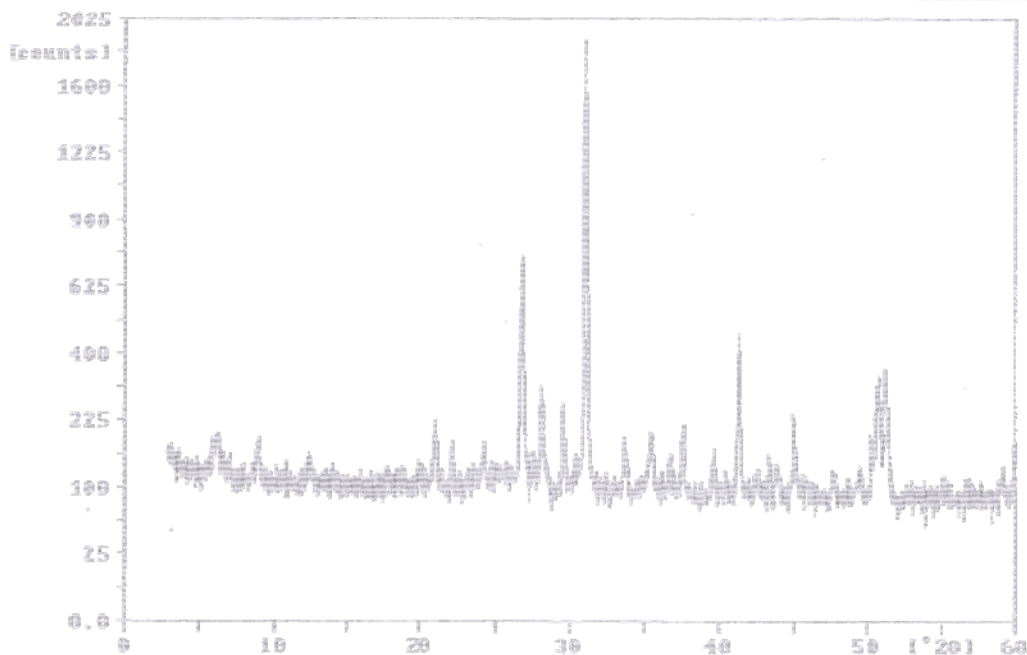
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 30

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.250	14.1302	14.1649	0.240	15	117	0.2	1.93
8.965	9.8561	9.8804	0.160	19	110	1.1	1.16
12.390	7.1382	7.1557	0.480	14	104	0.8	2.38
18.300	4.8441	4.8560	0.960	7	96	0.4	1.33
19.880	4.4625	4.4735	0.480	14	96	0.8	1.28
20.985	4.2299	4.2403	0.060	88	96	5.0	2.14
22.135	4.0127	4.0226	0.120	53	94	3.0	5.27
24.200	3.6748	3.6838	0.120	52	94	2.9	1.20
26.780	3.3263	3.3345	0.140	557	92	31.6	8.74
27.580	3.2316	3.2396	0.100	44	92	2.5	1.13
28.135	3.1691	3.1769	0.100	185	92	10.5	1.61
29.575	3.0180	3.0254	0.200	151	92	8.6	6.42
31.080	2.8752	2.8823	0.160	1764	90	100.0	22.86
33.650	2.6613	2.6678	0.160	88	90	5.0	1.37
35.505	2.5264	2.5326	0.120	104	88	5.9	2.69
36.630	2.4513	2.4573	0.200	62	88	3.5	1.64
37.505	2.3961	2.4020	0.080	128	88	7.2	1.32
39.600	2.2740	2.2796	0.160	88	86	5.0	1.69
41.275	2.1855	2.1909	0.140	497	85	28.2	5.63
42.590	2.1210	2.1263	0.120	56	85	3.2	1.29
43.315	2.0872	2.0923	0.160	72	85	4.1	1.40

Sample identification: t5

4-aug-2006 10:53



五期

Sample identification: t6
 Data measured at: 4-aug-2006 10:09:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1755.610
 Time per step [s]: 0.400

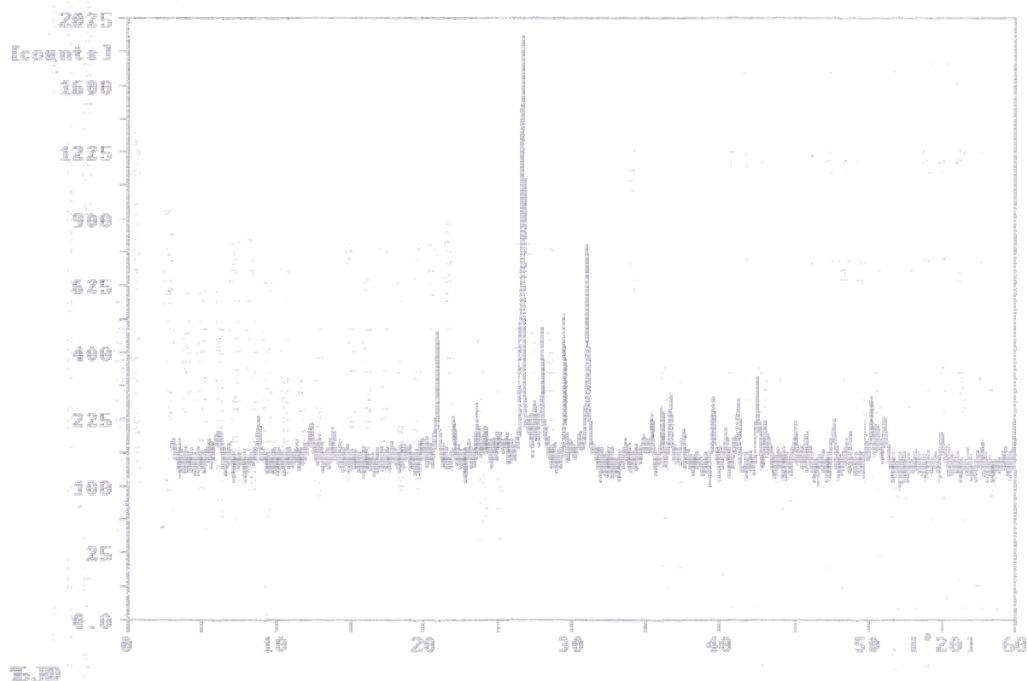
Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 33

Angle [°2θ]	d-value e1 [Å]	d-value e2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.180	14.2901	14.3252	0.320	11	137	0.6	1.05
8.905	9.9224	9.9468	0.160	17	137	1.0	1.19
12.440	7.1096	7.1271	0.240	25	144	1.4	3.00
13.910	6.3614	6.3770	0.480	13	144	0.7	1.34
19.965	4.4437	4.4546	0.480	15	144	0.9	1.13
20.925	4.2419	4.2524	0.080	250	146	14.2	2.34
22.085	4.0217	4.0316	0.120	50	146	2.9	2.36
23.080	3.8505	3.8600	0.240	14	149	0.8	1.15
23.670	3.7558	3.7651	0.120	71	154	4.0	3.97
26.705	3.3355	3.3437	0.120	1756	156	100.0	14.97
27.345	3.2356	3.2436	0.160	72	151	4.1	1.40
28.035	3.1802	3.1880	0.080	342	151	19.5	1.61
29.480	3.0275	3.0350	0.100	416	144	23.7	2.91
31.020	2.8806	2.8877	0.120	745	139	42.5	6.00
33.620	2.6636	2.6701	0.120	52	132	3.0	1.23
35.030	2.5595	2.5658	0.640	49	132	2.8	1.73
35.485	2.5333	2.5395	0.120	104	132	5.9	2.03
36.025	2.4911	2.4972	0.160	119	132	6.8	1.77
36.685	2.4529	2.4580	0.060	180	132	10.2	1.28
37.455	2.3992	2.4051	0.290	72	132	4.1	1.55
39.510	2.2790	2.2846	0.100	202	132	11.5	1.23

Sample Identification: t6

4-aug-2006 10:31



Sample identification: t7
 Data measured at: 4-aug-2006 9:47:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1705.690
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

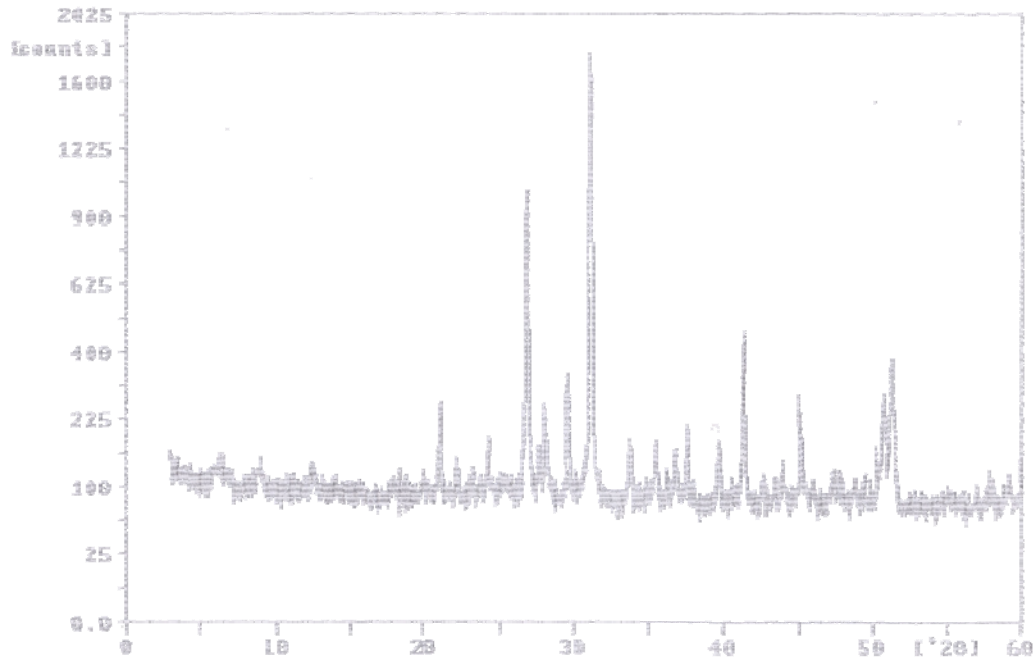
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 32

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.110	14.4536	14.4892	0.800	6	100	0.4	1.91
8.955	9.8671	9.8914	0.240	10	94	0.6	2.28
12.565	7.0392	7.0565	0.480	12	94	0.7	2.02
21.020	4.2230	4.2334	0.120	94	85	5.5	3.47
22.190	4.0029	4.0127	0.120	44	85	2.6	1.28
23.225	3.8268	3.8362	0.120	30	85	1.8	1.68
24.210	3.6733	3.6823	0.100	76	83	4.4	1.49
26.780	3.3263	3.3345	0.120	801	81	47.0	10.39
27.600	3.2293	3.2373	0.160	71	81	4.1	1.62
28.045	3.1791	3.1869	0.080	154	81	9.0	1.17
29.560	3.0195	3.0269	0.160	225	81	13.2	7.19
31.105	2.8730	2.8800	0.160	1706	79	100.0	21.40
33.685	2.6586	2.6651	0.160	106	77	6.2	2.09
35.465	2.5291	2.5353	0.200	100	77	5.9	2.33
36.180	2.4808	2.4869	0.240	40	76	2.3	2.62
36.715	2.4458	2.4518	0.060	88	76	3.2	1.21
37.480	2.3976	2.4035	0.080	144	76	8.4	1.47
39.565	2.2760	2.2816	0.140	114	76	6.7	2.61
41.280	2.1853	2.1907	0.140	511	74	29.9	6.22
42.625	2.1194	2.1246	0.480	32	74	1.9	1.35
43.345	2.0858	2.0910	0.160	46	74	2.7	1.06

Sample identification: t7

4-aug-2006 10:08



Sample identification: t8

Data measured at: 4-aug-2006 9:24:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1135.690
 Time per step [s]: 0.400

Type of scan: CONTINUOUS

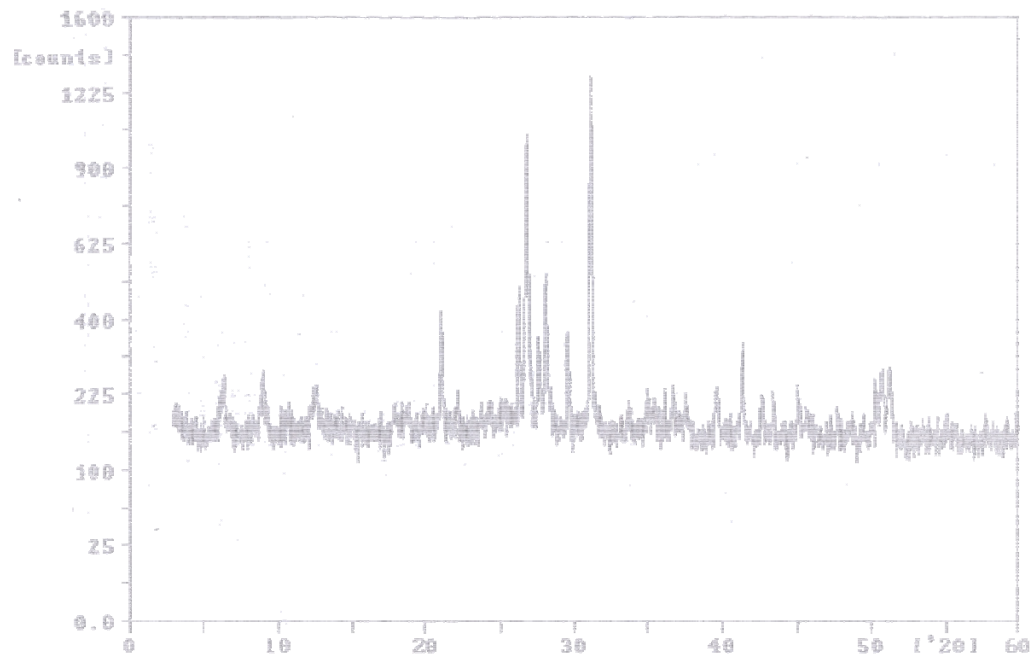
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.60
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 32

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.250	14.1302	14.1649	0.160	15	151	1.3	1.42
9.015	9.8016	9.8257	0.120	35	149	3.1	1.94
12.535	7.0559	7.0733	0.240	17	164	1.5	1.41
17.925	4.9445	4.9567	0.200	28	149	2.5	1.09
18.320	4.8388	4.8507	0.640	13	149	1.1	3.46
21.010	4.2250	4.2354	0.060	180	149	15.8	3.83
22.170	4.0064	4.0163	0.120	41	149	3.6	1.30
23.740	3.7449	3.7541	0.380	37	146	3.3	1.19
24.335	3.6547	3.6637	0.320	41	146	3.6	1.21
26.235	3.3942	3.4025	0.100	279	146	24.6	3.21
26.780	3.3263	3.3345	0.100	773	146	60.1	5.45
27.590	3.2303	3.2384	0.060	193	146	17.0	3.18
28.090	3.1741	3.1819	0.100	342	146	30.1	3.18
29.530	3.0225	3.0299	0.160	196	146	17.3	5.12
31.090	2.8743	2.8814	0.160	1136	144	100.0	15.53
33.075	2.6593	2.6659	0.240	48	144	4.2	1.58
35.450	2.5301	2.5364	0.240	66	144	5.8	1.24
36.160	2.4821	2.4882	0.120	83	144	7.3	1.37
36.690	2.4474	2.4535	0.160	106	144	9.3	1.43
37.525	2.3949	2.4008	0.240	62	144	5.3	1.15
39.555	2.2765	2.2821	0.200	108	142	9.5	2.63

Sample identification: t8

4-aug-2006 9:45



B.D

c

PC-APD, Diffraction software

Sample identification: t9
Data measured at: 19-jul-2006 13:30:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: ND

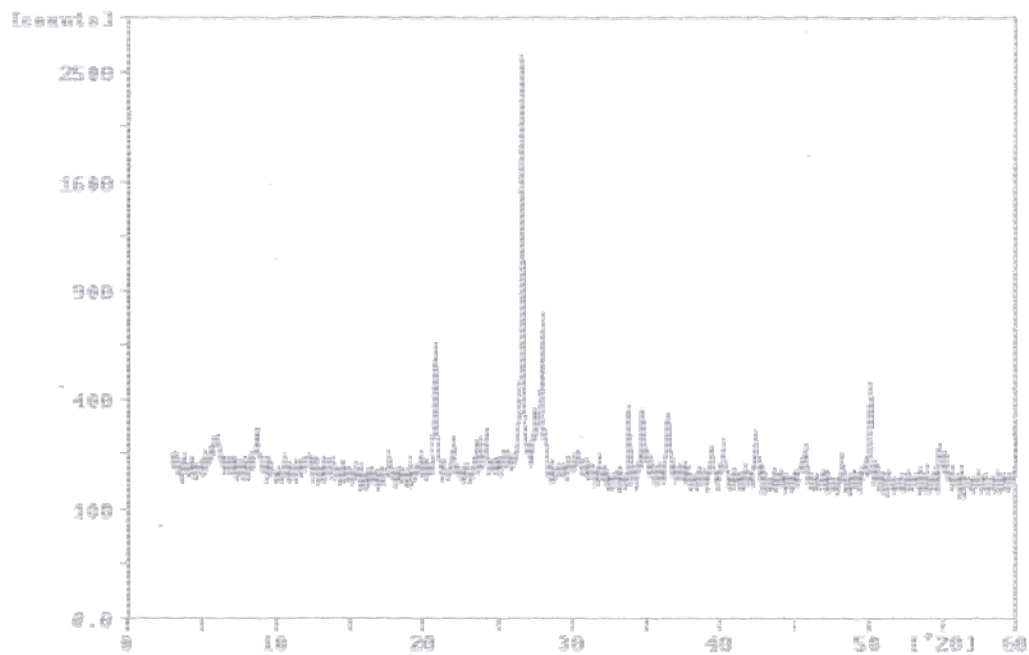
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 2420.640
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 23

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
5.980	14.7676	14.8039	0.560	18	185	0.8	4.69
8.805	10.0348	10.0595	0.160	32	180	1.3	1.58
12.185	7.2578	7.2757	0.480	14	180	0.6	1.76
17.685	5.0111	5.0234	0.120	34	161	1.4	1.14
19.730	4.4961	4.5071	0.320	34	164	1.4	1.02
20.800	4.2671	4.2776	0.140	350	166	14.4	6.72
21.925	4.0507	4.0606	0.160	72	166	3.0	1.16
23.550	3.7747	3.7840	0.120	77	169	3.2	2.60
24.245	3.6681	3.6771	0.160	119	169	4.9	1.88
26.585	3.3503	3.3585	0.140	2421	172	100.0	21.54
27.430	3.2489	3.2569	0.120	144	172	5.9	1.61
27.915	3.1936	3.2014	0.120	640	174	26.4	5.95
30.340	2.9436	2.9509	0.240	50	177	2.1	1.38
33.720	2.6559	2.6624	0.040	279	154	11.5	5.85
34.735	2.5806	2.5869	0.060	276	156	11.4	4.34
36.435	2.4640	2.4700	0.060	266	156	11.0	1.03
39.395	2.2854	2.2910	0.160	123	156	5.1	1.41
40.220	2.2404	2.2459	0.060	135	156	5.6	1.14
42.360	2.1320	2.1373	0.160	182	156	7.5	1.38
45.785	1.9802	1.9851	0.200	119	154	4.9	1.68
48.225	1.8855	1.8902	0.080	128	151	5.3	1.23

Sample identification: t9

19-jul-2006 13:51



T9.D1

Sample identification: t10
Data measured at: 19-Jul-2006 13:08:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12"
Receiving slit: 0.2
Monochromator used: NS

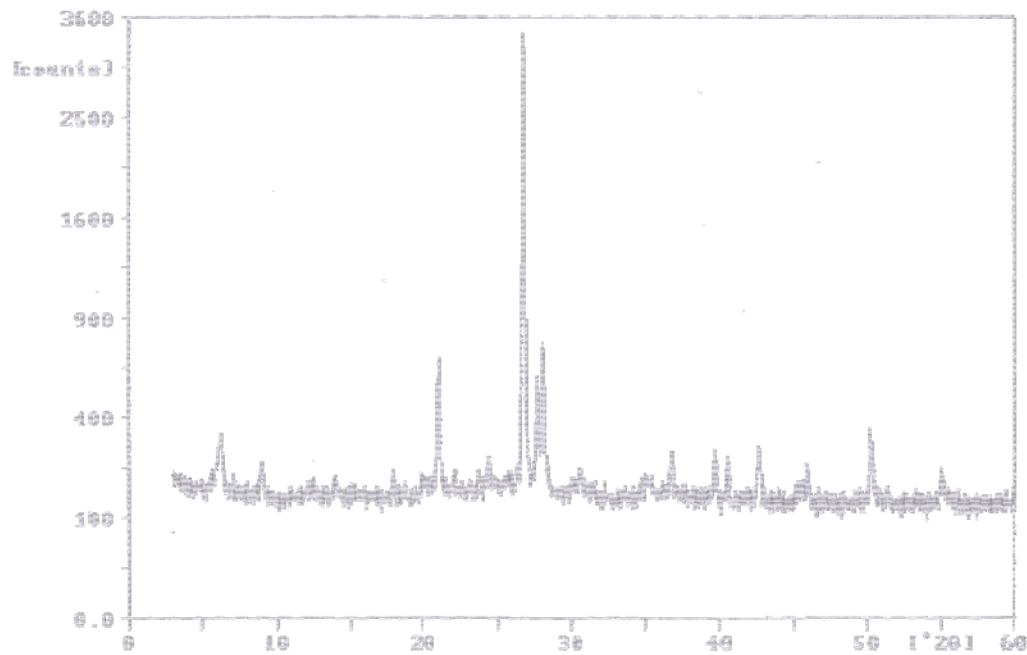
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 3306.250
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.09
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 24

Angle [°2θ]	d-value e1 [Å]	d-value e2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.230	14.1755	14.2104	0.240	34	159	1.0	3.16
9.025	9.7907	9.8148	0.100	32	144	1.0	1.03
12.395	7.1353	7.1529	0.640	11	146	0.3	1.22
13.980	6.3297	6.3453	0.320	14	149	0.4	1.49
17.885	4.9555	4.9677	0.160	31	146	0.9	1.51
19.945	4.4481	4.4599	0.320	32	146	1.0	1.55
20.990	4.2289	4.2393	0.160	420	146	12.7	9.94
22.140	4.0118	4.0217	0.120	59	146	1.8	1.53
23.680	3.7543	3.7635	0.160	59	146	1.8	2.56
24.385	3.6473	3.6563	0.160	83	146	2.5	1.24
25.760	3.4557	3.4642	0.480	48	146	1.4	1.46
26.730	3.3324	3.3406	0.120	3306	146	100.0	19.62
27.660	3.2224	3.2304	0.080	458	146	13.9	2.32
28.060	3.1774	3.1852	0.140	600	146	18.2	8.20
30.605	2.9187	2.9259	0.240	67	146	2.0	1.93
35.075	2.5563	2.5626	0.560	61	142	1.8	2.55
36.680	2.4481	2.4541	0.160	164	139	5.0	2.00
39.605	2.2738	2.2793	0.160	204	137	6.2	2.73
40.425	2.2295	2.2350	0.080	180	135	5.4	1.78
42.380	2.1215	2.1267	0.080	250	135	7.6	1.24
45.940	1.9739	1.9787	0.200	128	130	3.9	1.93

Sample identification: t10

19-Jul-2006 13:29



T10.D1

c

PC-APD, Diffraction software

Sample identification: t11
Data measured at: 19-Jul-2006 11:46:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: ND

Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1971.360
Time per step [s]: 0.400

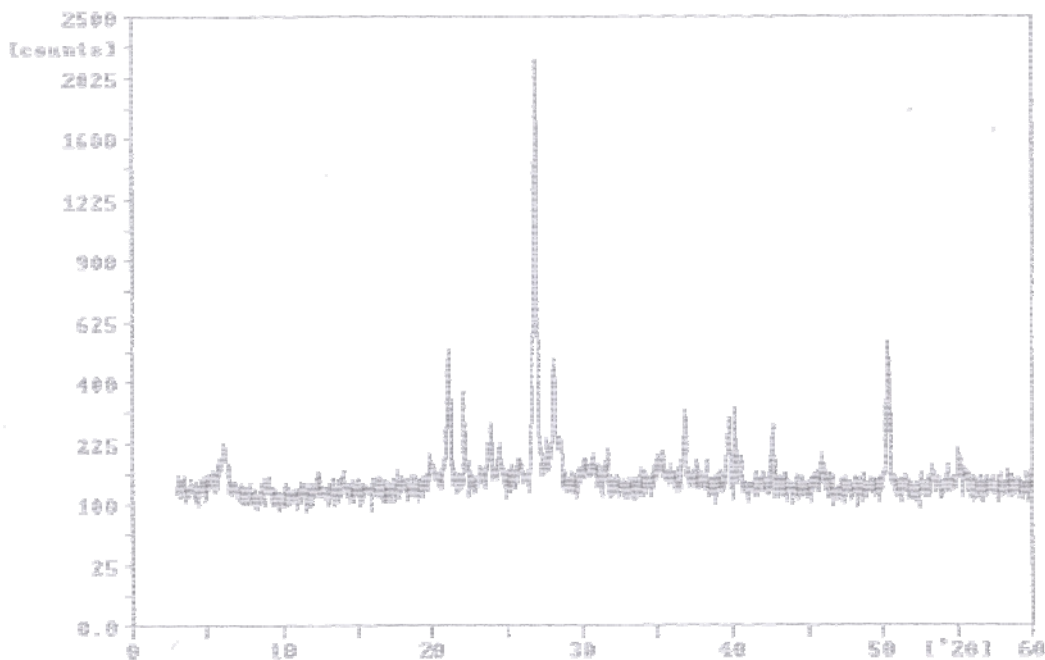
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.60
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 24

Angle [°2θ]	d-value #1 [Å]	d-value #2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.150	14.3597	14.3558	0.200	18	117	0.9	1.01
9.035	9.7799	9.8040	0.480	6	110	0.3	1.61
12.370	7.1497	7.1673	0.480	8	117	0.4	1.79
19.925	4.4525	4.4635	0.320	36	125	1.8	1.03
21.955	4.2160	4.2264	0.100	303	125	15.4	3.36
22.080	4.0226	4.0325	0.080	180	125	9.1	1.76
23.870	3.7248	3.7340	0.060	125	125	6.4	2.04
24.430	3.6407	3.6496	0.160	79	125	4.0	1.49
25.770	3.4543	3.4628	0.400	42	125	2.1	1.47
26.830	3.3202	3.3284	0.120	1971	125	100.0	13.54
28.135	3.1691	3.1769	0.100	353	125	17.9	2.17
28.475	3.1320	3.1397	0.120	100	125	5.1	1.87
30.035	2.9728	2.9801	0.640	48	125	2.4	1.47
31.655	2.8243	2.8312	0.120	85	125	4.3	2.35
33.180	2.6546	2.6609	0.640	66	128	3.3	2.17
36.740	2.4442	2.4502	0.100	204	128	10.4	1.49
39.780	2.2685	2.2741	0.060	240	128	12.2	1.61
40.080	2.2479	2.2534	0.040	286	125	14.5	6.89
40.455	2.2279	2.2334	0.160	85	125	4.3	1.53
42.620	2.1196	2.1248	0.140	180	125	9.1	2.50
45.970	1.9726	1.9775	0.120	102	121	5.2	1.27

Sample identification: t11

19-Jul-2006 12:21



T11.D1

Sample identification: t12
Data measured at: 19-jul-2006 11:13:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12'
Receiving slit: 0.2
Monochromator used: NO

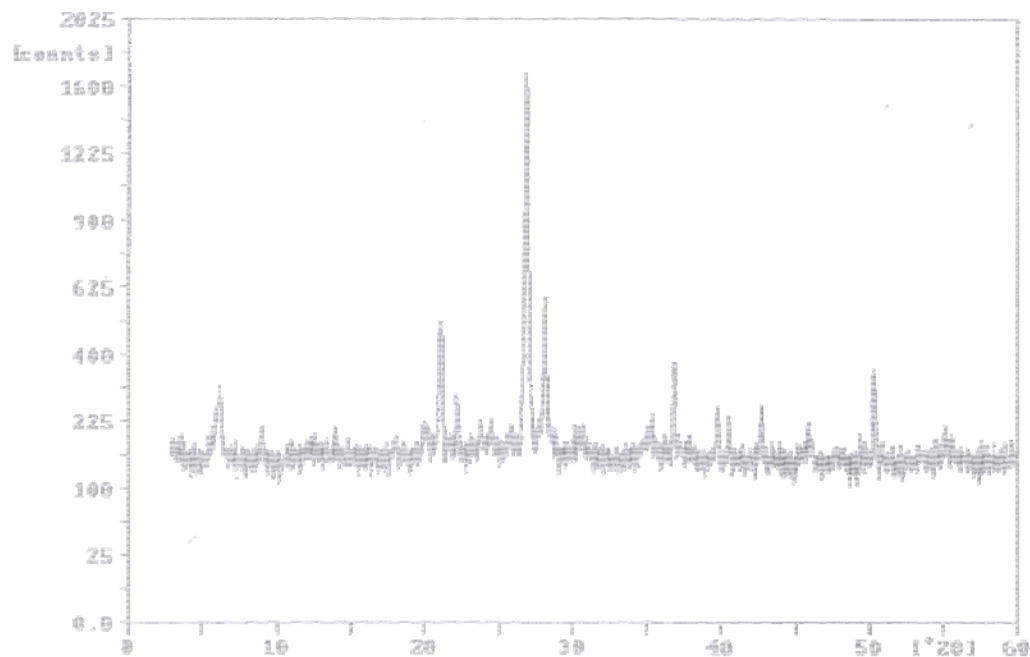
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1521.000
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 22

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.280	14.0628	14.0973	0.240	31	144	2.1	2.48
9.090	9.7208	9.7448	0.160	19	142	1.3	1.43
12.365	7.1526	7.1702	0.800	8	154	0.6	1.56
18.000	4.9241	4.9362	0.240	24	146	1.6	1.57
20.105	4.4130	4.4239	0.480	37	146	2.4	2.29
21.095	4.2081	4.2185	0.180	266	146	17.5	9.51
22.195	4.0020	4.0118	0.080	79	146	5.2	1.07
23.800	3.7356	3.7448	0.120	67	146	4.4	1.71
24.450	3.6378	3.6467	0.240	55	146	3.6	1.01
25.785	3.4524	3.4609	0.240	56	146	3.7	1.55
26.830	3.3202	3.3284	0.140	1521	146	100.0	17.30
28.175	3.1647	3.1725	0.100	350	146	23.0	3.12
30.450	2.9332	2.9405	0.800	38	146	2.5	1.77
33.255	2.5437	2.5500	0.240	77	149	5.1	1.34
36.745	2.4439	2.4499	0.080	299	149	19.7	1.32
39.665	2.2705	2.2760	0.160	161	146	10.6	1.65
40.520	2.2245	2.2300	0.160	108	146	7.1	1.54
42.645	2.1184	2.1236	0.080	185	146	12.2	1.57
46.030	1.9702	1.9751	0.240	83	139	5.4	2.70
49.345	1.8453	1.8499	0.120	83	137	5.4	1.39
50.345	1.8110	1.8155	0.100	396	139	26.0	1.57

Sample Identification: t12

19-jul-2006 12:24



T12.D1

Sample identification: T13
Data measured at: 19-Jul-2006 10:44:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

Start angle [°2θ]: 3.910
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1971.360
Time per step [s]: 0.400
Type of scan: CONTINUOUS

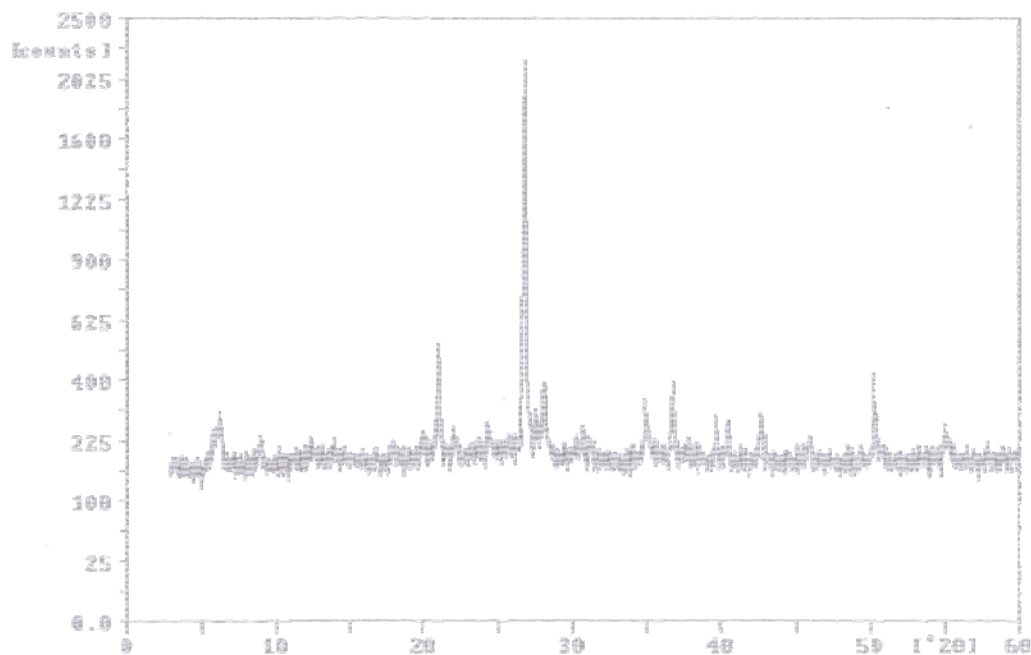
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 20

Angle [°2θ]	d-value e1 [Å]	d-value e2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.185	14.2785	14.3137	0.260	29	156	1.5	2.79
9.045	9.7691	9.7931	0.240	22	161	1.1	1.81
12.410	7.1267	7.1443	0.480	11	177	0.6	1.09
19.960	4.4448	4.4557	0.240	29	177	1.5	1.35
20.985	4.2299	4.2403	0.080	276	180	19.0	1.93
22.105	4.0181	4.0280	0.240	45	180	2.3	3.01
24.410	3.6436	3.6526	0.240	56	180	2.9	2.88
26.805	3.3233	3.3314	0.160	1971	180	100.0	24.08
27.570	3.2328	3.2407	0.120	85	180	4.3	1.04
28.135	3.1691	3.1769	0.180	219	180	10.7	4.31
30.635	2.9160	2.9231	0.120	77	180	3.9	1.49
31.180	2.8662	2.8733	0.240	44	180	2.2	1.15
34.880	2.5702	2.5765	0.060	180	172	9.1	1.78
36.715	2.4458	2.4518	0.060	292	172	14.8	2.17
39.610	2.2735	2.2791	0.080	139	172	7.1	1.12
40.400	2.2306	2.2363	0.100	154	172	7.8	1.03
42.580	2.1215	2.1267	0.160	164	172	8.3	1.52
45.965	1.9729	1.9777	0.240	83	174	4.2	1.98
50.265	1.8137	1.8182	0.080	416	172	21.1	1.49
54.985	1.6692	1.6733	0.200	104	177	5.3	1.08

Sample identification: T13

19-Jul-2006 12:25



T13.D1

c

PC-APD, Diffraction software

Sample identification: t14
Data measured at: 19-jul-2006 10:18:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12"
Receiving slit: 0.2
Monochromator used: NO

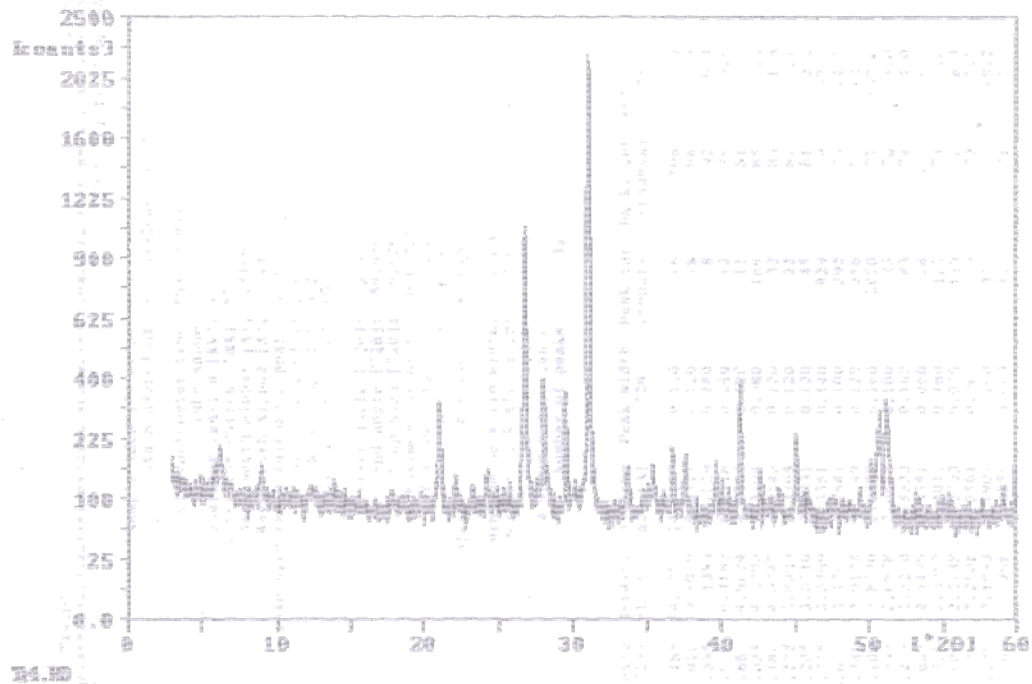
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 2070.250
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 31

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.185	14.2785	14.3137	0.120	18	106	0.9	1.63
9.010	9.8070	9.8311	0.120	18	96	0.9	2.17
12.395	7.1353	7.1529	0.480	8	92	0.4	3.33
14.010	6.3162	6.3318	0.240	13	88	0.6	1.51
17.860	4.9624	4.9746	0.480	11	81	0.5	1.04
21.035	4.2200	4.2304	0.080	169	85	8.2	1.54
22.180	4.0047	4.0145	0.120	32	83	1.6	2.07
23.205	3.8300	3.8395	0.120	22	81	1.1	1.30
24.205	3.6740	3.6831	0.120	45	81	2.2	1.41
26.775	3.3269	3.3351	0.140	829	79	40.1	12.80
28.070	3.1763	3.1841	0.100	292	79	14.1	2.29
29.580	3.0175	3.0249	0.120	256	77	12.4	4.65
31.105	2.8730	2.8800	0.160	2070	77	100.0	23.53
33.695	2.6578	2.6643	0.100	83	76	4.0	1.03
35.495	2.5270	2.5333	0.160	83	74	4.0	2.28
36.665	2.4490	2.4551	0.060	128	74	6.2	2.62
37.520	2.3952	2.4011	0.160	123	74	6.0	1.85
39.605	2.2738	2.2793	0.080	130	72	6.3	1.13
40.030	2.2506	2.2561	0.060	76	72	3.7	1.66
41.280	2.1853	2.1907	0.160	376	71	18.2	5.90
42.600	2.1206	2.1258	0.060	110	71	5.3	1.97

Sample identification: t14

19-jul-2006 10:39



Sample identification: titop
 Data measured at: 4-aug-2006 12:21:00

Diffraction type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1011.240
 Time per step [s]: 0.400

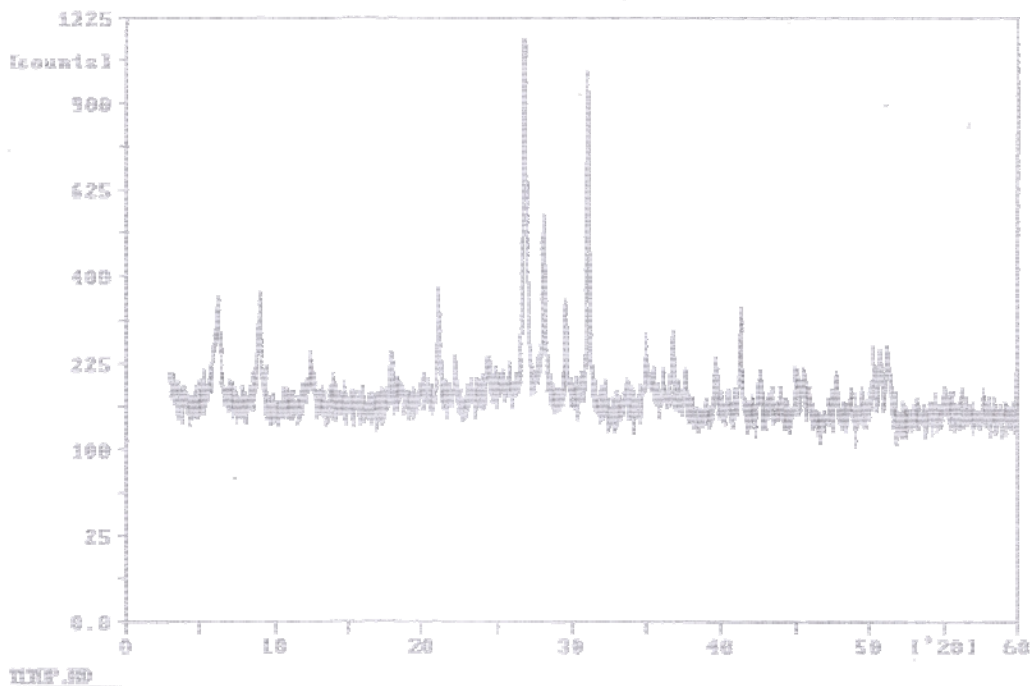
Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 30

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.225	14.1869	14.2218	0.120	42	154	4.2	3.01
9.025	9.7907	9.8148	0.080	71	151	7.0	1.26
12.530	7.0587	7.0761	0.320	26	154	2.6	2.16
14.040	6.3028	6.3183	0.480	12	154	1.2	1.04
17.905	4.9500	4.9622	0.160	49	151	4.8	1.35
20.040	4.4272	4.4381	0.480	23	149	2.3	1.30
21.005	4.2260	4.2363	0.080	180	149	17.8	1.64
22.135	4.0127	4.0226	0.160	56	149	5.6	1.01
24.390	3.6466	3.6555	0.280	71	146	7.0	1.93
26.765	3.3281	3.3363	0.140	1011	144	100.0	11.48
28.105	3.1724	3.1802	0.180	420	144	41.6	7.80
29.575	3.0180	3.0254	0.140	219	144	21.7	3.04
31.105	2.8730	2.8800	0.120	992	142	98.1	7.29
33.665	2.6601	2.6667	0.240	58	142	5.7	2.14
34.945	2.5655	2.5719	0.060	188	139	18.6	1.73
36.140	2.4834	2.4895	0.240	72	139	7.1	1.24
36.705	2.4465	2.4525	0.160	190	139	18.8	1.99
37.515	2.3955	2.4014	0.160	96	139	9.5	1.01
39.590	2.2746	2.2802	0.120	142	137	14.0	1.18
41.295	2.1845	2.1899	0.120	296	137	29.3	2.25
42.590	2.1210	2.1263	0.200	96	137	9.5	1.80

Sample identification: titop

4-aug-2006 12:42



Sample identification: t2top
Data measured at: 4-aug-2006 12:43:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 35
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

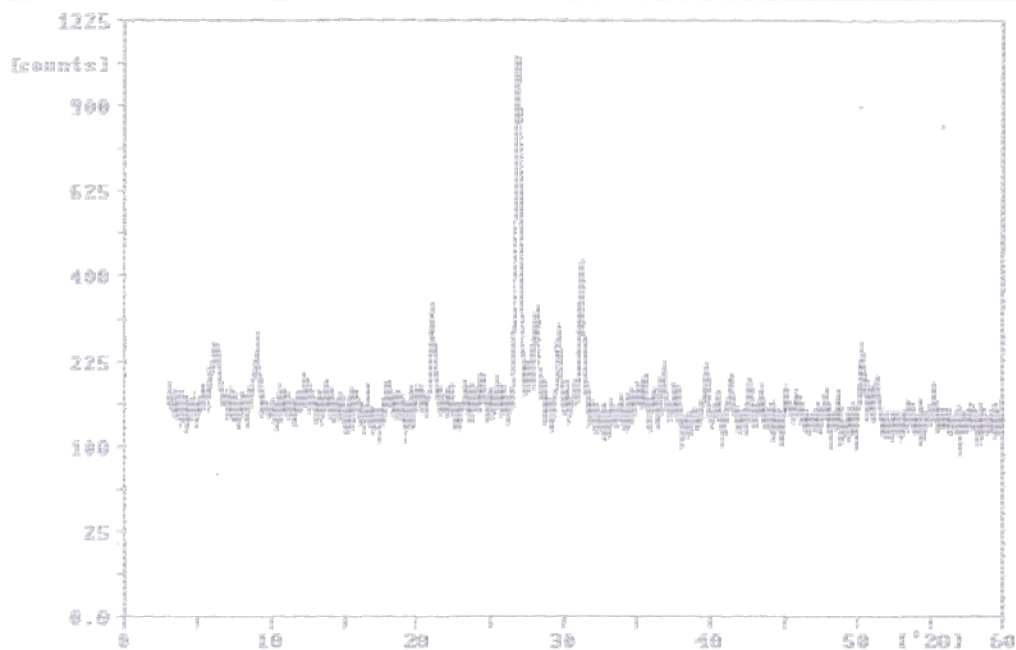
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 930.2500
Time per step [s]: 0.400
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 26

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.280	14.0628	14.0973	0.480	22	149	2.4	3.59
9.120	9.6889	9.7128	0.320	35	146	3.7	4.30
12.485	7.0841	7.1015	0.480	15	149	1.6	1.37
17.915	4.9473	4.9594	0.480	18	139	1.9	1.73
20.925	4.2419	4.2524	0.090	130	144	14.0	1.12
24.440	3.6392	3.6482	0.240	31	146	3.4	1.57
26.720	3.3336	3.3418	0.090	930	144	100.0	3.18
26.925	3.3087	3.3169	0.100	924	144	99.3	4.66
28.220	3.1598	3.1675	0.100	172	142	18.4	1.20
29.655	3.0190	3.0175	0.160	166	129	17.9	1.09
31.065	2.8766	2.8836	0.100	286	139	30.7	1.03
31.240	2.8608	2.8679	0.120	350	139	37.6	2.61
35.300	2.5406	2.5468	0.640	40	137	4.3	1.21
36.765	2.4426	2.4486	0.160	90	132	9.7	1.26
39.730	2.2669	2.2725	0.120	125	128	13.5	1.38
40.500	2.2255	2.2310	0.240	48	128	5.1	1.75
41.415	2.1785	2.1838	0.320	90	128	9.7	3.14
42.715	2.1151	2.1203	0.320	77	128	8.3	3.07
43.375	2.0845	2.0896	0.320	53	128	5.7	1.05
45.115	2.0080	2.0130	0.320	56	128	6.0	1.17
47.760	1.9028	1.9075	0.480	48	128	5.1	1.54

Sample identification: t2top

4-aug-2006 13:04



EXP NO

Sample identification: t3top
Data measured at: 4-aug-2006 13:05:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1648.360
Time per step [s]: 0.400

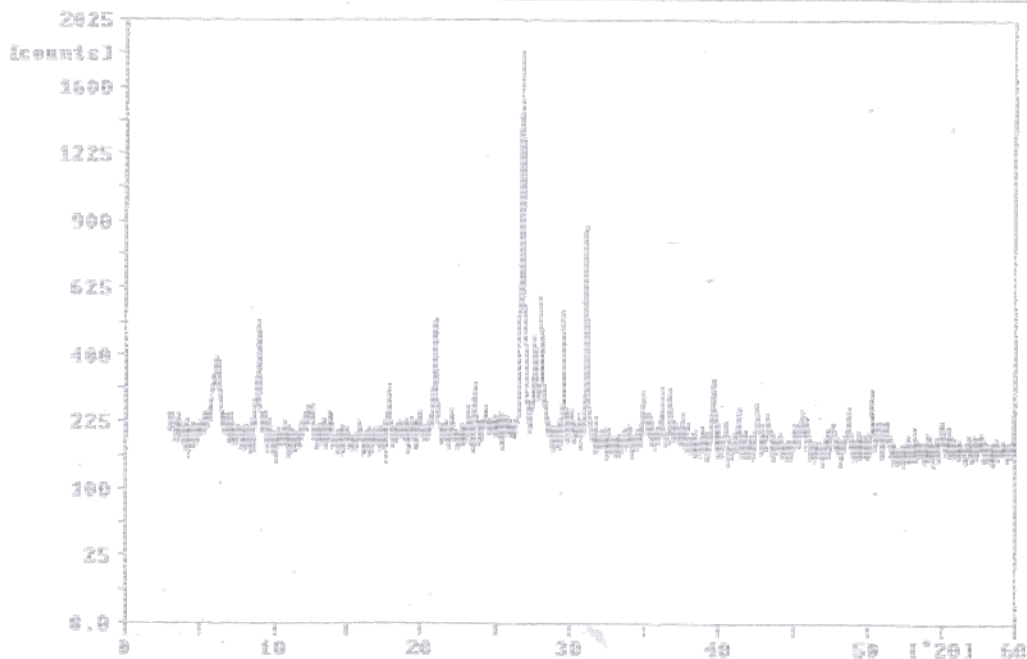
Type of scan: CONTINUOUS
Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 1.00
Number of peaks: 30

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
3.320	26.5910	26.6564	0.800	4	185	0.2	1.59
6.155	14.3481	14.3834	0.240	49	185	3.0	3.64
8.960	9.8616	9.8859	0.080	110	185	6.7	1.82
12.510	7.0700	7.0874	0.400	27	193	1.6	1.52
17.885	4.9555	4.9677	0.080	88	185	5.4	1.20
19.920	4.4536	4.4646	0.240	31	185	1.9	1.21
20.920	4.2429	4.2534	0.100	250	185	15.1	3.20
22.070	4.0244	4.0343	0.120	46	182	2.8	1.46
23.130	3.8423	3.8517	0.120	53	182	3.2	1.35
23.605	3.7660	3.7753	0.080	92	182	5.6	1.37
24.260	3.6658	3.6748	0.240	49	182	3.0	1.00
26.700	3.3361	3.3443	0.120	1648	182	100.0	11.77
27.565	3.2333	3.2413	0.100	282	182	17.1	1.32
28.035	3.1802	3.1880	0.100	404	182	24.5	2.38
29.480	3.0275	3.0350	0.080	380	182	23.1	1.30
31.035	2.8793	2.8864	0.140	801	182	48.6	9.83
34.875	2.5705	2.5769	0.160	114	180	6.9	1.24
36.085	2.4871	2.4932	0.120	130	177	7.9	2.61
36.620	2.4519	2.4580	0.100	166	177	10.1	1.16
39.525	2.2782	2.2838	0.100	240	172	14.6	2.19
40.395	2.2311	2.2366	0.240	53	169	3.2	1.76

Sample identification: t3top

4-aug-2006 13:23



Sample identification: t4top
 Data measured at: 4-aug-2006 13:27:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1592.010
 Time per step [s]: 0.400

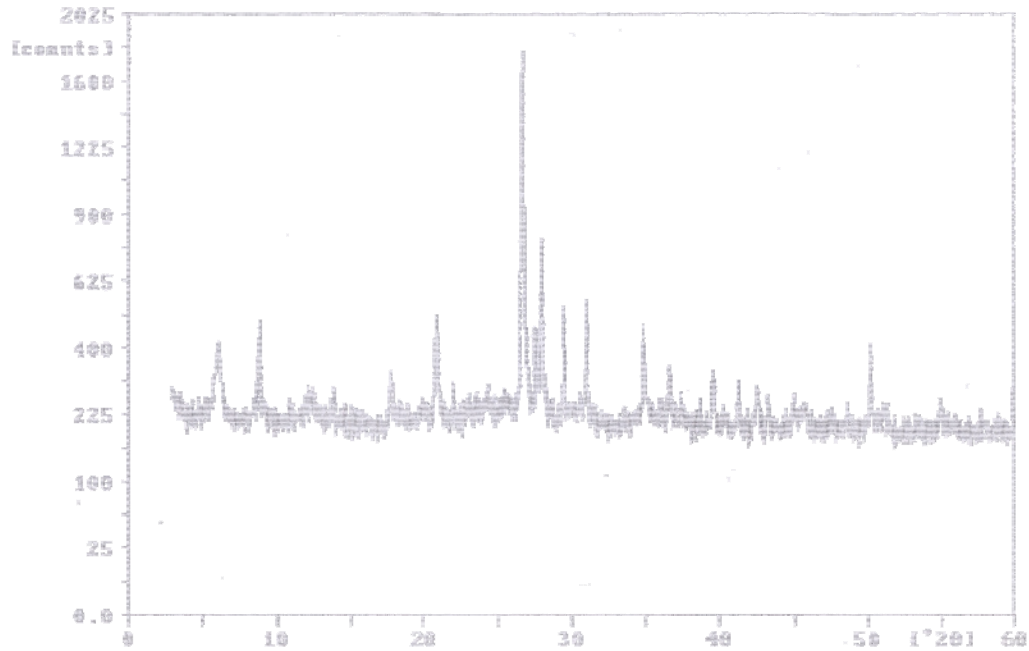
Type of scan: CONTINUOUS
 Intensities converted to: AUTOMATIC

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 1.00
 Number of peaks: 29

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.125	14.4183	14.4537	0.280	41	216	2.6	4.34
8.920	9.9057	9.9301	0.080	94	210	5.9	2.01
12.315	7.1815	7.1992	0.640	21	213	1.3	1.85
13.835	6.3957	6.4114	0.240	10	210	0.6	1.05
17.840	4.9679	4.9801	0.120	64	202	4.0	1.81
19.930	4.4514	4.4624	0.480	26	202	1.6	1.41
20.865	4.2540	4.2645	0.080	207	202	13.0	1.35
23.075	4.0235	4.0334	0.100	81	202	5.1	1.20
23.600	3.7668	3.7761	0.240	52	199	3.3	1.07
24.370	3.6495	3.6585	0.400	64	199	4.0	1.49
26.685	3.3379	3.3461	0.100	1592	199	100.0	8.44
27.525	3.2379	3.2459	0.080	253	199	15.9	1.46
27.825	3.2037	3.2116	0.060	408	199	25.6	2.15
27.980	3.1863	3.1942	0.140	600	199	37.7	6.25
29.465	3.0290	3.0365	0.120	339	199	21.3	3.79
30.985	2.8838	2.8909	0.120	396	199	24.9	3.85
34.855	2.5720	2.5783	0.080	346	204	21.7	2.39
36.030	2.4907	2.4969	0.160	77	202	4.9	1.07
36.605	2.4529	2.4590	0.160	146	202	9.2	1.42
39.505	2.2793	2.2849	0.140	161	199	10.1	1.50
41.175	2.1906	2.1960	0.120	144	196	9.0	3.18

Sample identification: t4top

4-aug-2006 13:48



PDF.D

DIFFRATTOGRAMMI CAMPIONI CAVA DI COZZO LA TORRE - COZZO CARONARO - COZZO DI PIRO

File: CTBASSO.DI 8-oct-2007 13:25
 =====
 Philips Analytical PC-APD, Diffraction software

Sample identification: CT-basso
 Data measured at: 8-oct-2007 13:05:00

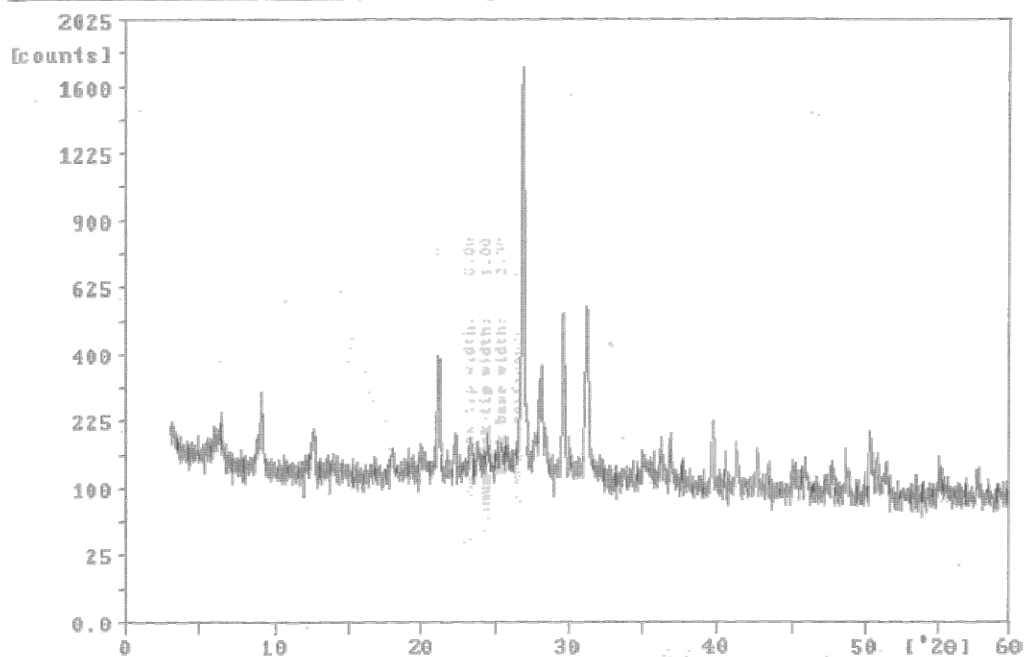
Diffraction type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12"
 Receiving slit: 0.2
 Monochromator used: NO
 Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1600.000
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 35

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.500	13.5873	13.6207	0.060	58	144	3.6	0.76
9.120	9.6889	9.7128	0.100	164	130	10.2	2.24
12.745	6.9401	6.9572	0.200	72	123	4.5	1.93
14.125	6.2650	6.2805	0.240	23	121	1.4	0.80
16.710	5.3012	5.3143	0.240	19	117	1.2	0.89
18.000	4.9241	4.9362	0.200	42	117	2.6	1.17
19.955	4.4459	4.4568	0.240	30	119	1.9	0.90
21.135	4.2003	4.2106	0.120	246	119	15.4	5.01
22.280	3.9869	3.9967	0.160	59	119	3.7	1.05
23.285	3.8171	3.8265	0.120	71	119	4.4	1.11
23.815	3.7333	3.7425	0.240	45	119	2.8	1.42
24.475	3.6341	3.6430	0.240	46	119	2.9	2.11
25.470	3.4943	3.5029	0.480	38	119	2.4	0.99
26.880	3.3142	3.3223	0.120	1600	119	100.0	14.07
27.770	3.2099	3.2178	0.120	74	119	4.6	0.79
28.195	3.1625	3.1703	0.080	210	119	13.1	1.15
29.645	3.0110	3.0184	0.180	420	119	26.3	12.57
31.210	2.8635	2.8706	0.120	428	119	26.8	4.55
35.255	2.5437	2.5500	0.640	25	110	1.6	1.50
36.215	2.4784	2.4845	0.160	56	108	3.5	1.03
36.775	2.4420	2.4480	0.060	90	104	5.6	1.59
39.700	2.2685	2.2741	0.080	98	100	6.1	1.24

Sample identification: CT-basso

8-oct-2007 13:25



CTBASSO.DI

Sample identification: CT-alto
Data measured at: 8-oct-2007 12:43:00

Diffractometer type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

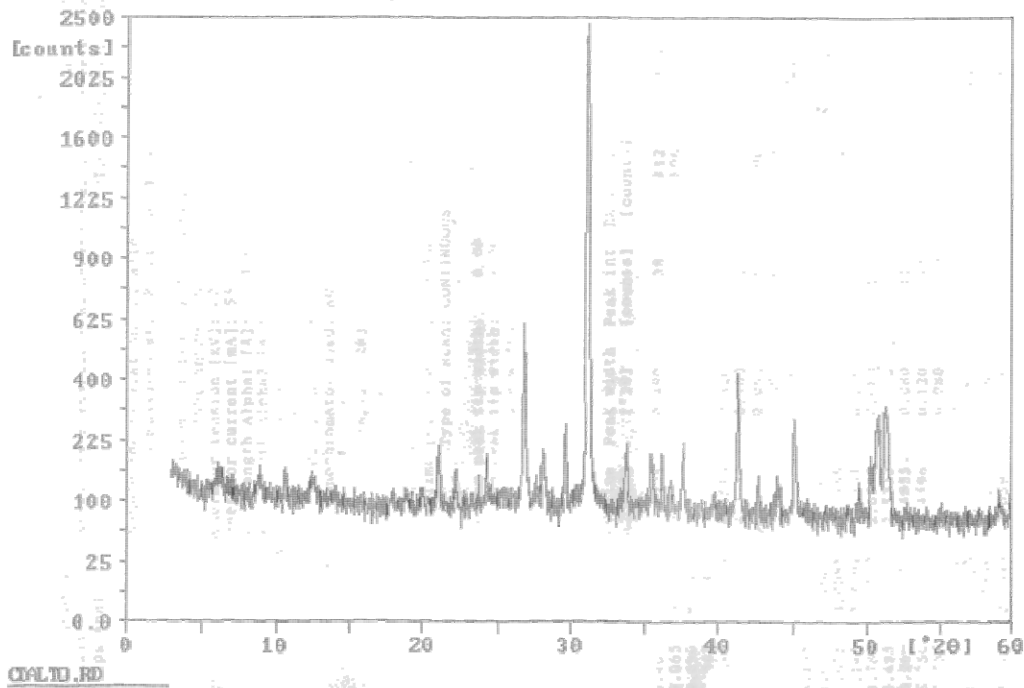
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 2361.960
Time per step [s]: 0.400
Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 0.75
Number of peaks: 28

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.405	13.7886	13.8225	0.480	38	112	1.6	2.00
9.065	9.7476	9.7716	0.240	35	106	1.5	1.23
10.690	8.2692	8.2896	0.120	42	102	1.8	0.77
12.565	7.0392	7.0565	0.320	29	100	1.2	0.93
19.980	4.4404	4.4513	0.320	15	92	0.6	0.84
21.070	4.2131	4.2234	0.100	123	90	5.2	1.81
22.220	3.9975	4.0074	0.060	59	90	2.5	1.05
24.260	3.6658	3.6748	0.100	102	88	4.3	1.21
26.820	3.3214	3.3296	0.120	520	86	22.0	7.46
28.135	3.1691	3.1769	0.080	98	86	4.1	1.52
28.695	3.1085	3.1162	0.160	27	86	1.1	0.76
29.675	3.0081	3.0155	0.080	159	86	6.7	1.10
31.145	2.8694	2.8764	0.140	2362	85	100.0	16.10
33.780	2.6513	2.6578	0.080	128	83	5.4	1.29
35.495	2.5270	2.5333	0.080	85	83	3.6	0.85
36.200	2.4794	2.4855	0.080	112	81	4.8	1.20
36.750	2.4436	2.4496	0.120	45	81	1.9	1.83
37.550	2.3933	2.3992	0.080	125	81	5.3	0.82
39.655	2.2710	2.2766	0.200	31	79	1.3	1.18
41.315	2.1835	2.1889	0.120	342	79	14.5	3.38
42.635	2.1189	2.1241	0.060	69	77	2.9	2.06
44.045	2.0543	2.0593	0.160	36	77	1.5	1.62

Sample identification: CT-alto

8-oct-2007 13:04



Sample identification: CC-alto
 Data measured at: 8-oct-2007 11:09:00

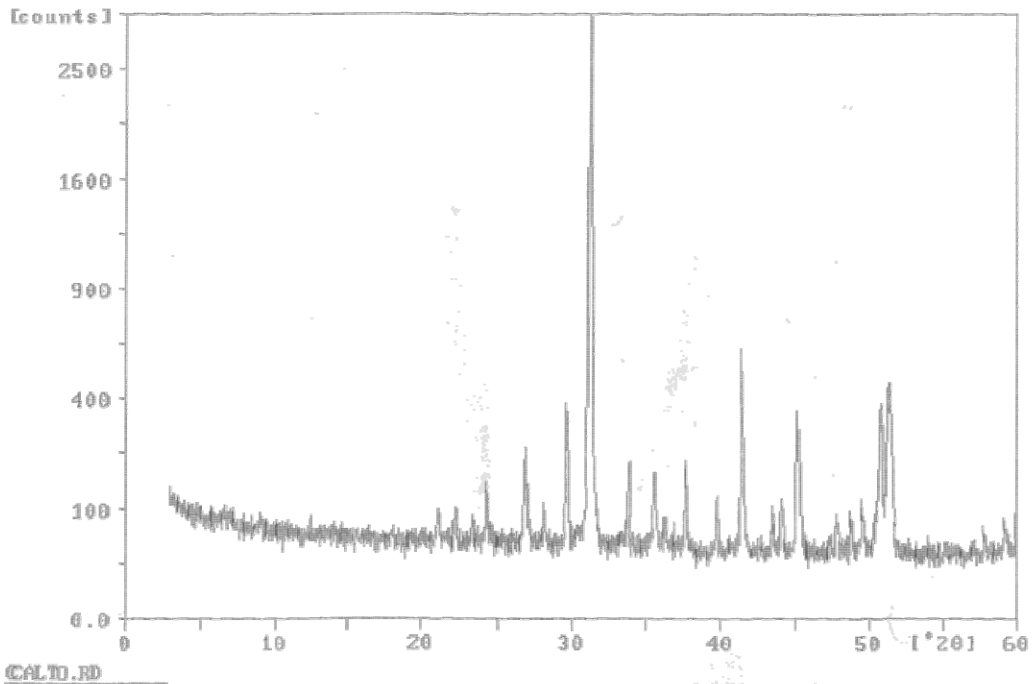
Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 2992.090
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 28

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
7.005	12.6088	12.6399	0.480	13	74	0.4	1.10
9.200	9.6049	9.6285	0.640	7	64	0.2	0.90
21.100	4.2071	4.2175	0.100	45	50	1.5	1.08
22.320	3.9799	3.9897	0.100	40	49	1.3	1.08
23.295	3.8154	3.8248	0.120	31	48	1.0	1.97
24.315	3.6576	3.6666	0.120	108	48	3.6	1.73
26.885	3.3136	3.3217	0.080	196	45	6.6	1.34
28.155	3.1669	3.1747	0.120	50	45	1.7	0.89
29.640	3.0115	3.0189	0.100	342	44	11.4	3.45
31.200	2.8644	2.8715	0.180	2992	42	100.0	38.49
33.785	2.6509	2.6575	0.140	161	40	5.4	4.57
35.595	2.5202	2.5264	0.140	137	38	4.6	3.55
36.235	2.4771	2.4832	0.160	37	38	1.2	1.25
36.800	2.4404	2.4464	0.060	40	37	1.3	0.76
37.600	2.3903	2.3961	0.080	139	37	4.7	1.20
39.650	2.2713	2.2769	0.060	85	36	2.8	1.97
41.360	2.1812	2.1866	0.140	449	36	15.0	6.71
43.415	2.0826	2.0878	0.060	69	36	2.3	1.46
44.050	2.0541	2.0591	0.160	77	36	2.6	1.71
45.170	2.0057	2.0106	0.080	320	36	10.7	1.76
47.760	1.9028	1.9075	0.240	48	36	1.6	3.15
48.765	1.8659	1.8705	0.080	61	36	2.0	0.88

Sample identification: CC-alto 8-oct-2007 11:30



Sample identification: CP-basso
 Data measured at: 8-oct-2007 11:54:00

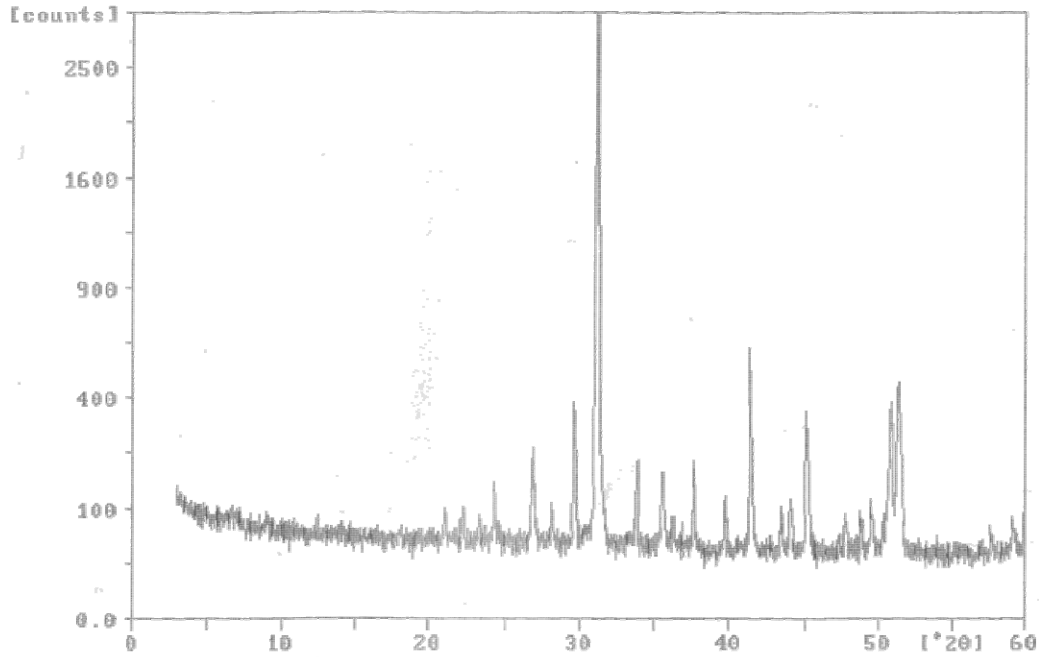
Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 316.8400
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 23

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.925	12.7543	12.7857	0.320	69	128	21.7	1.64
9.640	9.1674	9.1900	0.200	83	106	26.1	1.55
13.155	6.7247	6.7413	0.120	85	98	26.7	0.99
18.335	4.8349	4.8468	0.480	15	90	4.8	1.13
21.310	4.1662	4.1764	0.200	64	92	20.2	1.52
21.600	4.1109	4.1210	0.080	114	92	36.1	1.15
25.725	3.4603	3.4688	0.560	45	100	14.2	3.51
27.060	3.2925	3.3006	0.100	243	96	76.8	1.04
27.285	3.2659	3.2739	0.160	317	96	100.0	1.43
28.650	3.1133	3.1210	0.120	96	94	30.3	2.52
29.880	2.9879	2.9952	0.240	90	90	28.5	2.36
31.640	2.8256	2.8325	0.280	58	88	18.2	1.67
33.585	2.6663	2.6728	0.240	14	85	4.6	0.80
35.605	2.5195	2.5257	0.400	14	92	4.3	0.86
40.160	2.2436	2.2491	0.240	34	83	10.6	0.90
42.975	2.1029	2.1081	0.400	17	81	5.3	0.95
43.965	2.0578	2.0629	0.400	15	81	4.8	0.84
46.075	1.9684	1.9732	0.960	18	79	5.8	1.24
48.080	1.8909	1.8955	0.480	21	77	6.7	1.57
49.085	1.8545	1.8591	0.480	25	77	7.9	1.91
50.665	1.8003	1.8047	0.240	48	77	15.0	1.32
51.670	1.7676	1.7720	0.240	24	76	7.6	1.44

Sample identification: CP-basso 8-oct-2007 12:18



CPBASSO.DI

Sample identification: CP-alto
Data measured at: 8-oct-2007 12:19:00

Diffraction type: PW1710 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54439
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO

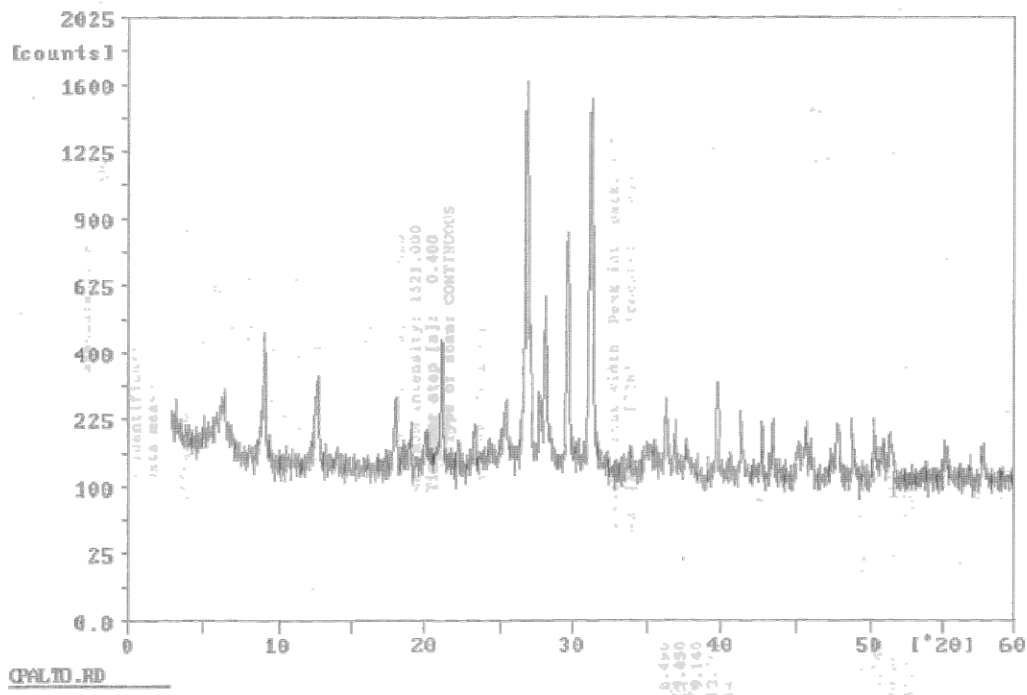
Start angle [°2θ]: 3.010
End angle [°2θ]: 59.990
Step size [°2θ]: 0.020
Maximum intensity: 1521.000
Time per step [s]: 0.400
Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
Maximum peak tip width: 1.00
Peak base width: 2.00
Minimum significance: 0.75
Number of peaks: 36

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.490	13.6082	13.6417	0.120	108	169	7.1	0.75
7.450	11.8567	11.8858	0.120	22	156	1.5	0.86
9.140	9.6678	9.6916	0.080	313	144	20.6	2.23
12.765	6.9293	6.9464	0.120	174	135	11.5	2.65
14.085	6.2828	6.2982	0.240	22	132	1.5	0.76
18.025	4.9173	4.9294	0.100	121	128	8.0	1.49
19.060	4.6526	4.6640	0.240	66	125	4.3	1.86
20.110	4.4120	4.4228	0.320	53	125	3.5	1.38
21.105	4.2062	4.2165	0.100	317	125	20.8	3.75
23.320	3.8114	3.8208	0.080	90	123	5.9	0.92
25.430	3.4997	3.5084	0.120	146	121	9.6	0.92
26.885	3.3136	3.3217	0.120	1521	121	100.0	12.67
27.680	3.2202	3.2281	0.040	169	121	11.1	1.58
28.185	3.1636	3.1714	0.080	441	121	29.0	1.93
29.660	3.0095	3.0170	0.140	713	119	46.9	10.29
31.220	2.8626	2.8697	0.140	1384	119	91.0	15.39
33.790	2.6506	2.6571	0.240	41	117	2.7	2.07
35.140	2.5518	2.5580	0.480	44	117	2.9	1.03
36.230	2.4774	2.4835	0.080	135	114	8.8	0.82
36.805	2.4400	2.4461	0.160	94	114	6.2	1.70
37.635	2.3881	2.3940	0.240	48	114	3.1	1.20
39.695	2.2688	2.2744	0.060	185	112	12.2	2.09

Sample identification: CP-alto

8-oct-2007 12:42



DIFFRATTOGRAMMI CAMPIONI MINISTALLA

File: DF12.D1 8-oct-2007 11:06
 Philips Analytical PC-APD, Diffraction software

Sample identification: DF12
 Data measured at: 8-oct-2007 10:46:00

Diffractometer type: PW1710 BASE3
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

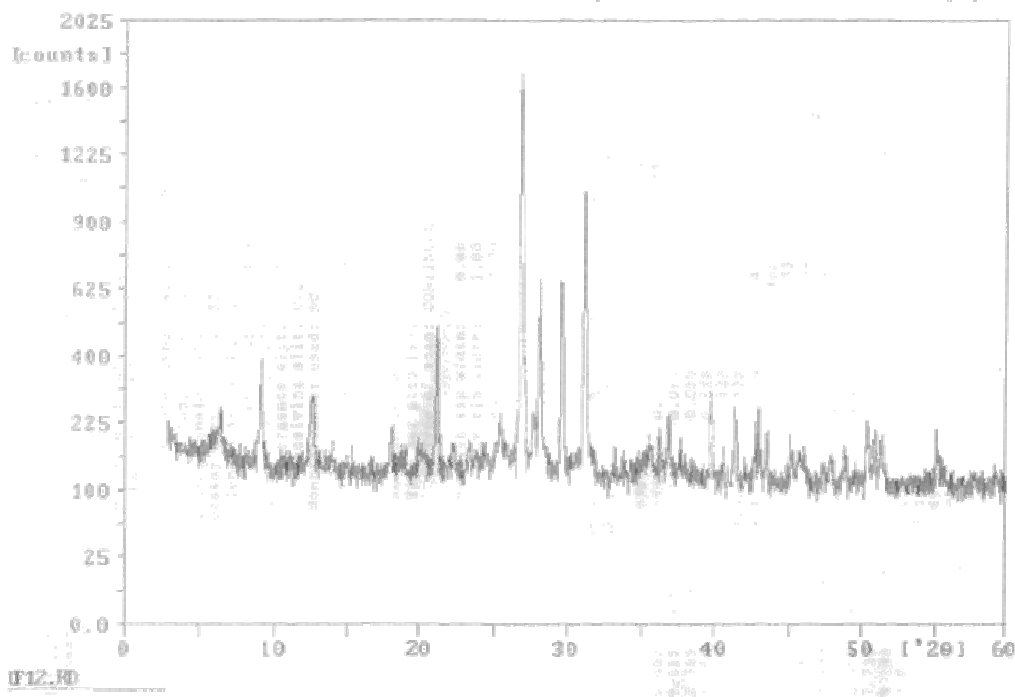
Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1560.250
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 41

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
3.200	27.5879	27.6558	0.480	30	166	1.9	1.10
6.465	13.6607	13.6944	0.240	86	156	5.5	1.57
9.115	9.6942	9.7181	0.080	250	139	16.0	1.61
12.765	6.9293	6.9464	0.060	156	132	10.0	1.13
14.105	6.2739	6.2893	0.120	48	136	3.1	1.34
18.070	4.9082	4.9173	0.120	98	128	5.8	2.12
19.040	4.6574	4.6689	0.120	50	123	3.2	1.31
20.045	4.4261	4.4370	0.240	41	123	2.6	1.52
21.180	4.2071	4.2175	0.080	365	123	29.4	2.33
22.270	3.9887	3.9985	0.120	55	121	3.5	1.44
23.315	3.8122	3.8216	0.120	64	121	4.1	2.14
24.430	3.6407	3.6496	0.240	48	121	3.1	1.26
25.415	3.5018	3.5104	0.120	100	119	6.4	2.03
26.880	3.3142	3.3223	0.140	1560	119	100.0	18.64
27.730	3.2145	3.2224	0.120	132	119	8.2	0.84
28.180	3.1642	3.1719	0.080	334	119	34.2	2.26
29.650	3.0105	3.0179	0.100	538	117	34.5	4.28
31.210	2.8635	2.8708	0.160	936	117	60.0	14.51
33.275	2.6904	2.6970	0.120	31	114	2.0	1.40
35.795	2.6502	2.6567	0.240	19	114	1.9	0.96
35.595	2.5202	2.5264	0.160	59	114	3.8	0.91
36.220	2.4781	2.4842	0.080	83	114	5.4	0.94

Sample identification: DF12

8-oct-2007 11:07



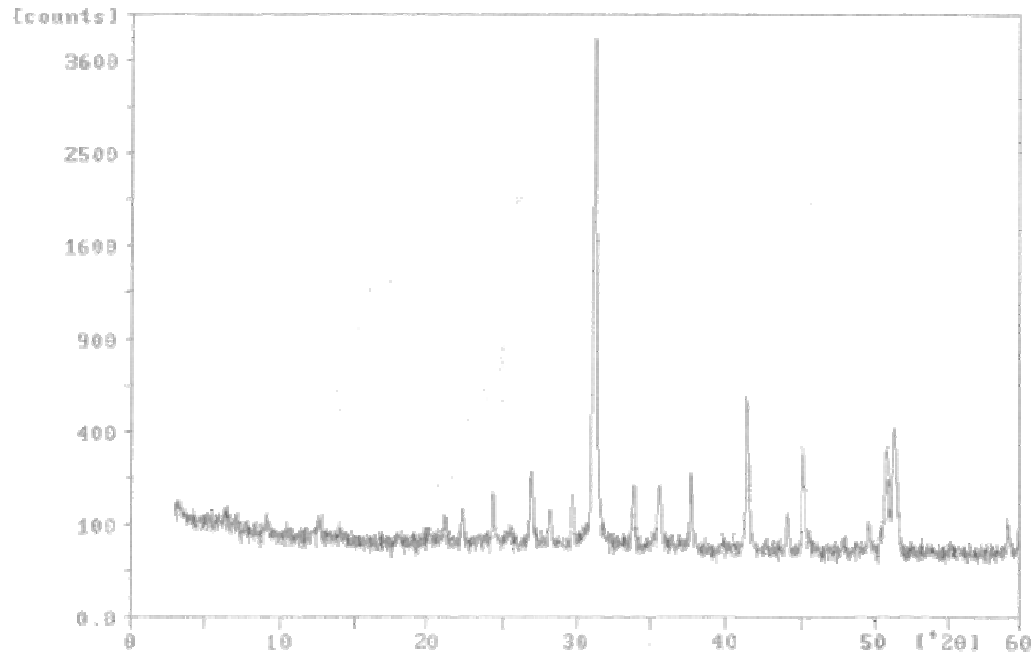
Sample identification: df10
 Data measured at: 8-oct-2007 10:21:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO
 Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 3881.290
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 29

Angle [°2θ]	d-value a1 [Å]	d-value a2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
3.165	27.8929	27.9615	0.240	38	106	1.0	0.95
6.435	13.7244	13.7581	0.200	24	94	0.6	0.93
9.100	9.7102	9.7341	0.120	38	79	1.0	1.50
12.665	6.9838	7.0010	0.320	28	74	0.7	1.54
17.970	4.9323	4.9444	0.400	12	61	0.3	0.97
19.995	4.4371	4.4480	0.480	20	61	0.5	1.39
21.110	4.2052	4.2155	0.120	45	59	1.2	1.01
22.290	3.9831	3.9950	0.080	61	59	1.6	0.96
24.320	3.6869	3.6959	0.100	117	58	3.0	1.67
25.340	3.5120	3.5206	0.400	19	38	0.5	0.77
26.890	3.3129	3.3211	0.080	188	38	4.8	1.35
28.220	3.1598	3.1675	0.120	44	36	1.1	1.09
29.685	3.0071	3.0143	0.080	119	36	3.1	0.93
31.205	2.8640	2.8710	0.180	3881	35	100.0	46.26
33.810	2.6490	2.6555	0.160	146	35	3.8	4.38
35.595	2.5202	2.5264	0.200	139	33	3.6	4.44
37.615	2.3893	2.3952	0.100	188	32	4.8	3.28
39.775	2.2644	2.2700	0.240	18	32	0.5	1.11
40.440	2.2287	2.2342	0.120	23	32	0.6	0.79
41.370	2.1807	2.1861	0.140	311	30	13.2	7.24
44.660	2.0536	2.0587	0.060	77	30	2.0	0.96
45.180	2.0053	2.0102	0.100	289	30	7.4	2.48

Sample identification: df10 8-oct-2007 10:44



DF10.ID

Sample identification: df13
 Data measured at: 12-may-2006 11:00:00

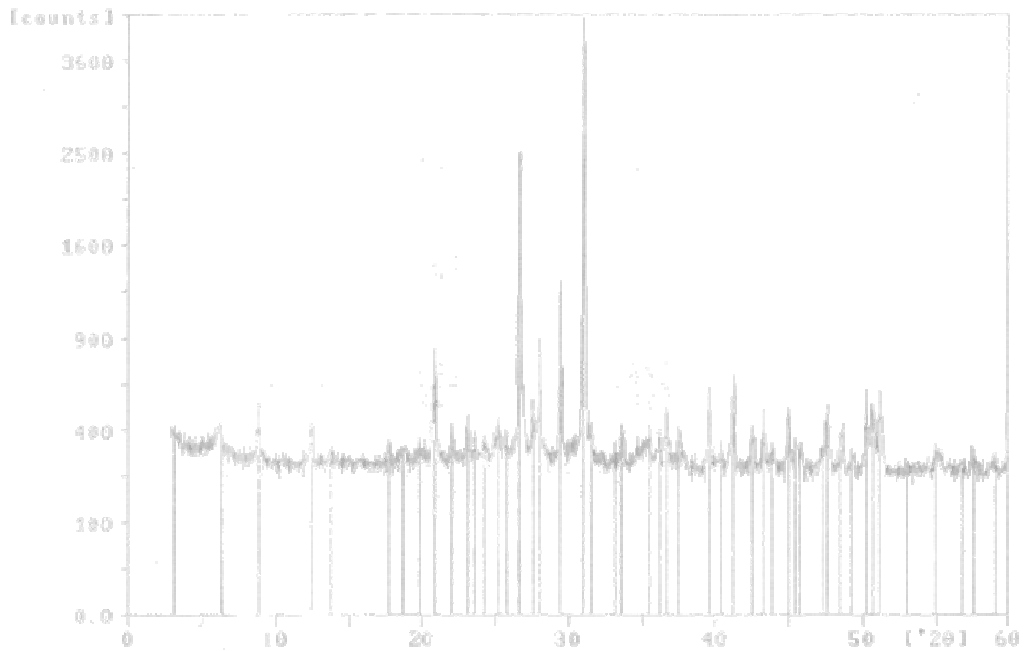
Diffractionmeter type: PW1710 BASED
 Tube anode: Cu
 Generator tension (kV): 40
 Generator current (mA): 55
 Wavelength Alpha1 (Å): 1.54060
 Wavelength Alpha2 (Å): 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12"
 Receiving slit: 0.1
 Monochromator used: NO

Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.970
 Step size [°2θ]: 0.050
 Maximum intensity: 3906.250
 Time per step (s): 1.000
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 49

Angle [°2θ]	d-value #1 [Å]	d-value #2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
3.150	27.9370	28.0858	0.480	59	328	1.5	0.80
6.340	13.9298	13.9641	0.240	100	303	2.6	1.96
8.905	9.9224	9.9468	0.120	243	276	6.2	1.23
12.525	7.0447	7.0621	0.060	210	262	5.4	1.23
13.940	6.2478	6.2634	0.160	46	262	1.2	0.86
17.815	4.9748	4.9871	0.160	79	262	2.0	1.08
18.780	4.7263	4.7379	0.240	58	262	1.5	1.19
19.800	4.4803	4.4914	0.320	77	262	2.0	1.12
20.890	4.2490	4.2594	0.100	552	339	14.1	3.35
22.090	4.0262	4.0361	0.080	108	339	2.8	1.07
23.115	3.8447	3.8542	0.080	166	339	4.3	2.06
23.890	3.7684	3.7777	0.120	104	339	2.7	2.47
24.140	3.6838	3.6928	0.240	96	339	2.5	2.49
25.230	3.5284	3.5371	0.100	190	336	4.9	1.10
25.665	3.4682	3.4768	0.200	139	336	3.6	1.97
26.675	3.3392	3.3474	0.120	236	336	37.8	14.58
27.515	3.2391	3.2471	0.100	289	336	7.4	2.40
27.960	3.1885	3.1964	0.140	320	336	13.3	6.54
29.465	3.0270	3.0363	0.100	1050	253	26.9	5.88
30.990	2.8834	2.8904	0.160	3906	253	100.0	34.63
31.420	2.8449	2.8518	0.060	182	253	4.7	0.76
33.100	2.7042	2.7109	0.040	98	253	2.5	0.96

Sample identification df13 12-may-2006 11:51



DF13.HD DF13.D1

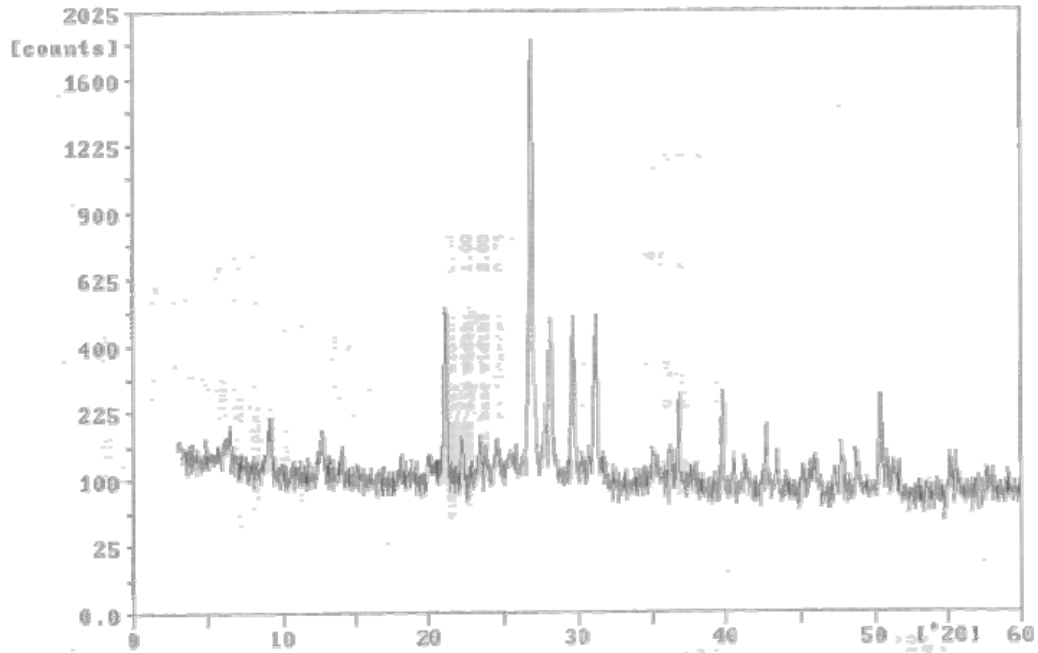
Sample identification: df11
 Data measured at: 8-oct-2007 10:00:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO
 Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1747.240
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 41

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.485	13.6187	13.6522	0.120	52	123	3.0	0.88
9.130	9.6784	9.7022	0.160	76	110	4.3	1.73
12.730	6.9483	6.9654	0.120	77	102	4.4	1.34
14.145	6.2562	6.2716	0.080	42	98	2.4	0.87
18.020	4.9187	4.9308	0.320	29	92	1.7	1.06
20.025	4.4305	4.4414	0.320	38	92	2.2	1.13
21.120	4.2032	4.2135	0.120	388	92	22.2	6.05
22.200	4.0011	4.0109	0.100	81	94	4.6	0.83
23.303	3.8138	3.8232	0.060	81	94	4.6	0.99
23.735	3.7457	3.7549	0.200	36	94	3.1	1.32
24.495	3.6312	3.6401	0.160	56	94	3.2	0.96
25.490	3.4916	3.5062	0.480	38	94	2.2	0.83
26.895	3.3123	3.3265	0.140	1747	95	100.0	20.16
27.730	3.2143	3.2224	0.080	132	96	7.6	0.90
28.170	3.1653	3.1730	0.060	328	96	18.8	2.93
28.255	3.1559	3.1637	0.060	320	96	18.3	2.47
29.680	3.0076	3.0150	0.140	392	96	22.4	6.65
30.710	2.9096	2.9162	0.120	40	96	2.3	1.15
31.245	2.8604	2.8674	0.160	396	98	22.7	8.17
35.040	2.5588	2.5651	0.080	50	85	3.9	1.45
36.280	2.4741	2.4802	0.120	71	89	4.0	1.33
36.835	2.4381	2.4441	0.140	185	85	10.6	3.52

Sample identification: df11 8-oct-2007 10:20



Sample identification: df8
Data measured at: 3-oct-2007 14:15:00

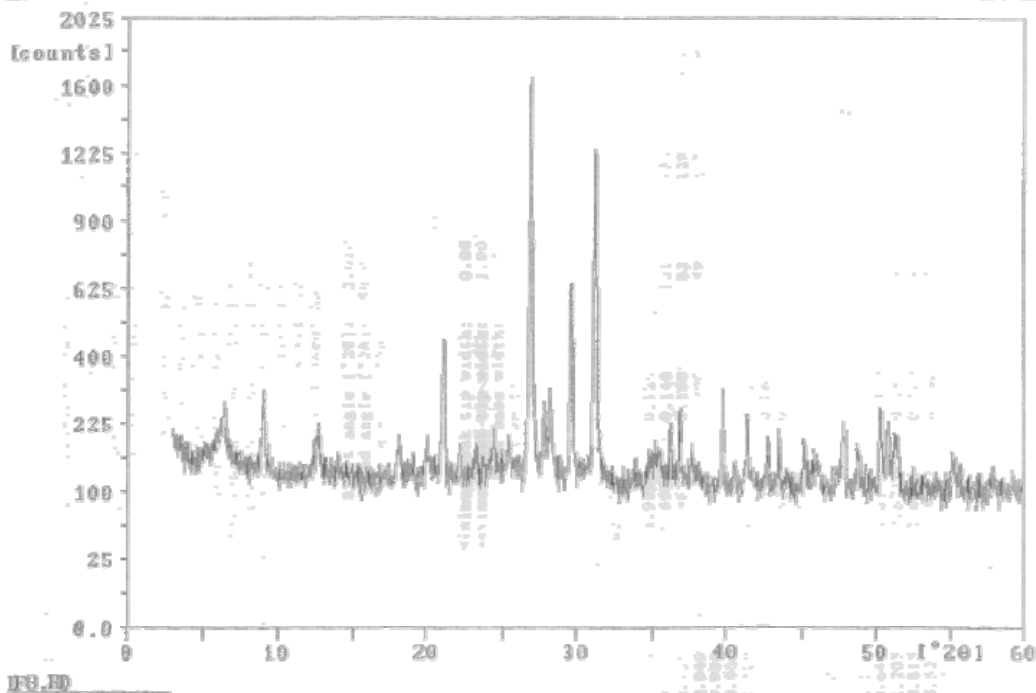
Diffractometer type: PW1110 BASED
Tube anode: Cu
Generator tension [kV]: 40
Generator current [mA]: 55
Wavelength Alpha1 [Å]: 1.54060
Wavelength Alpha2 [Å]: 1.54438
Intensity ratio (alpha2/alpha1): 0.500
Divergence slit: 1/12°
Receiving slit: 0.2
Monochromator used: NO
Start angle [°2θ]: 3.019
End angle [°2θ]: 59.999
Step size [°2θ]: 0.020
Maximum intensity: 1516.640
Time per step [s]: 0.400
Type of scan: CONTINUOUS

Minimum peak tip width: 0.09
Maximum peak tip width: 1.09
Peak base width: 2.09
Minimum significance: 0.75
Number of peaks: 36

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Reck. int [counts]	Rel. int [%]	Signif.
6.350	13.8840	13.9262	0.120	112	149	7.3	1.15
9.135	9.6731	9.6969	0.140	161	130	10.5	2.75
12.735	6.9456	6.9627	0.160	83	128	5.4	1.00
18.040	4.9133	4.9254	0.200	58	117	3.8	1.14
19.020	4.6623	4.6737	0.240	27	117	1.8	0.94
20.005	4.4349	4.4458	0.240	40	114	2.6	1.10
21.100	4.2071	4.2175	0.120	335	114	21.8	4.71
23.275	3.9878	3.9976	0.060	67	114	4.4	0.92
23.320	3.8114	3.8208	0.120	62	112	4.1	0.97
24.500	3.6394	3.6394	0.090	94	112	9.1	1.24
25.410	3.5025	3.5111	0.160	62	112	4.1	0.77
26.873	3.3148	3.3229	0.120	1527	110	100.0	12.65
27.715	3.2162	3.2241	0.060	166	110	10.8	1.72
28.190	3.1631	3.1708	0.100	190	110	12.4	1.02
29.645	3.0110	3.0184	0.160	506	110	32.9	11.82
31.205	2.8640	2.8710	0.180	1136	108	73.9	21.62
33.815	2.6486	2.6552	0.160	44	108	2.8	0.86
35.525	2.5250	2.5312	0.240	58	106	3.8	1.13
36.215	2.4794	2.4845	0.080	72	106	4.7	1.84
36.770	2.4423	2.4483	0.060	154	106	10.0	0.80
37.685	2.3990	2.3958	0.160	53	104	3.5	0.88
39.695	2.2688	2.2744	0.080	196	106	12.8	1.28

Sample identification: df8

3-oct-2007 14:47



Sample identification: DF3

Data measured at: 3-oct-2007 15:14:00

Diffraction type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.34060
 Wavelength Alpha2 [Å]: 1.34439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.2
 Monochromator used: NO

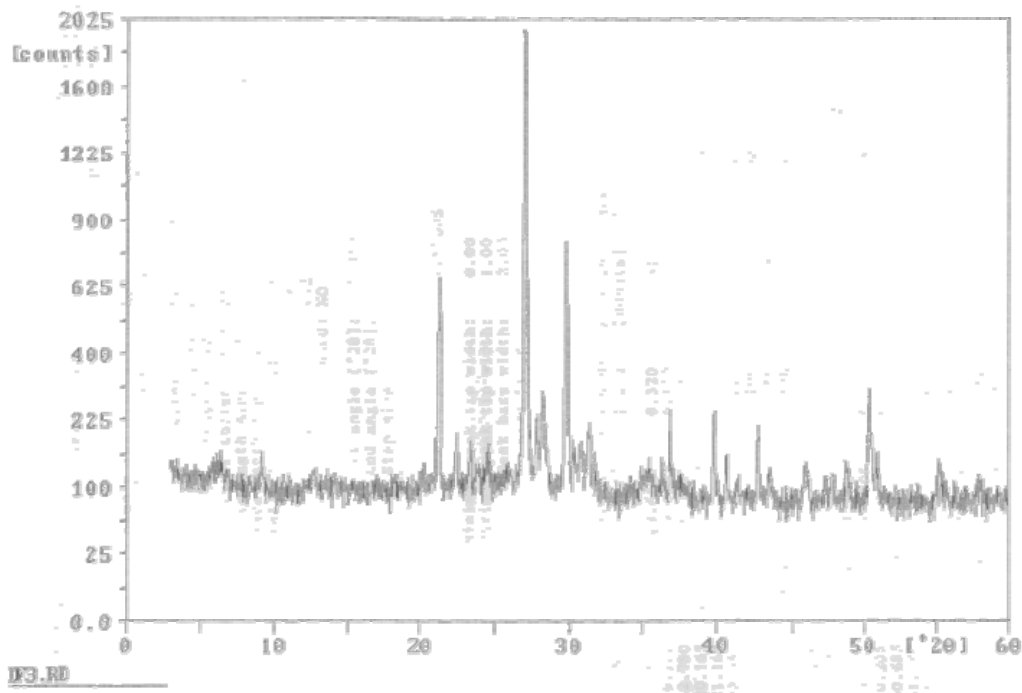
Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 0.020
 Maximum intensity: 1866.240
 Time per step [s]: 0.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 38

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
6.480	13.6292	13.6627	0.320	31	104	1.7	0.82
9.165	9.6415	9.6652	0.120	42	96	2.3	1.62
12.780	6.9312	6.9382	0.240	19	96	1.0	0.86
20.165	4.4001	4.4109	0.240	34	94	1.8	1.42
21.160	4.1953	4.2057	0.120	518	92	28.8	7.05
22.350	3.9746	3.9844	0.080	90	92	4.8	0.82
23.390	3.8002	3.8095	0.100	88	92	4.7	1.06
23.860	3.7264	3.7355	0.160	34	90	1.8	1.43
24.580	3.6188	3.6277	0.120	55	90	2.9	1.11
25.920	3.4340	3.4425	0.320	29	90	1.0	0.77
26.945	3.3063	3.3144	0.140	1866	88	100.0	20.79
27.808	3.2060	3.2139	0.060	142	88	7.6	0.93
28.265	3.1548	3.1626	0.100	195	88	9.9	1.11
29.735	3.0021	3.0095	0.080	718	88	38.5	2.66
30.205	2.9565	2.9637	0.160	72	86	3.9	0.88
30.685	2.9113	2.9185	0.160	76	86	4.1	0.94
31.280	2.8573	2.8643	0.120	119	86	6.4	0.91
31.565	2.8321	2.8391	0.080	61	86	3.3	1.49
35.370	2.5357	2.5419	0.240	42	86	2.3	1.39
36.320	2.4715	2.4776	0.120	50	85	2.7	2.14
36.835	2.4381	2.4441	0.060	144	85	7.7	2.92
39.750	2.2658	2.2714	0.080	144	81	7.7	0.99

Sample identification: DF3

3-oct-2007 15:36



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Philips Analytical

PC-APX, Diffraction software

Sample identification: DF2

Data measured at: 3-oct-2007 15:38:00

Diffractometer type: PW1710 BASED
 Tube anode: Cu
 Generator tension [kV]: 40
 Generator current [mA]: 55
 Wavelength Alpha1 [Å]: 1.54060
 Wavelength Alpha2 [Å]: 1.54439
 Intensity ratio (alpha2/alpha1): 0.500
 Divergence slit: 1/12°
 Receiving slit: 0.3
 Monochromator used: NO

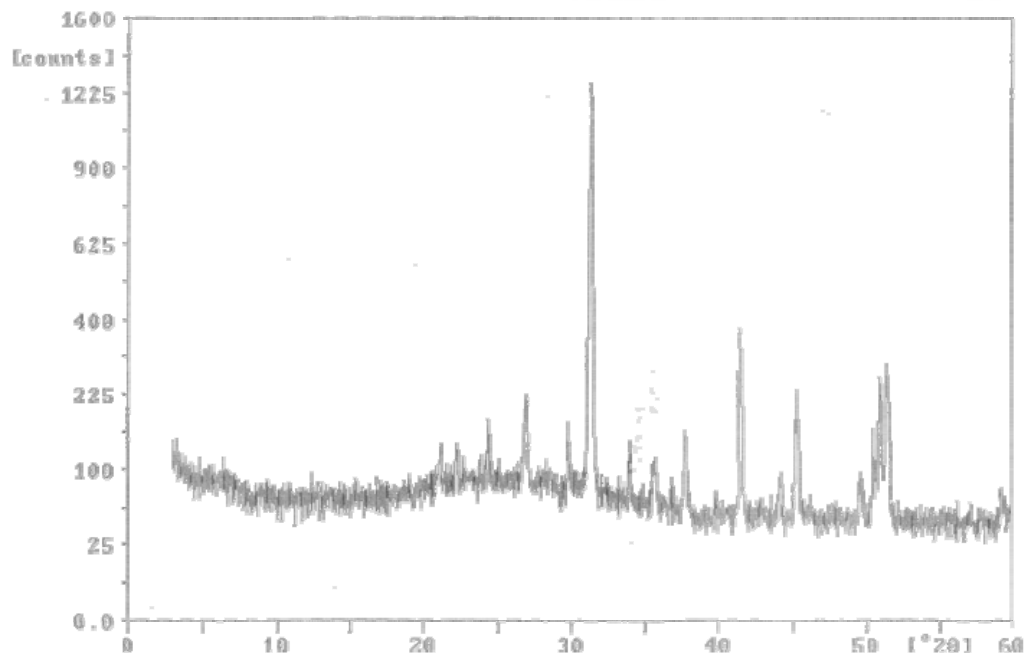
Start angle [°2θ]: 3.010
 End angle [°2θ]: 59.990
 Step size [°2θ]: 6.020
 Maximum intensity: 1204.090
 Time per step [s]: 6.400
 Type of scan: CONTINUOUS

Minimum peak tip width: 0.00
 Maximum peak tip width: 1.00
 Peak base width: 2.00
 Minimum significance: 0.75
 Number of peaks: 21

Angle [°2θ]	d-value e1 [Å]	d-value e2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
21.170	4.1934	4.2037	0.160	49	69	4.1	1.07
22.395	3.9667	3.9765	0.200	56	67	4.7	2.34
23.895	3.7210	3.7301	0.120	44	66	3.6	0.94
24.430	3.6407	3.6496	0.060	110	64	9.2	1.30
26.975	3.3627	3.3108	0.160	164	61	13.6	3.64
29.745	3.0611	3.0085	0.080	92	58	7.7	0.97
31.280	2.8573	2.8643	0.160	1204	55	100.0	15.41
33.885	2.6433	2.6498	0.200	85	52	7.0	2.54
35.685	2.5140	2.5202	0.240	56	50	4.7	2.31
36.855	2.4209	2.4428	0.120	23	48	2.1	0.96
37.660	2.3866	2.3925	0.140	96	48	8.0	2.97
39.725	2.2672	2.2727	0.200	17	45	1.4	1.12
41.455	2.1765	2.1818	0.100	299	45	24.9	2.14
44.120	2.0210	2.0260	0.160	41	43	3.4	1.16
45.280	2.0611	2.0060	0.080	190	44	15.8	0.96
49.570	1.8275	1.8420	0.280	29	44	2.4	3.16
50.450	1.8075	1.8119	0.060	117	44	9.7	1.05
50.840	1.7948	1.7989	0.060	189	44	16.3	1.02
51.365	1.7774	1.7818	0.100	190	44	15.8	1.48
56.850	1.6183	1.6222	0.480	7	38	0.6	1.05
59.115	1.5615	1.5654	0.240	36	38	3.0	1.50

Sample identification: DF2

3-oct-2007 15:58



DF2.D1

Sample identification: BF6

Data measured at: 3-oct-2007 14:48:00

Biffractometer type: PW1710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 55

Wavelength Alpha1 [Å]: 1.54060

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1/12°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 3.010

End angle [°2θ]: 59.990

Step size [°2θ]: 0.020

Maximum intensity: 3271.840

Time per step [s]: 0.400

Type of scan: CONTINUOUS

Minimum peak tip width: 0.60

Maximum peak tip width: 1.00

Peak base width: 2.60

Minimum significance: 0.75

Number of peaks: 28

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
3.980	22.1828	22.2374	0.260	22	130	0.7	0.78
6.370	13.8643	13.8984	0.280	72	130	2.2	1.50
9.015	9.8016	9.8257	0.240	23	130	0.7	1.13
12.645	6.9948	7.0120	0.640	16	130	0.5	0.77
13.965	6.3365	6.3521	0.480	17	132	0.5	1.08
18.010	4.9214	4.9335	0.240	23	128	0.7	0.78
20.095	4.4152	4.4261	0.460	35	128	1.1	1.33
21.095	4.2081	4.2185	0.150	484	128	14.8	6.87
22.300	3.9834	3.9932	0.050	204	130	6.2	1.83
23.170	3.8357	3.8452	0.240	24	130	0.7	1.09
23.800	3.7356	3.7448	0.160	74	130	2.3	1.55
24.320	3.6275	3.6368	0.160	102	130	3.1	1.68
25.575	3.4802	3.4888	0.560	23	130	0.7	1.10
26.880	3.3142	3.3223	0.130	3272	132	100.0	20.72
27.700	3.2179	3.2258	0.150	159	132	4.9	2.11
28.200	3.1620	3.1697	0.120	272	132	8.3	3.12
29.685	3.0071	3.0145	0.160	38	138	0.8	0.76
35.070	2.5567	2.5630	0.160	64	138	2.0	0.81
36.765	2.4426	2.4486	0.160	213	125	6.5	2.10
39.700	2.2685	2.2741	0.080	228	121	7.0	1.67
40.540	2.2234	2.2289	0.150	61	121	1.9	1.46
42.675	2.1170	2.1222	0.080	259	119	7.9	2.02

Sample identification: BF6

3-oct-2007 15:10

