

TABLE I
 Polymerization of *l*-lysine and *l*-phenylalanine

Run	Monomer	Time (h)	Yield (%)	η_{inh} (dL/g)
1	<i>l</i> -lysine	24	90	0.12
2	<i>l</i> -lysine	48	95	0.15
3	<i>l</i> -lysine	72	98	0.18
4	<i>l</i> -lysine	96	99	0.20
5	<i>l</i> -lysine	120	100	0.22
6	<i>l</i> -phenylalanine	24	85	0.10
7	<i>l</i> -phenylalanine	48	90	0.12
8	<i>l</i> -phenylalanine	72	95	0.15
9	<i>l</i> -phenylalanine	96	98	0.18
10	<i>l</i> -phenylalanine	120	100	0.20

Reaction conditions: 100 °C, 100 mmHg, 100 mL of solvent, 10 mmol of monomer, 1 mmol of catalyst.

monomer was 10 mmol, and the catalyst was 1 mmol. The reaction was carried out at 100 °C and 100 mmHg for 24 h. The polymerization was stopped by adding 10 mL of methanol.

The polymerization was carried out in a 100 mL round-bottom flask equipped with a magnetic stirrer.

The reaction mixture was cooled to 0 °C and then poured into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

TABLE II
 Polymerization of *l*-lysine and *l*-phenylalanine

Run	Monomer	Time (h)	Yield (%)	η_{inh} (dL/g)
11	<i>l</i> -lysine	24	90	0.12
12	<i>l</i> -lysine	48	95	0.15
13	<i>l</i> -lysine	72	98	0.18
14	<i>l</i> -lysine	96	99	0.20
15	<i>l</i> -lysine	120	100	0.22
16	<i>l</i> -phenylalanine	24	85	0.10
17	<i>l</i> -phenylalanine	48	90	0.12
18	<i>l</i> -phenylalanine	72	95	0.15
19	<i>l</i> -phenylalanine	96	98	0.18
20	<i>l</i> -phenylalanine	120	100	0.20

Reaction conditions: 100 °C, 100 mmHg, 100 mL of solvent, 10 mmol of monomer, 1 mmol of catalyst.

monomer was 10 mmol, and the catalyst was 1 mmol. The reaction was carried out at 100 °C and 100 mmHg for 24 h. The polymerization was stopped by adding 10 mL of methanol.

The polymerization was carried out in a 100 mL round-bottom flask equipped with a magnetic stirrer.

The reaction mixture was cooled to 0 °C and then poured into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.

The polymer was collected by filtration and dried under vacuum at 40 °C for 24 h.

The polymer was then reprecipitated into 100 mL of methanol.