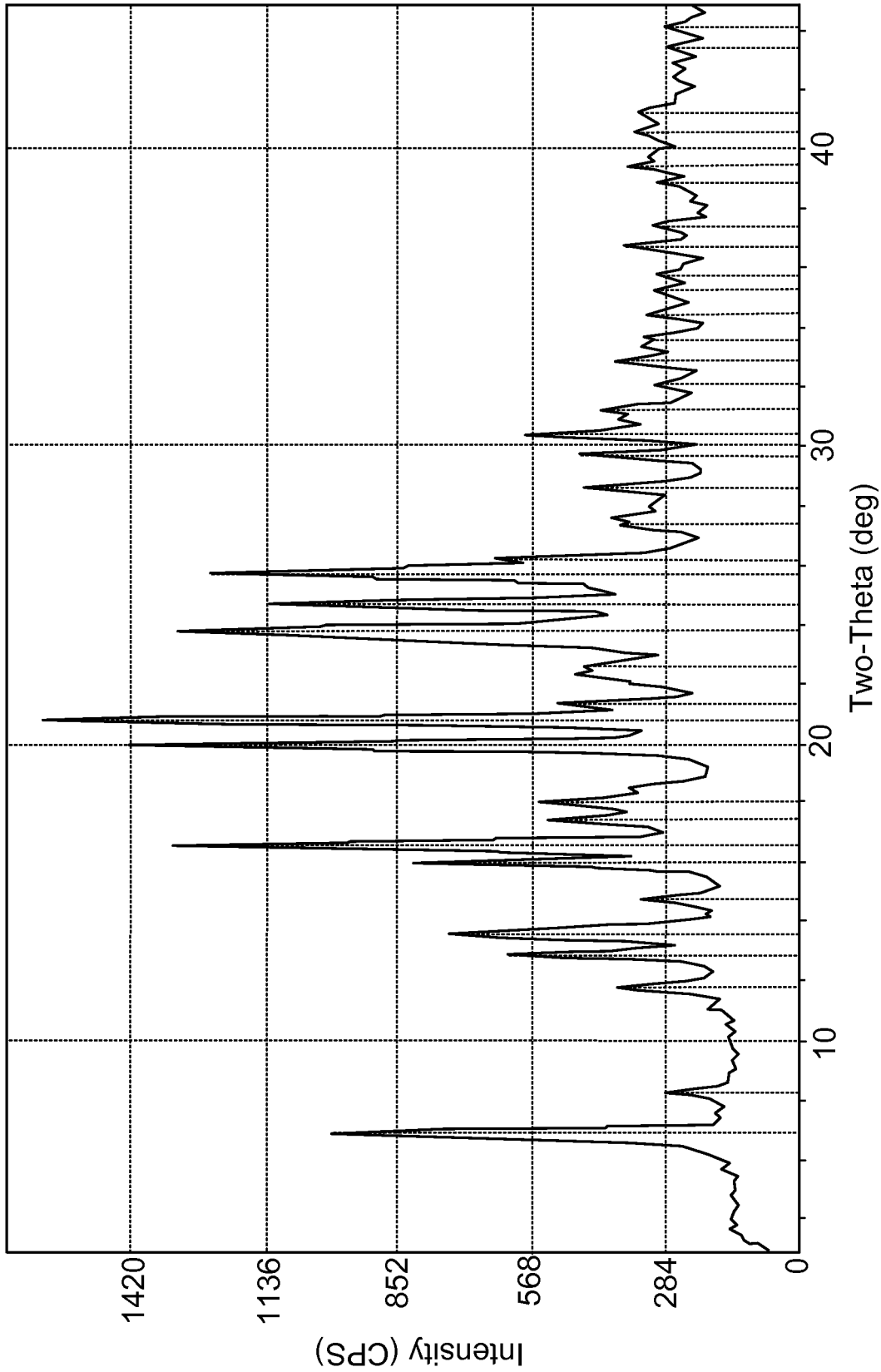


FIG. 1

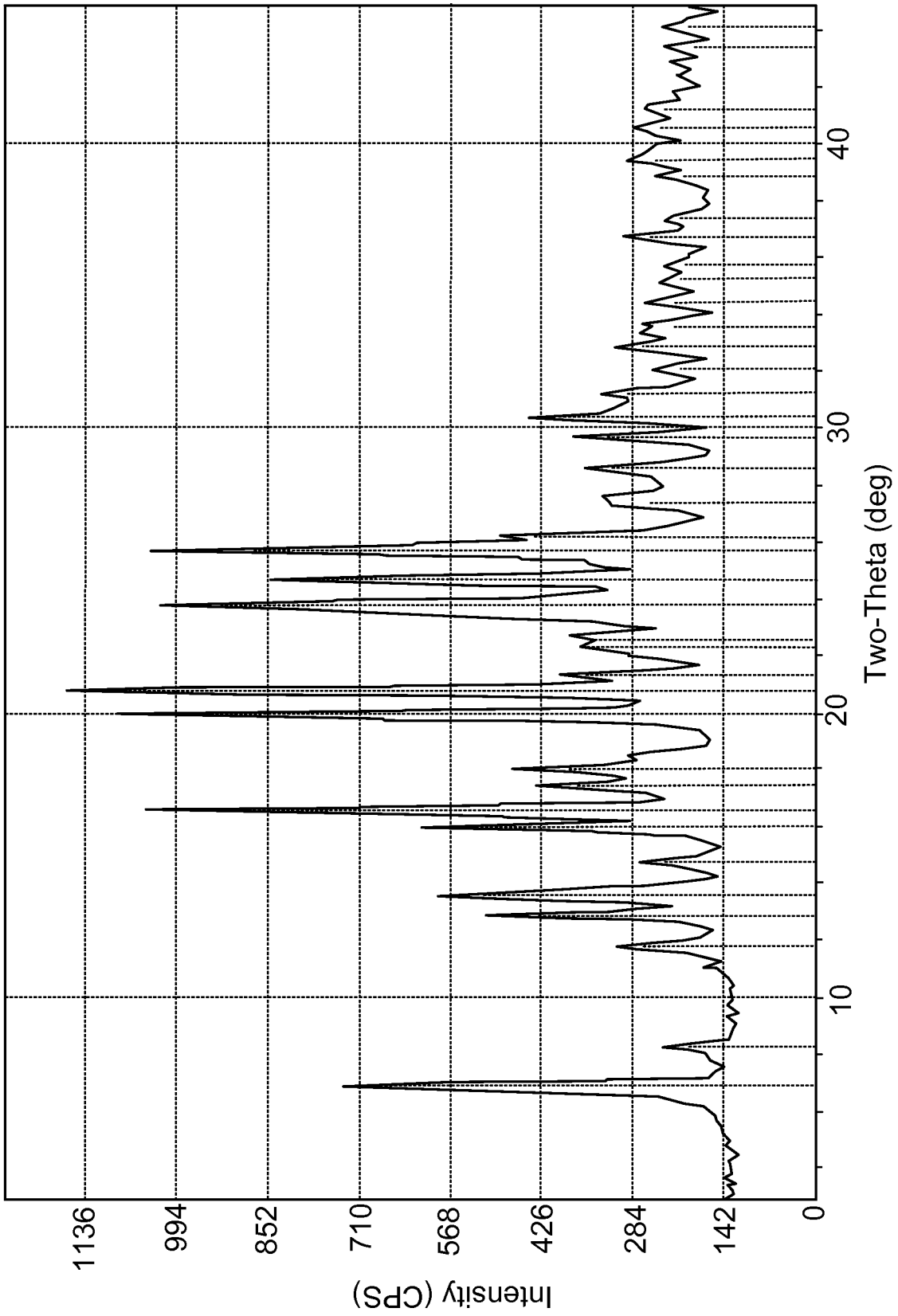
Intensity (CPS)
1136
994
852
710
568
426
284
142
0
10
20
30
40
Two-Theta (deg)

FIG. 2

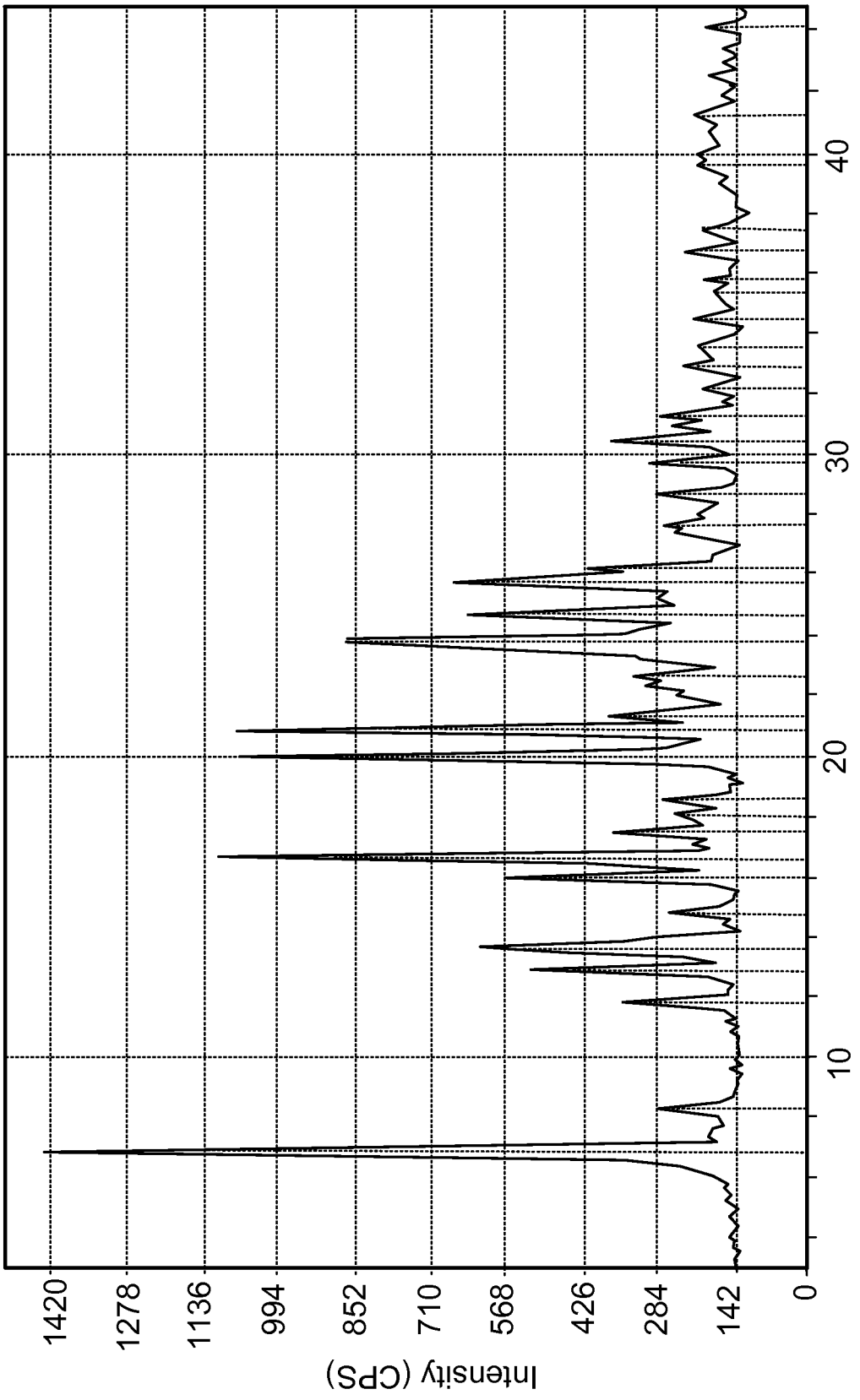
Intensity (CPS)
1420
1278
1136
994
852
710
568
426
284
142
0
10
20
30
40
Two-Theta (deg)

FIG. 3

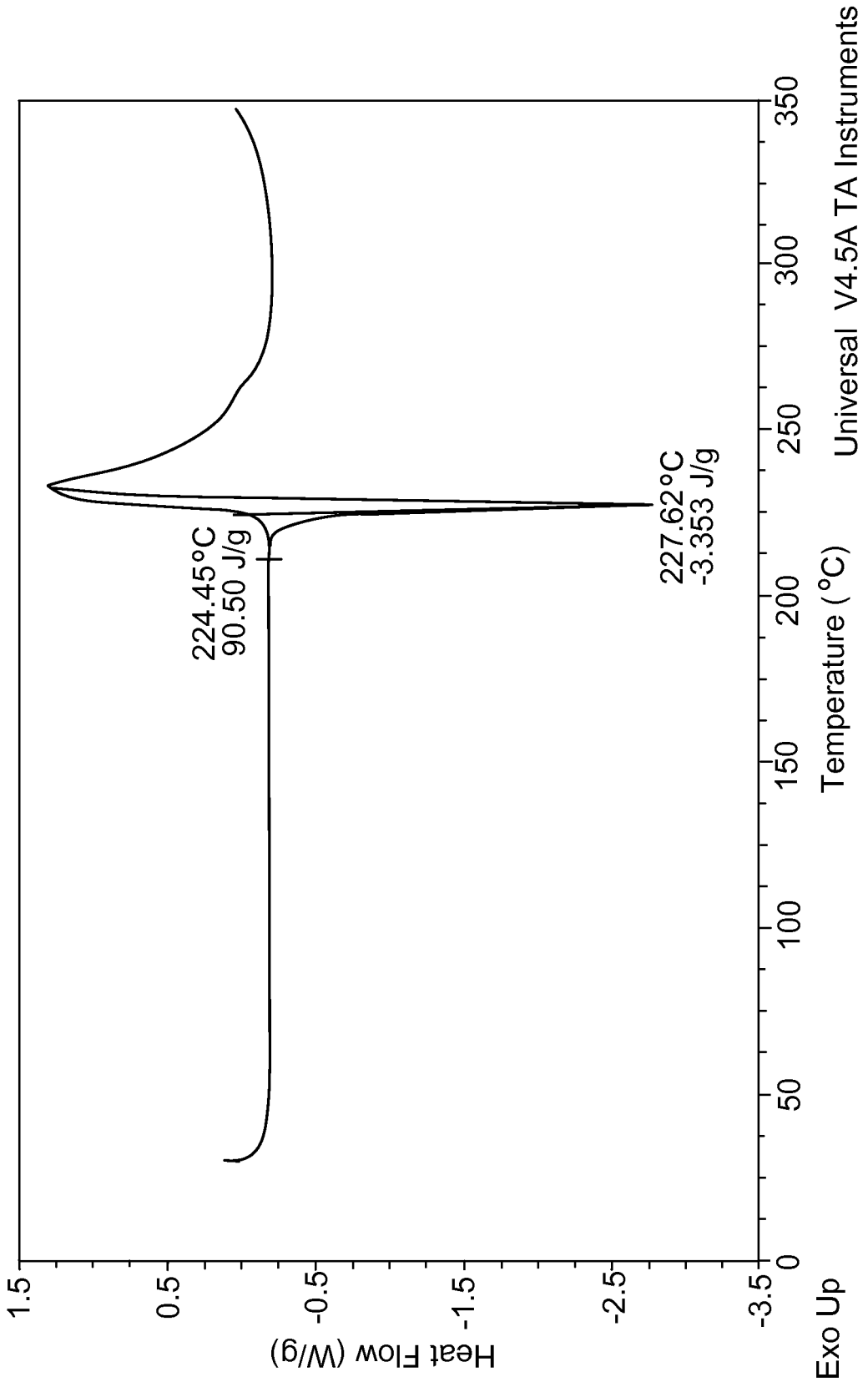
224.45°C
90.50 J/g
227.62°C
-3.353 J/g
Universal V4.5A TA Instruments
Temperature (°C)
Heat Flow (W/g)
Exo Up
1.5
0.5
-0.5
-1.5
-2.5
-3.5
0
50
100
150
200
250
300
350

FIG. 4A

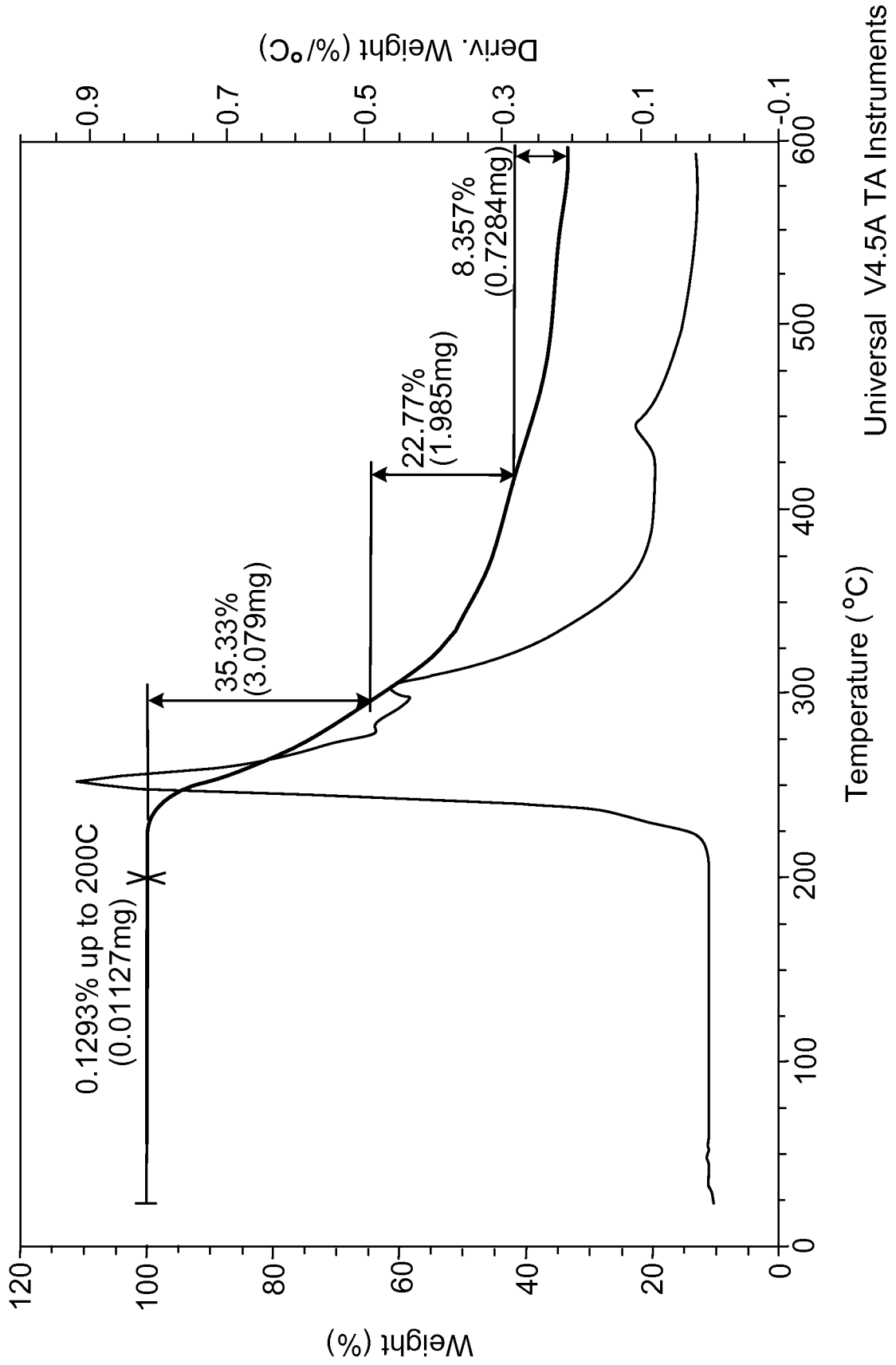
Weight (%)
Deriv. Weight (%/°C)
Temperature (°C)
Universal V4.5A TA Instruments
0.1293% up to 200C
(0.01127mg)
35.33%
(3.079mg)
22.77%
(1.985mg)
8.357%
(0.7284mg)

FIG. 4B

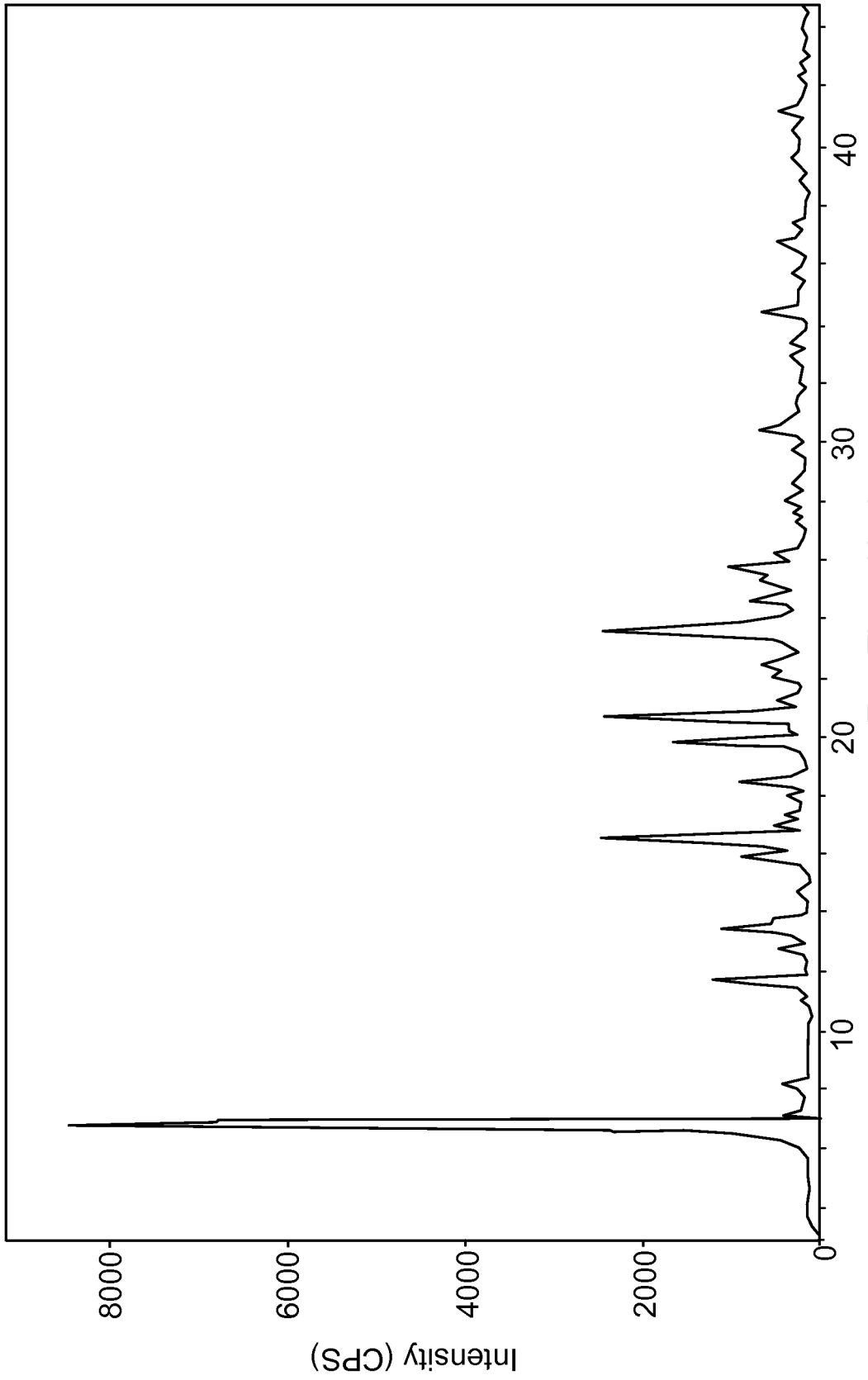


FIG. 4C

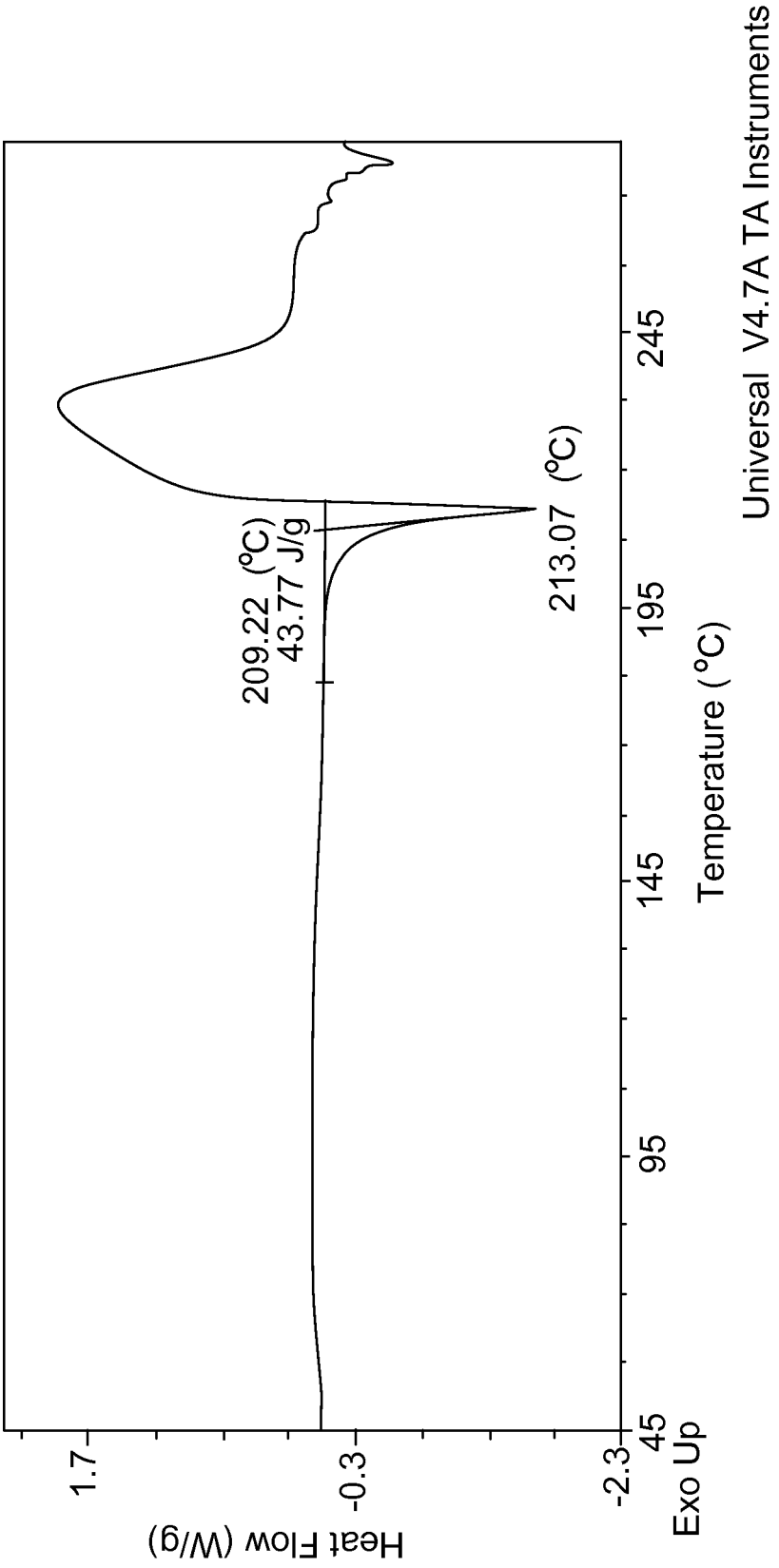
Universal V4.7A TA Instruments
209.22 (°C)
43.77 J/g
213.07 (°C)
Heat Flow (W/g)
1.7
-0.3
-2.3
Exo Up
45
95
145
195
245
Temperature (°C)

FIG. 5A

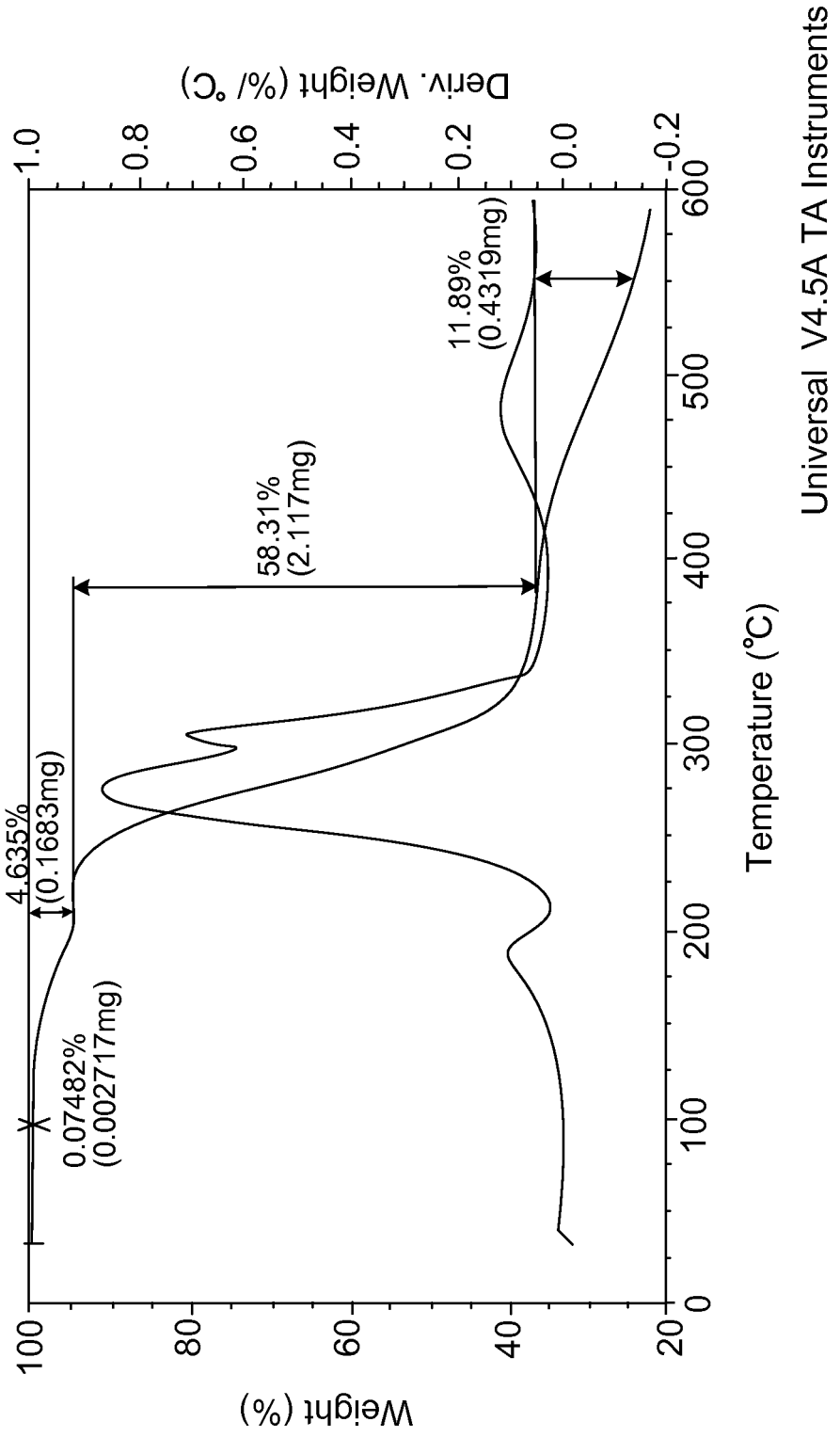
Universal V4.5A TA Instruments
Temperature (°C)
Weight (%)
Deriv. Weight (%/ °C)
4.635%
(0.1683mg)
0.07482%
(0.002717mg)
58.31%
(2.117mg)
11.89%
(0.4319mg)

FIG. 5B

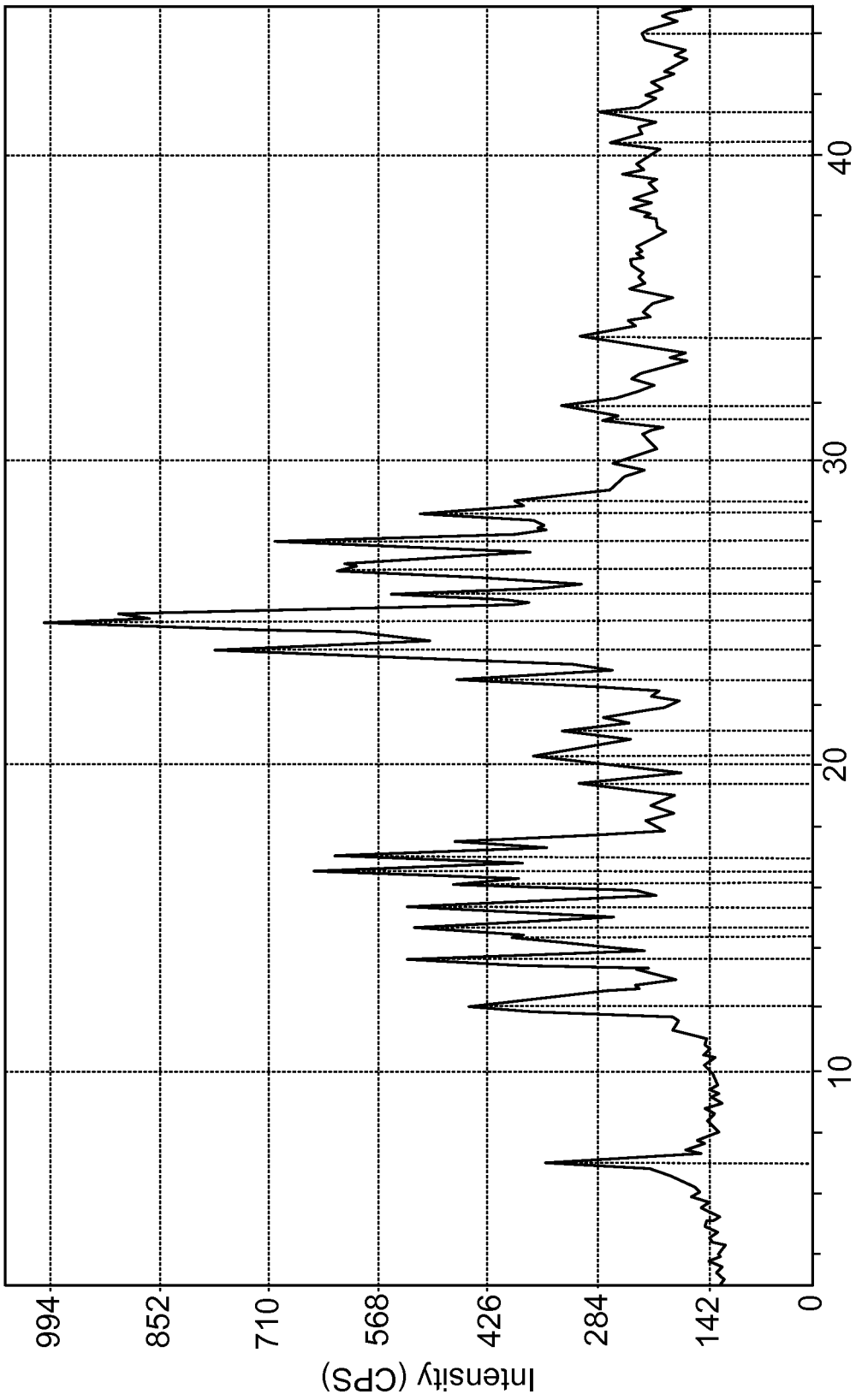
Intensity (CPS)
994
852
710
568
426
284
142
0
10
20
30
40
Two-Theta (deg)

FIG. 5C

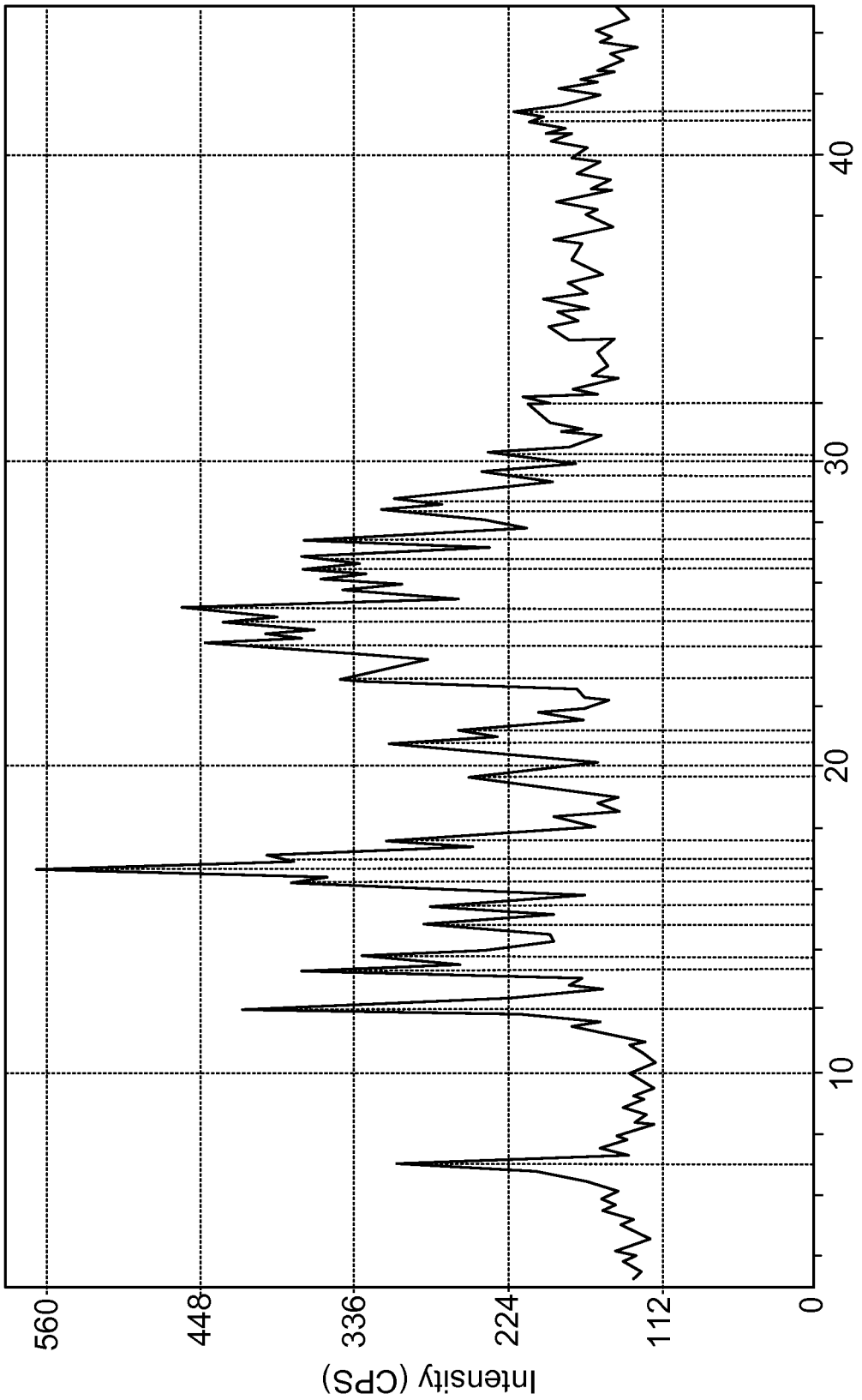


FIG. 6

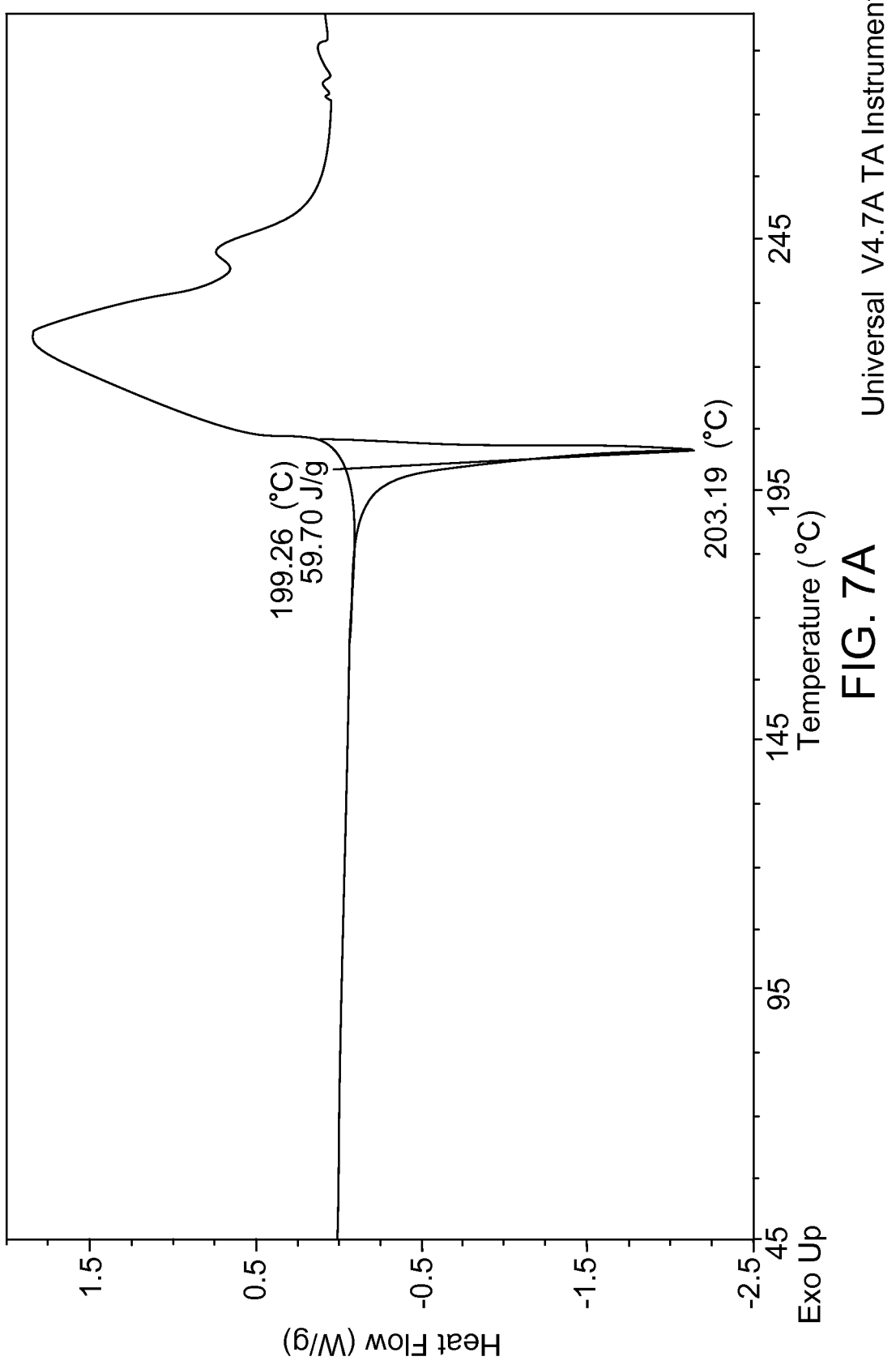
Universal V4.7A TA Instruments
Heat Flow (W/g)
Exo Up
Temperature (°C)
199.26 (°C)
59.70 J/g
203.19 (°C)
1.5
0.5
-0.5
-1.5
-2.5
45
95
145
195
245

FIG. 7A

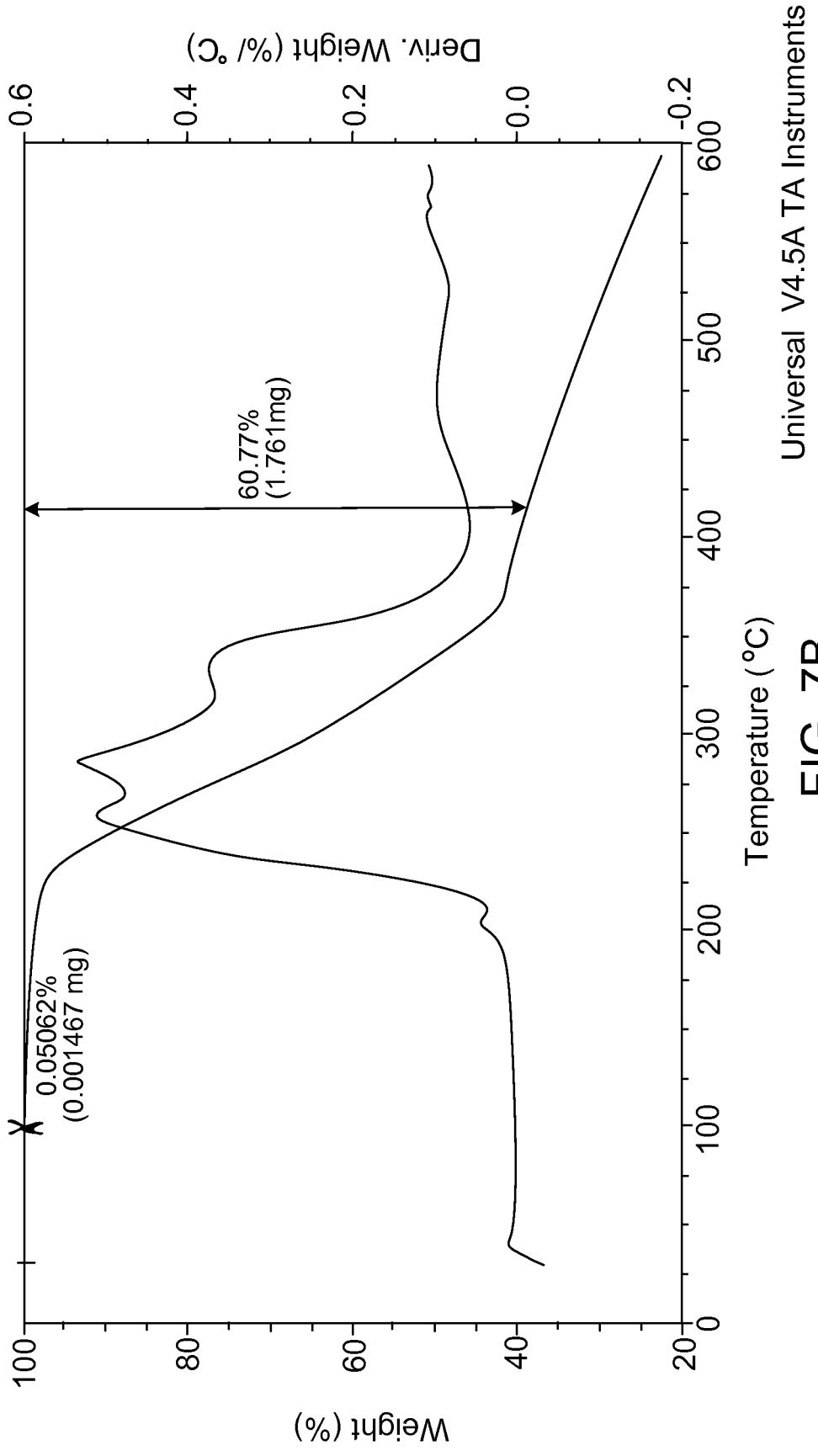
Weight (%)
Deriv. Weight (%/ °C)
Temperature (°C)
Universal V4.5A TA Instruments
60.77%
(1.761mg)
0.05062%
(0.001467 mg)

FIG. 7B

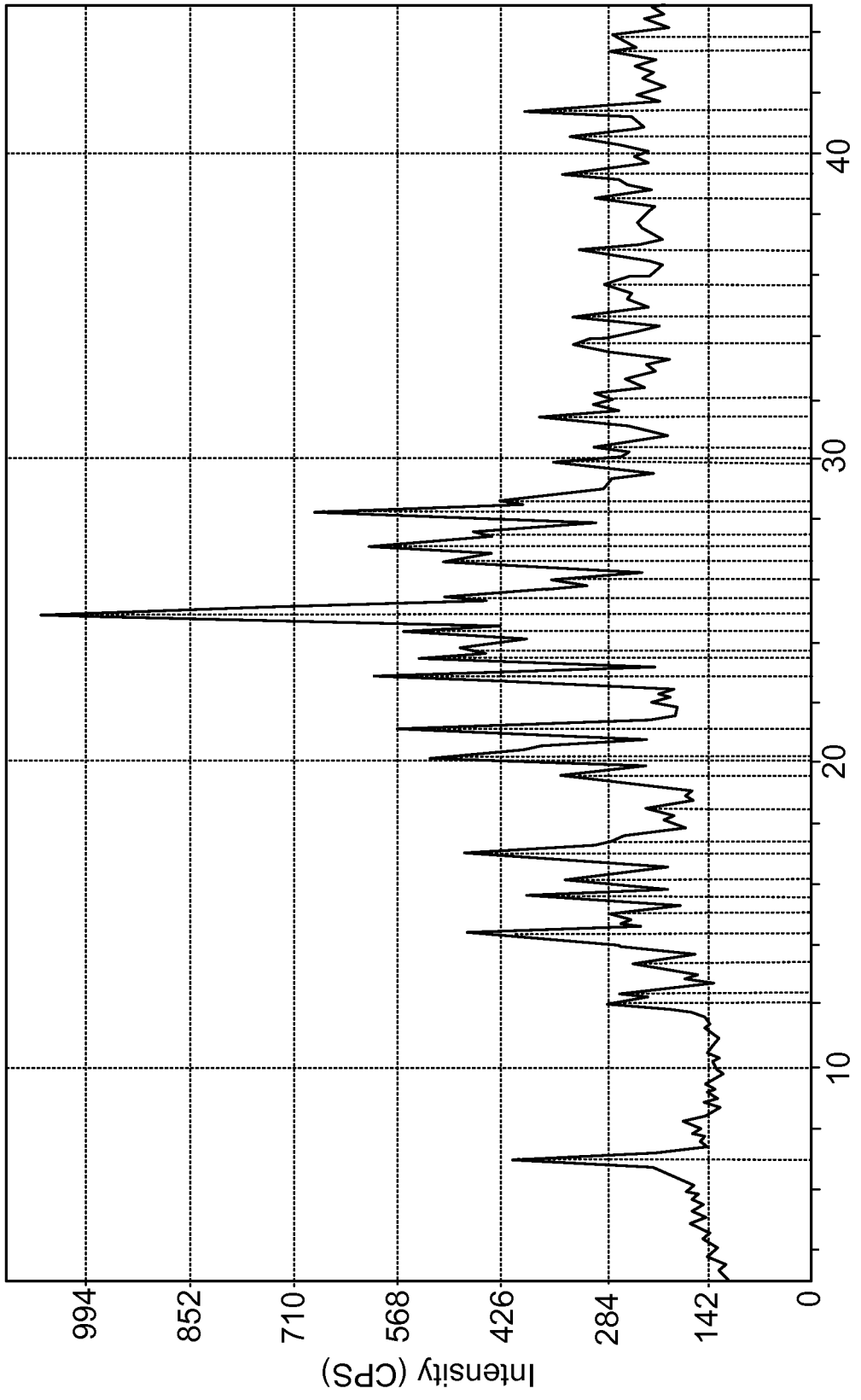
Intensity (CPS)
994
852
710
568
426
284
142
0
10
20
30
40
Two-Theta (deg)

FIG. 7C

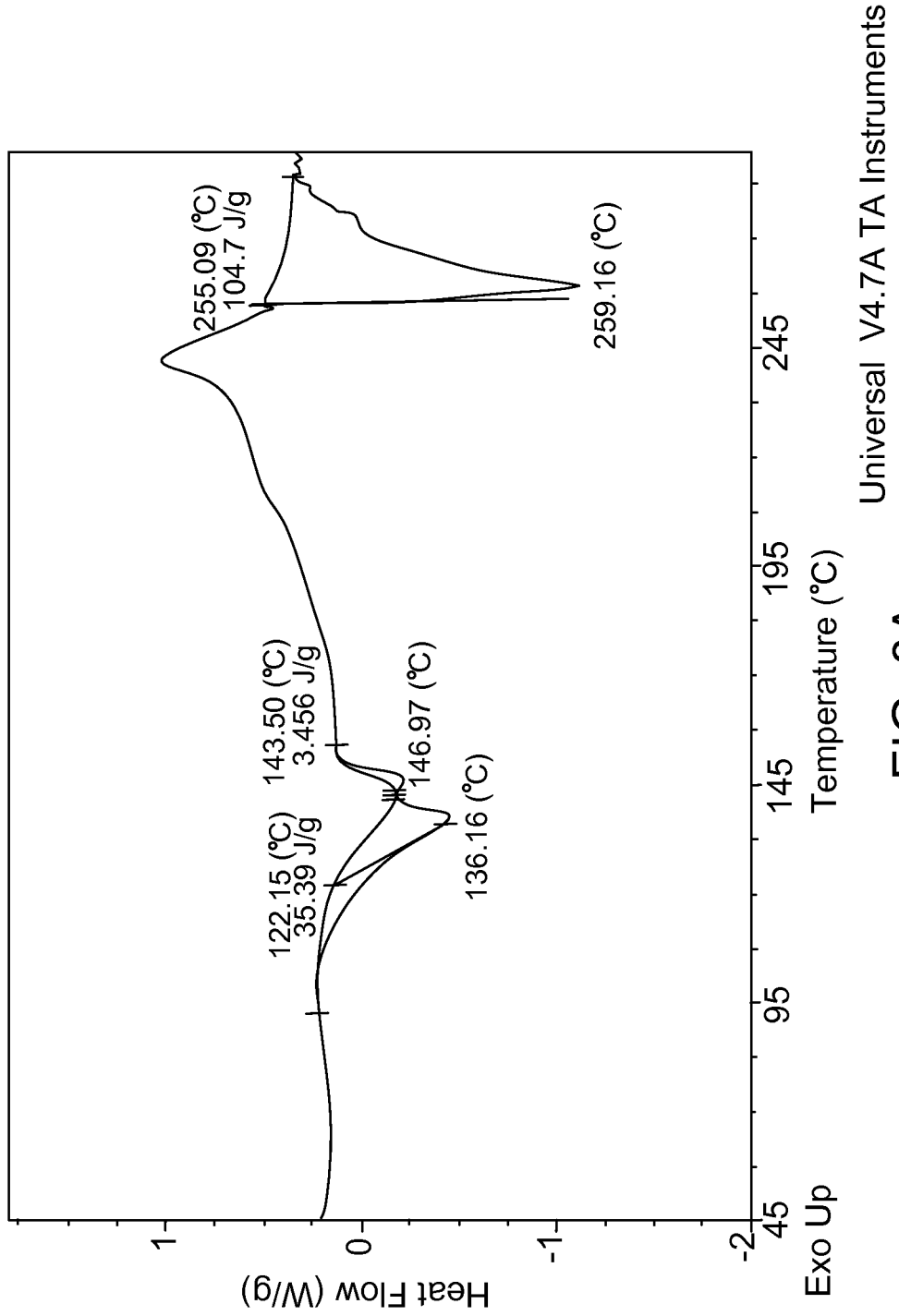
255.09 (°C)
104.7 J/g
259.16 (°C)
143.50 (°C)
3.456 J/g
146.97 (°C)
136.16 (°C)
122.15 (°C)
35.39 J/g
Heat Flow (W/g)
1
0
-1
-2
45
95
145
195
245
Temperature (°C)
Exo Up
Universal V4.7A TA Instruments

FIG. 8A

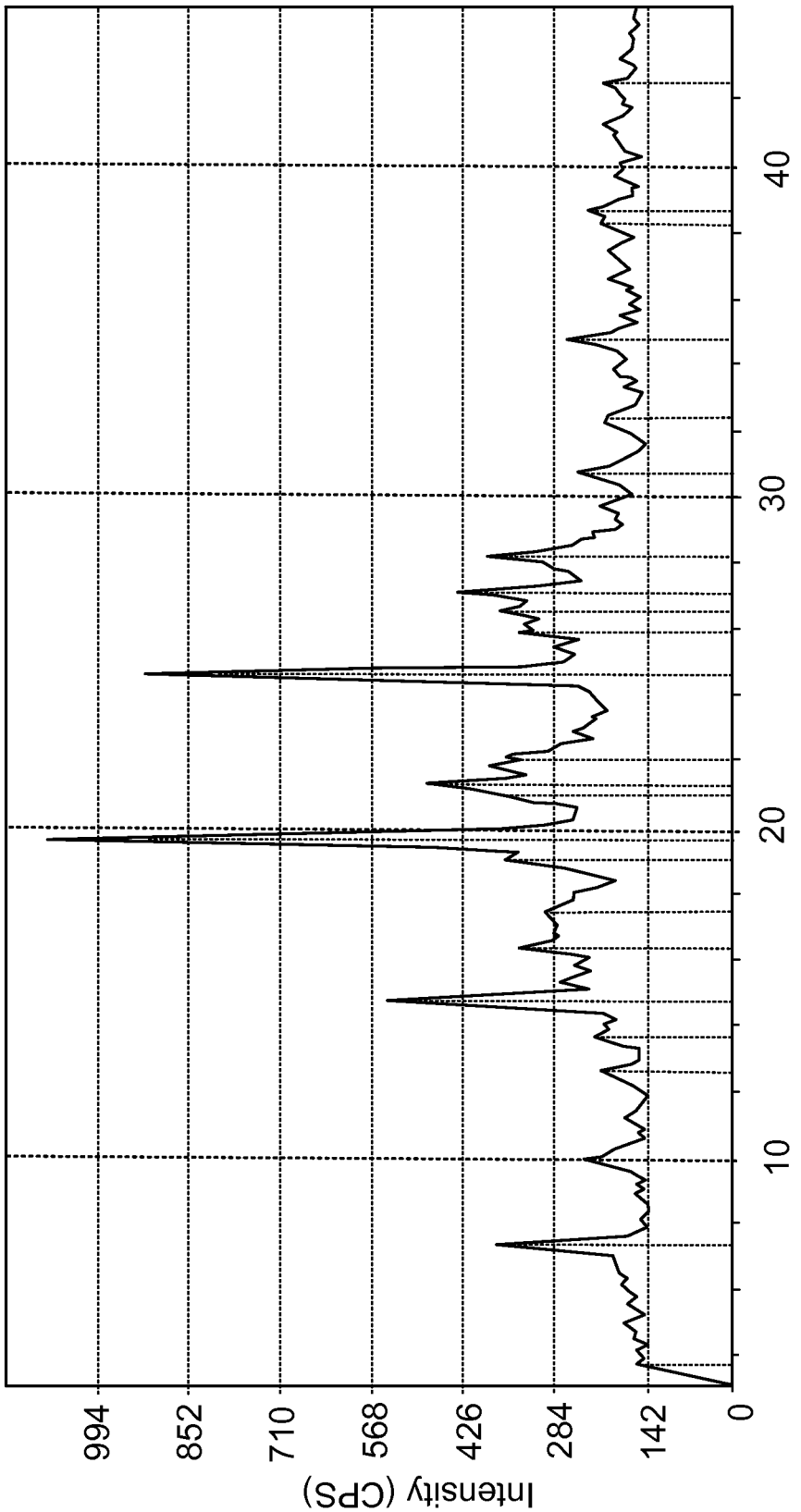
Intensity (CPS)
994
852
710
568
426
284
142
0
10
20
30
40
Two-Theta (deg)

FIG. 8B

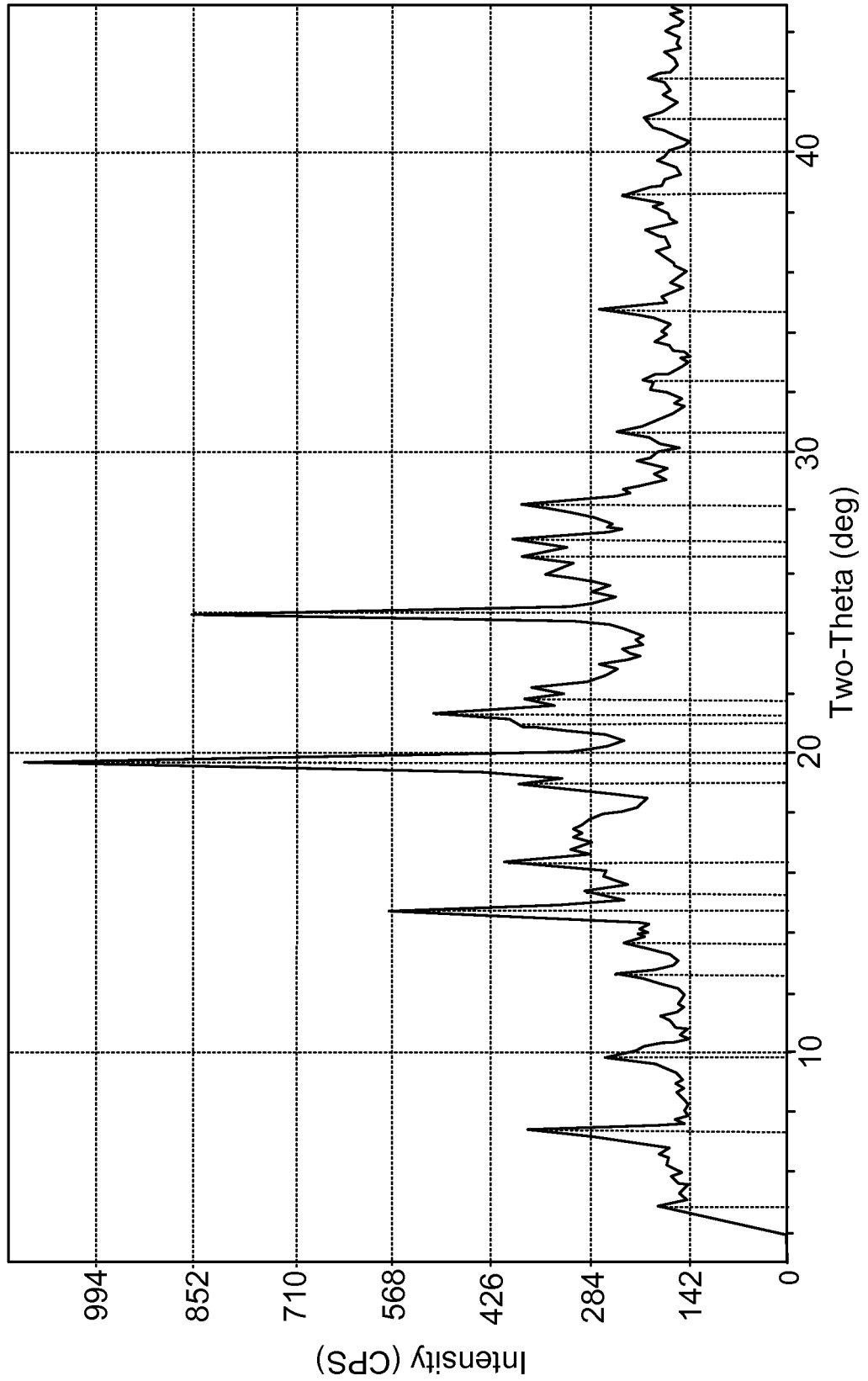
Intensity (CPS)
994
852
710
568
426
284
142
0
10
20
30
40
Two-Theta (deg)

FIG. 9