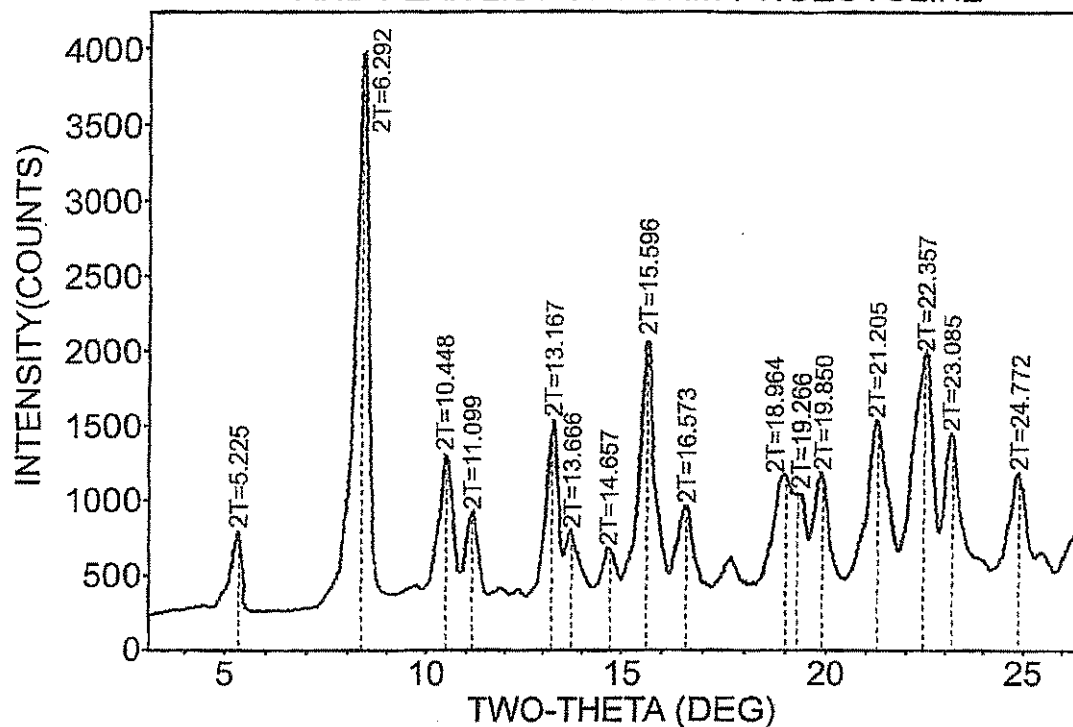


X-RAY POWDER DIFFRACTION PATTERN
AND PEAK LIST OF FORM I TIGECYCLINE



PEAK SEARCH REPORT (17 PEAKS, MAX P/N = 29.0)
 [1634-026.RAW] PACKED@ 0.25
 PEAK: 27-PTS/PARABOLIC FILTER, THRESHOLD=8.0,
 CUTOFF=0.1%, BG=3/1.1, PEAK-TOP=CENTROID FIT

2-THETA	d(A)	BG	HEIGHT	I%	AREA	I%	FWHM
5.225	16.8996	282	528	14.3	8103	11	0.261
8.292	10.6539	359	3681	100	73630	100	0.34
10.448	8.4599	385	944	25.6	20523	27.9	0.37
11.099	7.9652	398	565	15.3	10111	13.7	0.304
13.167	6.7185	385	1180	32.1	22730	30.9	0.327
13.666	6.4742	402	423	11.5	12999	17.7	0.522
14.657	6.0386	454	256	7	3889	5.3	0.258
15.596	5.6772	504	1588	43.1	30470	41.4	0.326
16.573	5.3445	487	491	13.3	9314	12.6	0.322

FIG. 1

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18.964	4.6757	567	612	16.6	19453	26.4	0.54
19.266	4.6032	460	595	16.2	37928	51.5	1.084
19.85	4.4691	664	531	14.4	7849	10.7	0.251
21.205	4.1864	590	964	26.2	24535	33.3	0.433
22.357	3.9732	678	1332	36.2	33274	45.2	0.425
23.085	3.8497	742	728	19.8	12485	17	0.292
24.772	3.5911	526	681	18.5	16499	22.4	0.412

FIG. 1 (cont)

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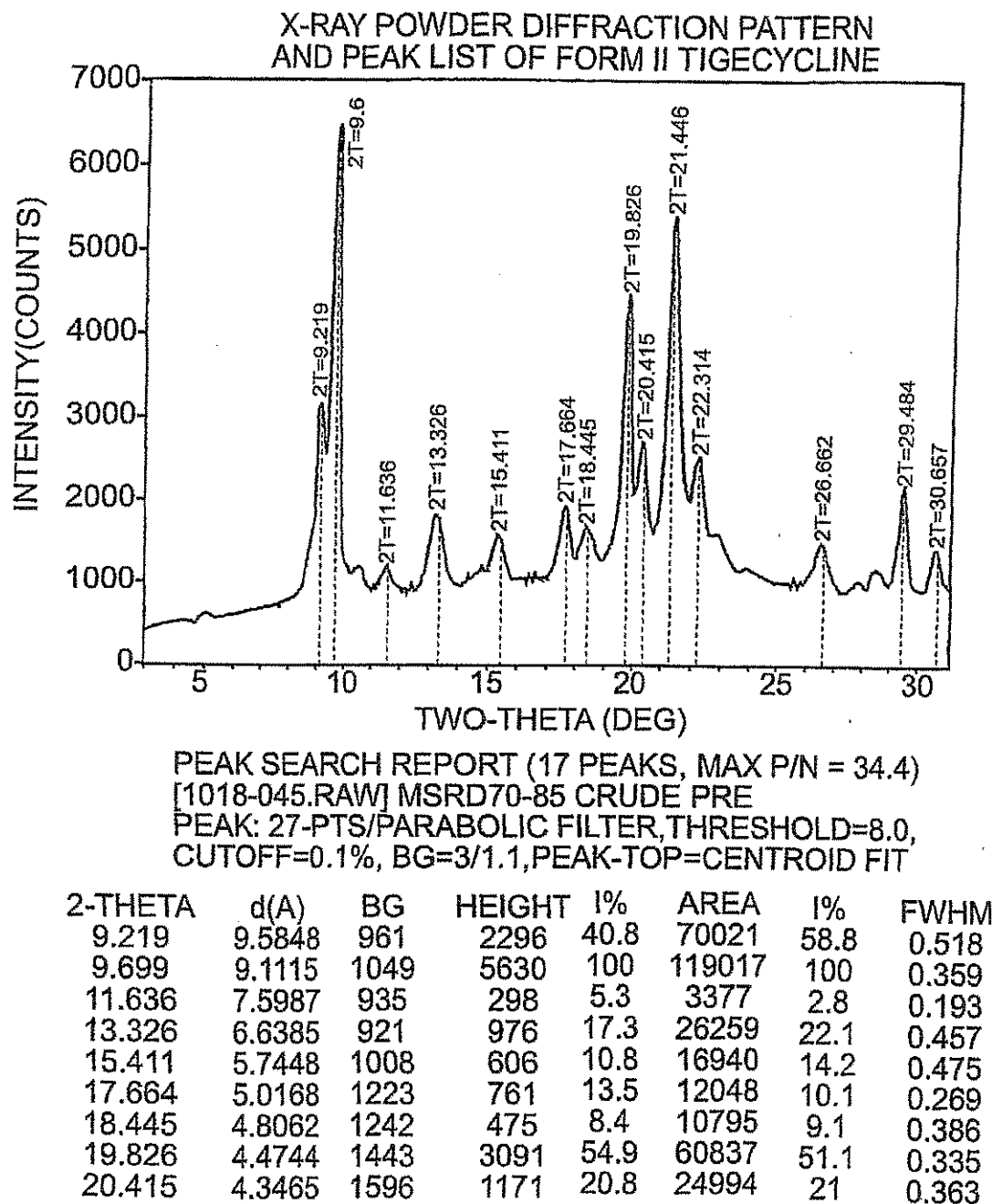


FIG. 2

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21.446	4.1399	1688	3803	67.5	85696	72	0.383
22.314	3.9808	1832	733	13	12280	10.3	0.285
26.662	3.3407	894	622	11	15635	13.1	0.427
29.484	3.0271	919	1342	23.8	23203	19.5	0.294
30.657	2.9138	853	533	9.8	11720	9.8	0.36

FIG. 2(cont)

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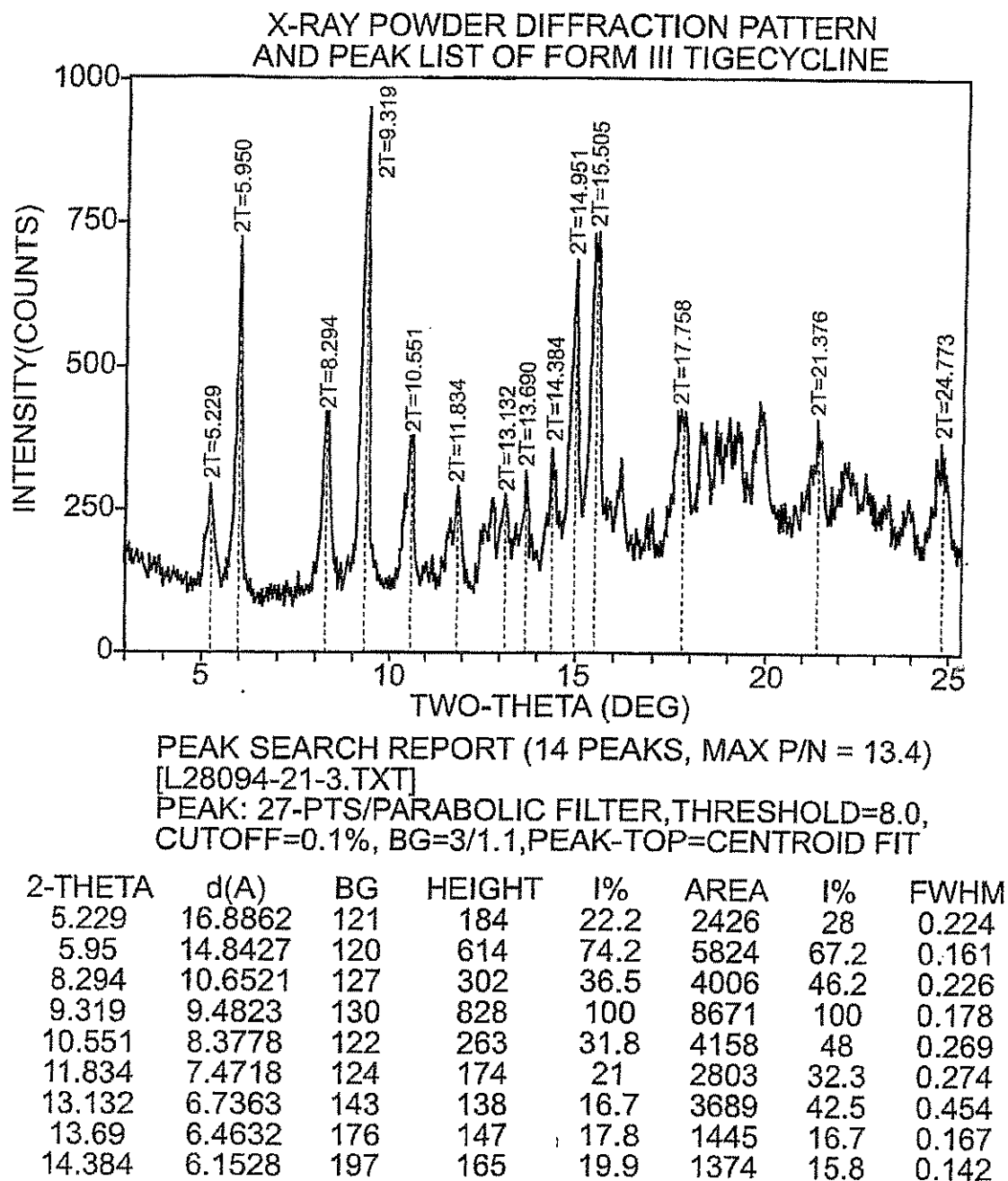


FIG. 3

14.951	5.9206	198	495	59.8	6991	80.6	0.24
15.505	5.7104	210	527	63.6	8664	99.9	0.279
17.758	4.9906	249	190	22.9	2374	27.4	0.212
21.376	4.1533	235	177	21.4	2884	33.3	0.277
24.773	3.591	177	188	22.7	3380	39	0.306

FIG. 3(cont)

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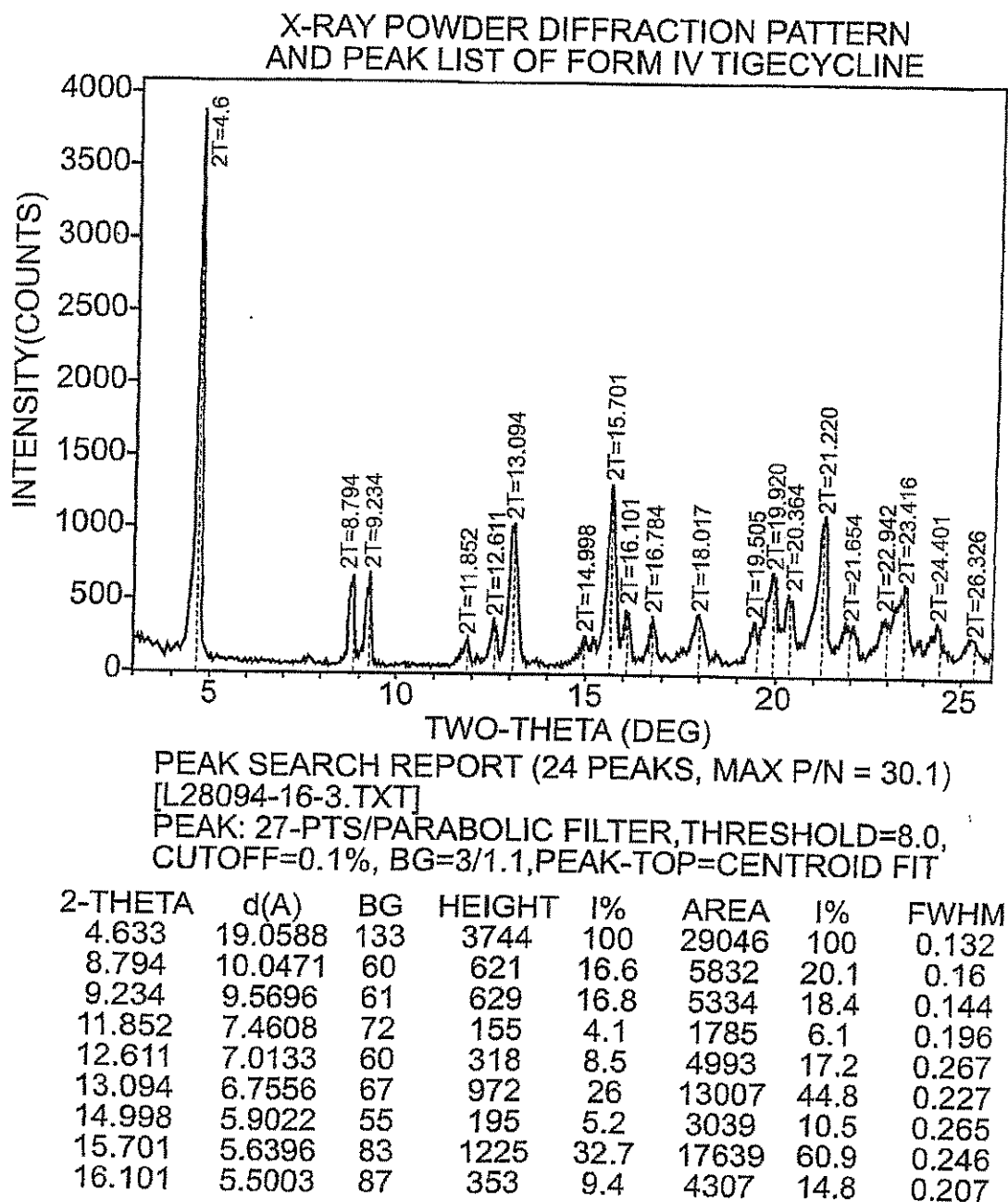


FIG. 4

16.784	5.2777	90	308	8.2	3179	10.9	0.175
18.017	4.9194	84	332	8.9	7203	24.8	0.369
19.505	4.5473	86	271	7.2	5530	19	0.347
19.92	4.4535	71	638	17	14798	50.9	0.394
20.364	4.3575	163	389	10.4	7685	26.5	0.336
21.22	4.1834	172	921	24.6	13867	47.7	0.256
21.954	4.0452	152	194	5.2	3989	13.7	0.35
22.942	3.8733	135	257	6.9	8656	29.8	0.573
23.416	3.7959	154	475	12.7	13374	46	0.479
24.401	3.6449	141	218	5.8	3117	10.7	0.243
25.325	3.514	114	146	3.9	2548	8.8	0.297
26.185	3.4005	133	151	4	3882	13.4	0.437

FIG. 4(cont)

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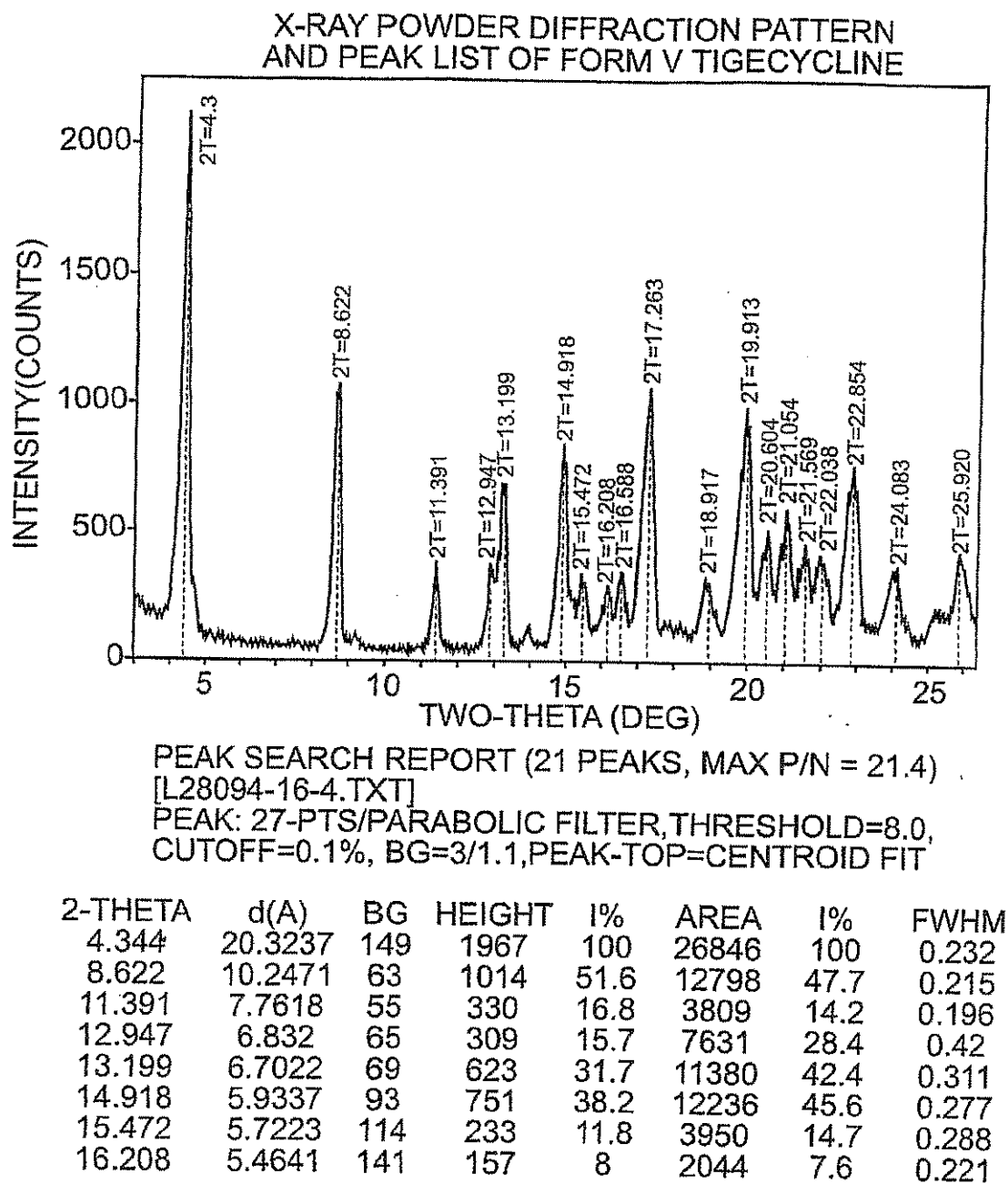


FIG. 5

16.588	5.3397	129	222	11.3	3274	12.2	0.251
17.263	5.1326	151	918	46.7	14272	53.2	0.264
18.917	4.6872	124	203	10.3	3203	11.9	0.268
19.913	4.4551	196	788	40.1	14316	53.3	0.309
20.504	4.3279	254	264	13.4	3221	12	0.207
21.054	4.2161	279	312	15.9	3668	13.7	0.2
21.569	4.1166	229	230	11.7	3268	12.2	0.242
22.038	4.03	241	180	9.2	2317	8.6	0.219
22.854	3.8879	159	602	30.6	11246	41.9	0.318
24.083	3.6923	117	261	13.3	4829	18	0.315
25.92	3.4345	168	263	13.4	5788	21.6	0.374

FIG. 5(cont)

OVERLAY OF X-RAY POWDER DIFFRACTION
PATTERNS OF FORMS 1-V OF TIGECYCLINE

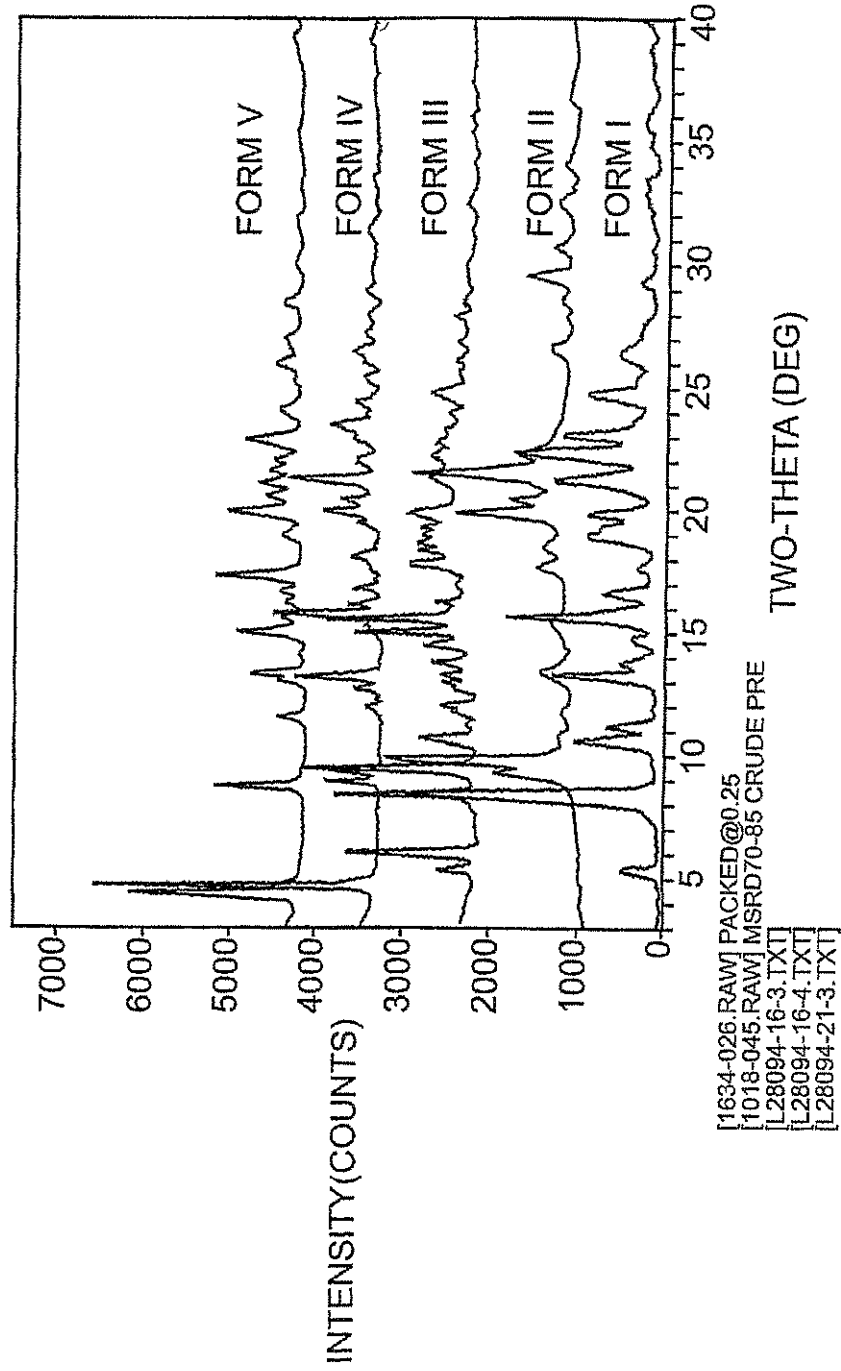


FIG. 6

EXPANDED OVERLAY OF X-RAY POWDER DIFFRACTION
PATTERNS OF FORMS 1-V OF TIGECYCLINE

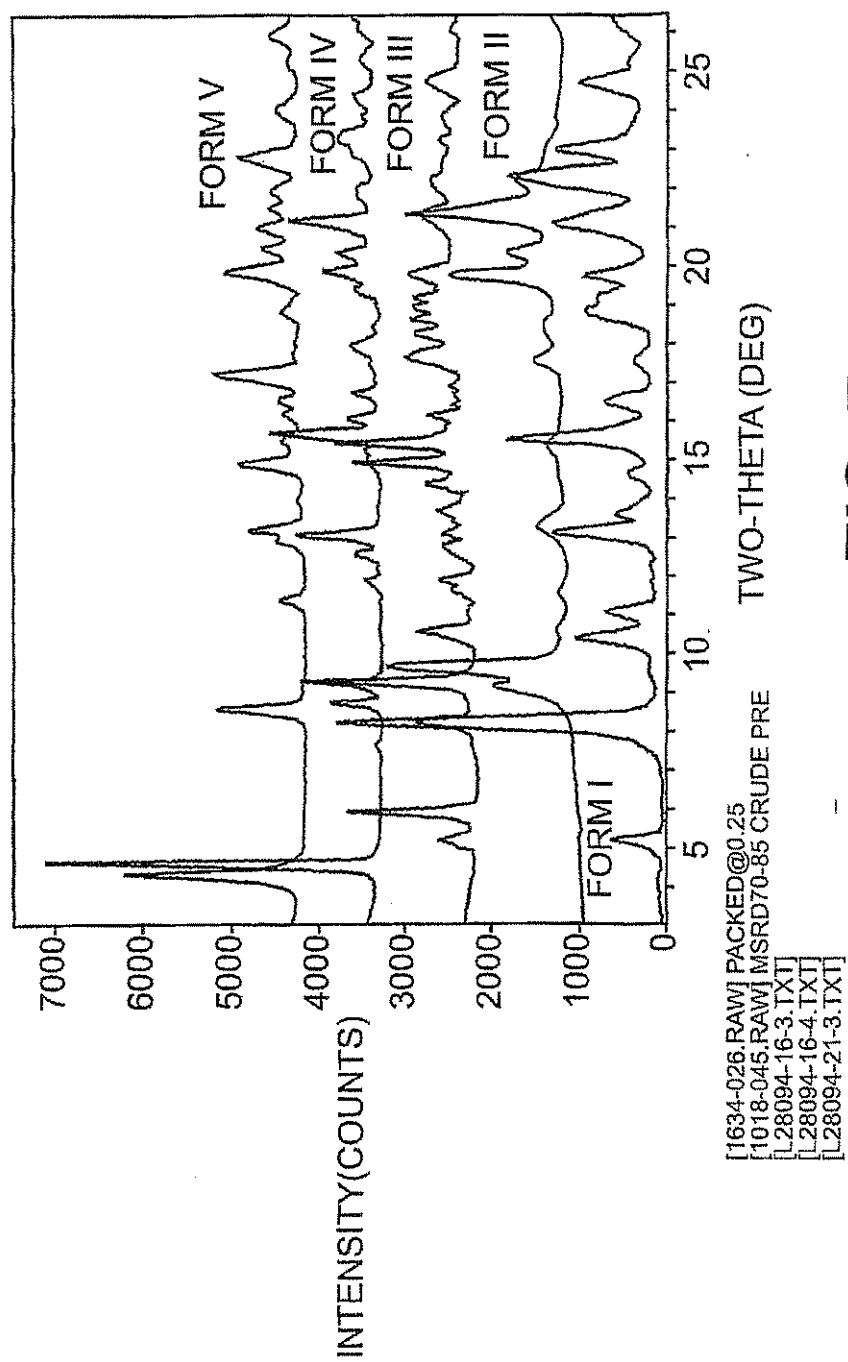
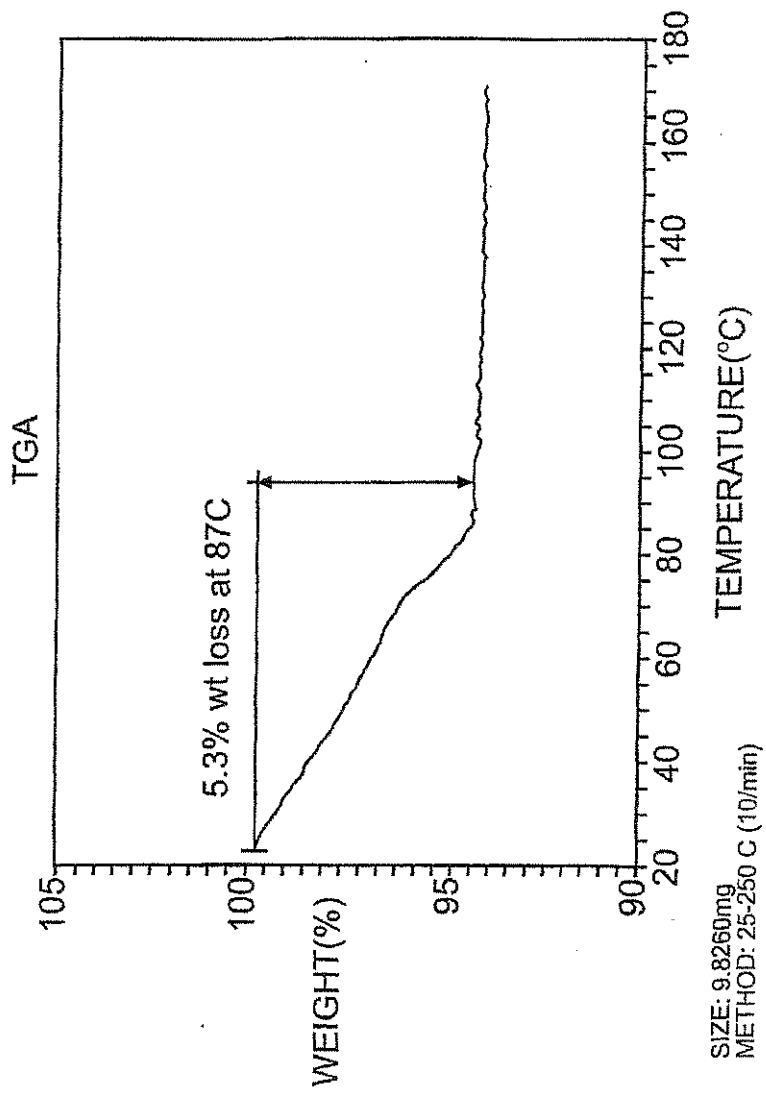
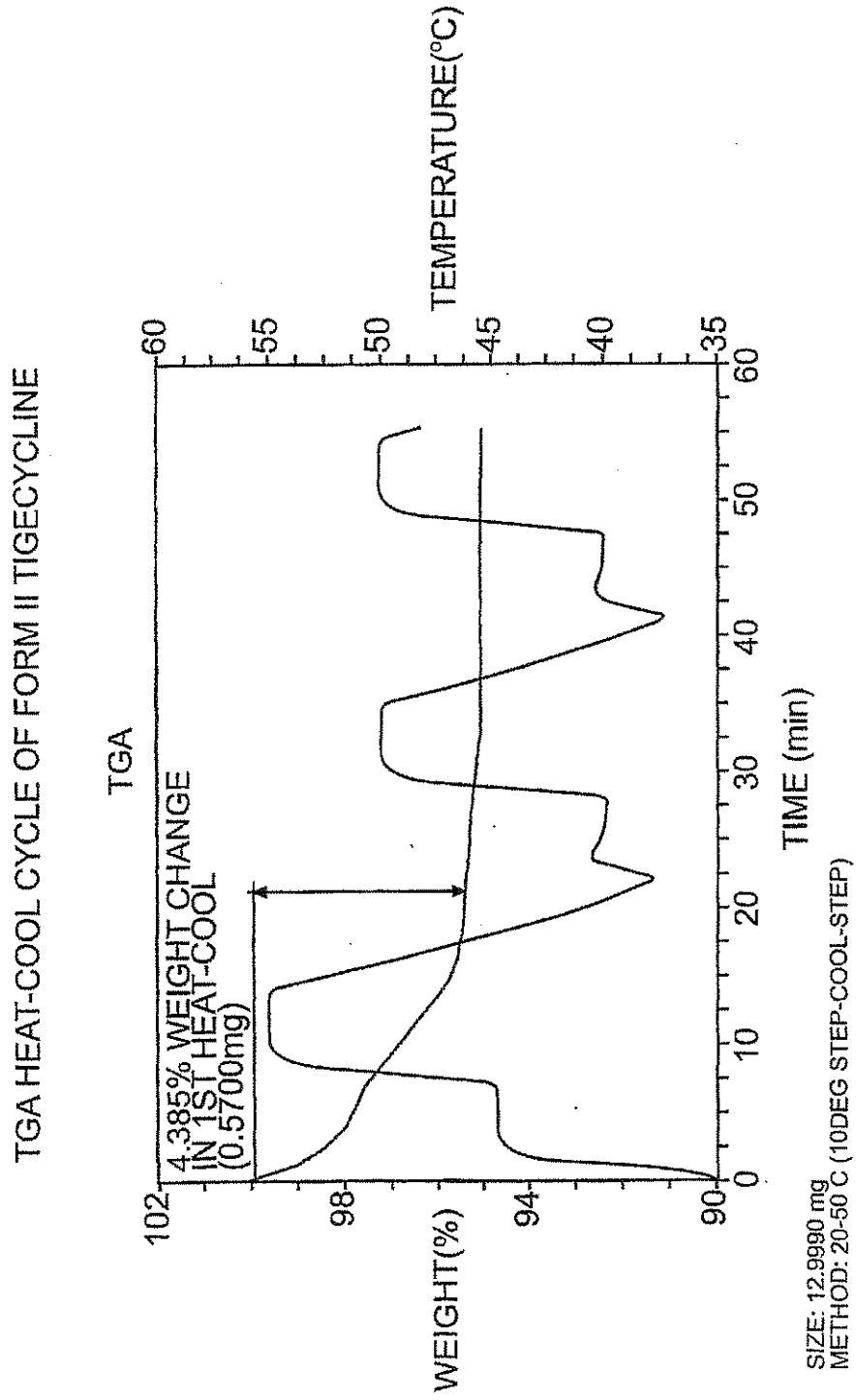


FIG. 7

TGA OF FORM II TIGECYCLINE

**FIG. 8**

**FIG. 9**