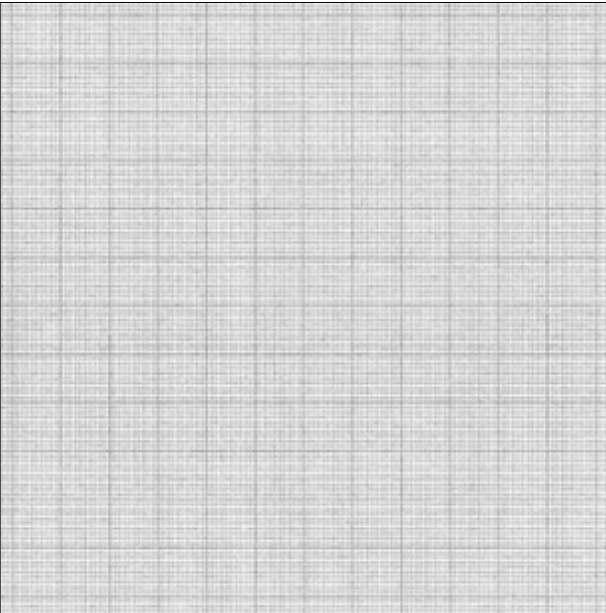


|              |                |                                                                                      |
|--------------|----------------|--------------------------------------------------------------------------------------|
| A.1<br>6.0pt | A.1.1<br>2.0pt |                                                                                      |
|              | A.1.2<br>2.0pt |                                                                                      |
|              | A.1.3<br>2.0pt |                                                                                      |
| A.2<br>7.0pt | A.2.1<br>2.0pt |  |
|              | A.2.2<br>3.0pt |                                                                                      |
|              | A.2.3<br>2.0pt |                                                                                      |

|              |                |                                                                                      |
|--------------|----------------|--------------------------------------------------------------------------------------|
| A.3<br>8.0pt | A.3.1<br>2.0pt |                                                                                      |
|              | A.3.2<br>2.0pt |                                                                                      |
|              | A.3.3<br>2.0pt |                                                                                      |
|              | A.3.4<br>2.0pt |  |
| A.4<br>4.0pt | A.4.1<br>2.0pt |                                                                                      |
|              | A.4.2<br>2.0pt |                                                                                      |

| B.1<br>18.0pt | B.1.1<br>1.0pt       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
|---------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|-----------------------------|-----------------------|----------------|---------------------------|-------------------|--|---|----|--------|--------|--|--|--|--|---|----|--------|--------|--|--|--|--|---|----|--------|--------|--|--|--|--|---|----|--------|--------|--|--|--|--|---|----|--------|--------|--|--|--|--|---|----|--------|--------|--|--|--|
|               | B.1.2<br>1.0pt       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
|               | B.1.3<br>1.0pt       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
|               | B.1.4<br>3.0pt       | <div>填表（空白列表头自行填写）：</div> <div>表 1：不同温度下氨基甲酸铵的分解压数据</div> <table><tr><th>序号</th><th><math>t/^{\circ}\text{C}</math></th><th><math>P_{\text{atm}}/\text{kPa}</math></th><th><math>\Delta P/\text{kPa}</math></th><th><math>P/\text{kPa}</math></th><th><math>K^{\ominus} \times 10^3</math></th><th><math>\lg K^{\ominus}</math></th><th></th></tr><tr><td>1</td><td>35</td><td>100.14</td><td>-81.01</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>36</td><td>100.31</td><td>-75.23</td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>37</td><td>100.31</td><td>-71.37</td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td>38</td><td>100.31</td><td>-68.68</td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td>39</td><td>100.31</td><td>-66.56</td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td>40</td><td>100.47</td><td>-63.08</td><td></td><td></td><td></td><td></td></tr></table> | 序号                    | $t/^{\circ}\text{C}$ | $P_{\text{atm}}/\text{kPa}$ | $\Delta P/\text{kPa}$ | $P/\text{kPa}$ | $K^{\ominus} \times 10^3$ | $\lg K^{\ominus}$ |  | 1 | 35 | 100.14 | -81.01 |  |  |  |  | 2 | 36 | 100.31 | -75.23 |  |  |  |  | 3 | 37 | 100.31 | -71.37 |  |  |  |  | 4 | 38 | 100.31 | -68.68 |  |  |  |  | 5 | 39 | 100.31 | -66.56 |  |  |  |  | 6 | 40 | 100.47 | -63.08 |  |  |  |
| 序号            | $t/^{\circ}\text{C}$ | $P_{\text{atm}}/\text{kPa}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\Delta P/\text{kPa}$ | $P/\text{kPa}$       | $K^{\ominus} \times 10^3$   | $\lg K^{\ominus}$     |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
| 1             | 35                   | 100.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -81.01                |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
| 2             | 36                   | 100.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -75.23                |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
| 3             | 37                   | 100.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -71.37                |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
| 4             | 38                   | 100.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -68.68                |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
| 5             | 39                   | 100.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -66.56                |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |
| 6             | 40                   | 100.47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -63.08                |                      |                             |                       |                |                           |                   |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |  |   |    |        |        |  |  |  |

B.1.5  
6.0pt



拟合直线斜率  $k =$  \_\_\_\_\_,  $\Delta_r H_m^\ominus =$  \_\_\_\_\_  
填表：

表 2：  $\Delta_r G_m^\ominus$  与  $\Delta_r S_m^\ominus$  的计算结果

| 序号 | $K^\ominus \times 10^3$ | $\lg K^\ominus$ | $10^3 \text{ K}/T$ | $\Delta_r G_m^\ominus / (\text{kJ/mol})$ | $\Delta_r S_m^\ominus / (\text{J mol}^{-1} \text{ K}^{-1})$ |
|----|-------------------------|-----------------|--------------------|------------------------------------------|-------------------------------------------------------------|
| 1  | 1.037                   | -2.9842         | 3.2452             |                                          |                                                             |
| 2  | 2.337                   | -2.6313         | 3.2347             |                                          |                                                             |
| 3  | 3.591                   | -2.4448         | 3.2242             |                                          |                                                             |
| 4  | 4.688                   | -2.3290         | 3.2139             |                                          |                                                             |
| 5  | 5.695                   | -2.2445         | 3.2036             |                                          |                                                             |
| 6  | 7.744                   | -2.1110         | 3.1934             |                                          |                                                             |

B.1.6  
1.0pt

B.1.7  
1.0pt

B.1.8  
2.0pt

|                                  |                                   |                                                                                      |
|----------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|
|                                  | <div>B.1.9</div> <div>2.0pt</div> |                                                                                      |
| <div>B.2</div> <div>12.0pt</div> | <div>B.2.1</div> <div>1.0pt</div> |                                                                                      |
|                                  | <div>B.2.2</div> <div>1.0pt</div> |  |
|                                  | <div>B.2.3</div> <div>1.0pt</div> |                                                                                      |
|                                  | <div>B.2.4</div> <div>1.0pt</div> |                                                                                      |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------------|-----------------------|---------------------------------|---------------------------------|---------|---|--------|---|-------|---|---|---|---|--------|-------|-------|--|--|--|---|--------|-------|-------|--|--|--|---|--------|-------|-------|--|--|--|---|--------|-------|-------|--|--|--|---|--------|-------|-------|--|--|--|---|--------|-------|-------|--|--|--|---|--------|-------|-------|--|--|--|
| B.2.5<br>1.0pt  | 填表：                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
|                 | 表 3：凝固点降低法测定萘的摩尔质量的实验数据                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
|                 | <table><tr><td>组号</td><td><math>W_A/\text{g}</math></td><td><math>W_B/\text{g}</math></td><td><math>T_f/^\circ\text{C}</math></td><td><math>\Delta T_f/\text{K}</math></td><td><math>M_{\text{app}}/(\text{g/mol})</math></td><td><math>10^3w</math></td></tr><tr><td>0</td><td>18.699</td><td>0</td><td>6.612</td><td>—</td><td>—</td><td>—</td></tr><tr><td>1</td><td>17.722</td><td>0.019</td><td>6.391</td><td></td><td></td><td></td></tr><tr><td>2</td><td>17.670</td><td>0.050</td><td>6.061</td><td></td><td></td><td></td></tr><tr><td>3</td><td>17.662</td><td>0.080</td><td>5.922</td><td></td><td></td><td></td></tr><tr><td>4</td><td>17.656</td><td>0.110</td><td>5.656</td><td></td><td></td><td></td></tr><tr><td>5</td><td>17.647</td><td>0.141</td><td>5.359</td><td></td><td></td><td></td></tr><tr><td>6</td><td>17.626</td><td>0.172</td><td>5.145</td><td></td><td></td><td></td></tr><tr><td>7</td><td>17.598</td><td>0.200</td><td>4.838</td><td></td><td></td><td></td></tr></table> | 组号             | $W_A/\text{g}$ | $W_B/\text{g}$       | $T_f/^\circ\text{C}$  | $\Delta T_f/\text{K}$           | $M_{\text{app}}/(\text{g/mol})$ | $10^3w$ | 0 | 18.699 | 0 | 6.612 | — | — | — | 1 | 17.722 | 0.019 | 6.391 |  |  |  | 2 | 17.670 | 0.050 | 6.061 |  |  |  | 3 | 17.662 | 0.080 | 5.922 |  |  |  | 4 | 17.656 | 0.110 | 5.656 |  |  |  | 5 | 17.647 | 0.141 | 5.359 |  |  |  | 6 | 17.626 | 0.172 | 5.145 |  |  |  | 7 | 17.598 | 0.200 | 4.838 |  |  |  |
|                 | 组号                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $W_A/\text{g}$ | $W_B/\text{g}$ | $T_f/^\circ\text{C}$ | $\Delta T_f/\text{K}$ | $M_{\text{app}}/(\text{g/mol})$ | $10^3w$                         |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
|                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18.699         | 0              | 6.612                | —                     | —                               | —                               |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 17.722         | 0.019          | 6.391                |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| 2               | 17.670                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.050          | 6.061          |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| 3               | 17.662                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.080          | 5.922          |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| 4               | 17.656                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.110          | 5.656          |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| 5               | 17.647                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.141          | 5.359          |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| 6               | 17.626                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.172          | 5.145          |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| 7               | 17.598                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.200          | 4.838          |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| B.2.6<br>1.0pt  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| B.2.7<br>2.0pt  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| B.2.8<br>1.0pt  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| B.2.9<br>1.0pt  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |
| B.2.10<br>2.0pt |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                      |                       |                                 |                                 |         |   |        |   |       |   |   |   |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |   |        |       |       |  |  |  |

|              |                |  |
|--------------|----------------|--|
| C.1<br>5.0pt | C.1.1<br>2.0pt |  |
|              | C.1.2<br>2.0pt |  |
|              | C.1.3<br>1.0pt |  |
| C.2<br>3.0pt | C.2.1<br>1.0pt |  |
|              | C.2.2<br>1.0pt |  |
|              | C.2.3<br>1.0pt |  |
| C.3<br>6.0pt | C.3.1<br>3.0pt |  |

|                                  |                                   |                                                                                                 |
|----------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------|
|                                  | <div>C.3.2</div> <div>3.0pt</div> |                                                                                                 |
| <div>C.4</div> <div>11.0pt</div> | <div>C.4.1</div> <div>4.0pt</div> |                                                                                                 |
|                                  | <div>C.4.2</div> <div>2.0pt</div> | <div></div> |
|                                  | <div>C.4.3</div> <div>5.0pt</div> |                                                                                                 |