

|           |      | 吸光度     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|-----------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Time(min) |      | 1711040 | 1811016 | 1811038 | 1811112 | 1811152 | 1911002 | 1911004 | 1911006 | 1911008 | 1911010 | 1911012 | 1911014 | 1911016 | 1911018 | 1911020 | 1911024 | 1911026 | 1911028 | 1911030 | 1911032 |
| A         | 0    | 0.617   | 0.618   | 0.631   | 0.610   | 0.625   | 0.639   | 0.613   | 0.623   | 0.611   | 0.616   | 0.627   | 0.628   | 0.634   | 0.635   | 0.617   | 0.627   | 0.623   | 0.638   | 0.626   | 0.640   |
|           | 5    | 0.384   | 0.371   | 0.376   | 0.372   | 0.370   | 0.381   | 0.379   | 0.379   | 0.371   | 0.382   | 0.383   | 0.377   | 0.373   | 0.373   | 0.380   | 0.375   | 0.380   | 0.375   | 0.382   | 0.384   |
|           | 10   | 0.225   | 0.228   | 0.226   | 0.231   | 0.232   | 0.231   | 0.227   | 0.234   | 0.225   | 0.226   | 0.234   | 0.228   | 0.225   | 0.233   | 0.226   | 0.235   | 0.231   | 0.234   | 0.233   | 0.226   |
|           | 15   | 0.143   | 0.137   | 0.135   | 0.136   | 0.137   | 0.141   | 0.136   | 0.138   | 0.139   | 0.135   | 0.138   | 0.140   | 0.142   | 0.140   | 0.136   | 0.141   | 0.135   | 0.136   | 0.135   | 0.135   |
|           | 20   | 0.167   | 0.169   | 0.169   | 0.166   | 0.174   | 0.173   | 0.171   | 0.166   | 0.169   | 0.171   | 0.172   | 0.170   | 0.166   | 0.168   | 0.165   | 0.166   | 0.168   | 0.174   | 0.167   | 0.165   |
|           | 30   | 0.128   | 0.127   | 0.124   | 0.127   | 0.124   | 0.123   | 0.121   | 0.120   | 0.120   | 0.126   | 0.123   | 0.120   | 0.125   | 0.126   | 0.127   | 0.121   | 0.124   | 0.125   | 0.125   | 0.120   |
| B         | 40   | 0.095   | 0.090   | 0.091   | 0.092   | 0.093   | 0.091   | 0.095   | 0.093   | 0.095   | 0.089   | 0.091   | 0.091   | 0.089   | 0.091   | 0.092   | 0.095   | 0.092   | 0.090   | 0.093   | 0.090   |
|           | 0    | 0       | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
|           | 5    | 0.890   | 0.880   | 0.899   | 0.899   | 0.897   | 0.885   | 0.896   | 0.879   | 0.888   | 0.879   | 0.878   | 0.881   | 0.890   | 0.900   | 0.893   | 0.880   | 0.894   | 0.892   | 0.883   | 0.898   |
|           | 10   | 1.288   | 1.310   | 1.278   | 1.280   | 1.308   | 1.307   | 1.280   | 1.286   | 1.320   | 1.302   | 1.316   | 1.282   | 1.294   | 1.316   | 1.288   | 1.314   | 1.276   | 1.274   | 1.322   | 1.318   |
|           | 12.5 | 1.409   | 1.379   | 1.373   | 1.398   | 1.375   | 1.365   | 1.391   | 1.407   | 1.365   | 1.413   | 1.379   | 1.367   | 1.383   | 1.405   | 1.391   | 1.401   | 1.407   | 1.377   | 1.371   | 1.371   |
|           | 15   | 1.420   | 1.436   | 1.418   | 1.438   | 1.408   | 1.432   | 1.422   | 1.406   | 1.428   | 1.416   | 1.416   | 1.410   | 1.434   | 1.404   | 1.418   | 1.440   | 1.434   | 1.428   | 1.452   | 1.424   |
|           | 20   | 1.403   | 1.415   | 1.427   | 1.393   | 1.401   | 1.419   | 1.407   | 1.409   | 1.399   | 1.425   | 1.387   | 1.413   | 1.387   | 1.407   | 1.401   | 1.391   | 1.417   | 1.427   | 1.391   | 1.383   |
|           | 30   | 1.213   | 1.203   | 1.165   | 1.203   | 1.193   | 1.167   | 1.171   | 1.173   | 1.179   | 1.165   | 1.189   | 1.187   | 1.197   | 1.181   | 1.163   | 1.193   | 1.211   | 1.169   | 1.207   | 1.205   |
|           | 40   | 0.899   | 0.902   | 0.912   | 0.918   | 0.918   | 0.909   | 0.916   | 0.920   | 0.910   | 0.911   | 0.922   | 0.899   | 0.904   | 0.906   | 0.897   | 0.903   | 0.898   | 0.914   | 0.921   | 0.911   |
|           | 50   | 0.671   | 0.683   | 0.667   | 0.667   | 0.666   | 0.674   | 0.666   | 0.670   | 0.686   | 0.684   | 0.688   | 0.683   | 0.669   | 0.676   | 0.680   | 0.677   | 0.674   | 0.672   | 0.672   | 0.678   |
|           | 60   | 0.491   | 0.495   | 0.499   | 0.504   | 0.488   | 0.497   | 0.503   | 0.510   | 0.496   | 0.490   | 0.505   | 0.498   | 0.492   | 0.503   | 0.487   | 0.486   | 0.494   | 0.506   | 0.509   | 0.494   |
|           | 80   | 0.508   | 0.515   | 0.522   | 0.526   | 0.526   | 0.513   | 0.511   | 0.520   | 0.509   | 0.509   | 0.513   | 0.521   | 0.520   | 0.530   | 0.510   | 0.506   | 0.514   | 0.529   | 0.527   | 0.514   |
|           | 100  | 0.261   | 0.263   | 0.269   | 0.268   | 0.260   | 0.268   | 0.260   | 0.264   | 0.270   | 0.264   | 0.263   | 0.274   | 0.262   | 0.272   | 0.270   | 0.270   | 0.261   | 0.265   | 0.269   | 0.266   |
|           | 120  | 0.136   | 0.137   | 0.137   | 0.140   | 0.137   | 0.137   | 0.137   | 0.136   | 0.134   | 0.137   | 0.140   | 0.139   | 0.134   | 0.136   | 0.134   | 0.134   | 0.139   | 0.136   | 0.138   | 0.135   |

|           |      | 吸光度     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|-----------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Time(min) |      | 1911036 | 1911038 | 1911040 | 1911042 | 1911044 | 1911102 | 1911104 | 1911106 | 1911108 | 1911110 | 1911114 | 1911116 | 1911118 | 1911122 | 1911124 | 1911126 | 1911128 | 1911130 | 1911132 | 1911134 |
| A         | 0    | 0.633   | 0.612   | 0.613   | 0.632   | 0.622   | 0.635   | 0.628   | 0.619   | 0.629   | 0.612   | 0.637   | 0.63    | 0.615   | 0.626   | 0.621   | 0.615   | 0.62    | 0.619   | 0.625   | 0.611   |
|           | 5    | 0.374   | 0.379   | 0.383   | 0.382   | 0.373   | 0.376   | 0.379   | 0.381   | 0.374   | 0.378   | 0.37    | 0.371   | 0.381   | 0.376   | 0.384   | 0.377   | 0.371   | 0.372   | 0.382   | 0.372   |
|           | 10   | 0.226   | 0.233   | 0.227   | 0.232   | 0.235   | 0.232   | 0.229   | 0.232   | 0.227   | 0.23    | 0.227   | 0.23    | 0.227   | 0.232   | 0.23    | 0.232   | 0.233   | 0.23    | 0.228   | 0.225   |
|           | 15   | 0.142   | 0.139   | 0.136   | 0.137   | 0.14    | 0.143   | 0.137   | 0.139   | 0.137   | 0.138   | 0.138   | 0.135   | 0.136   | 0.137   | 0.137   | 0.138   | 0.143   | 0.14    | 0.141   | 0.139   |
|           | 20   | 0.171   | 0.169   | 0.167   | 0.17    | 0.173   | 0.166   | 0.172   | 0.168   | 0.174   | 0.165   | 0.173   | 0.173   | 0.174   | 0.169   | 0.174   | 0.165   | 0.17    | 0.165   | 0.169   | 0.167   |
|           | 30   | 0.122   | 0.125   | 0.123   | 0.123   | 0.126   | 0.128   | 0.127   | 0.126   | 0.121   | 0.122   | 0.12    | 0.122   | 0.123   | 0.121   | 0.123   | 0.122   | 0.122   | 0.126   | 0.121   | 0.126   |
| B         | 40   | 0.09    | 0.092   | 0.095   | 0.091   | 0.093   | 0.093   | 0.094   | 0.092   | 0.091   | 0.09    | 0.094   | 0.092   | 0.094   | 0.092   | 0.094   | 0.095   | 0.091   | 0.089   | 0.094   | 0.093   |
|           | 0    | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
|           | 5    | 0.9     | 0.9     | 0.902   | 0.901   | 0.882   | 0.889   | 0.883   | 0.885   | 0.887   | 0.886   | 0.898   | 0.892   | 0.886   | 0.882   | 0.878   | 0.887   | 0.903   | 0.881   | 0.878   | 0.895   |
|           | 10   | 1.308   | 1.312   | 1.29    | 1.304   | 1.286   | 1.274   | 1.298   | 1.3     | 1.292   | 1.292   | 1.306   | 1.31    | 1.282   | 1.278   | 1.278   | 1.286   | 1.296   | 1.32    | 1.298   | 1.284   |
|           | 12.5 | 1.363   | 1.377   | 1.397   | 1.381   | 1.381   | 1.367   | 1.365   | 1.387   | 1.397   | 1.381   | 1.403   | 1.367   | 1.389   | 1.413   | 1.385   | 1.411   | 1.375   | 1.363   | 1.403   | 1.399   |
|           | 15   | 1.448   | 1.41    | 1.416   | 1.404   | 1.412   | 1.404   | 1.438   | 1.414   | 1.44    | 1.444   | 1.45    | 1.402   | 1.452   | 1.424   | 1.446   | 1.414   | 1.408   | 1.426   | 1.42    | 1.422   |
|           | 20   | 1.399   | 1.395   | 1.393   | 1.419   | 1.411   | 1.415   | 1.418   | 1.397   | 1.423   | 1.399   | 1.397   | 1.405   | 1.417   | 1.423   | 1.431   | 1.393   | 1.425   | 1.383   | 1.421   | 1.389   |
|           | 30   | 1.177   | 1.175   | 1.195   | 1.177   | 1.171   | 1.181   | 1.185   | 1.169   | 1.187   | 1.173   | 1.179   | 1.169   | 1.201   | 1.173   | 1.191   | 1.211   | 1.213   | 1.205   | 1.171   | 1.179   |
|           | 40   | 0.901   | 0.904   | 0.922   | 0.901   | 0.904   | 0.898   | 0.907   | 0.9     | 0.919   | 0.913   | 0.906   | 0.902   | 0.906   | 0.908   | 0.901   | 0.917   | 0.909   | 0.902   | 0.907   | 0.903   |
|           | 50   | 0.685   | 0.667   | 0.687   | 0.682   | 0.669   | 0.674   | 0.677   | 0.666   | 0.675   | 0.688   | 0.675   | 0.673   | 0.668   | 0.686   | 0.679   | 0.689   | 0.69    | 0.68    | 0.668   | 0.67    |
|           | 60   | 0.502   | 0.489   | 0.497   | 0.498   | 0.495   | 0.511   | 0.507   | 0.489   | 0.49    | 0.488   | 0.501   | 0.507   | 0.495   | 0.493   | 0.502   | 0.498   | 0.496   | 0.504   | 0.493   | 0.493   |
|           | 80   | 0.521   | 0.515   | 0.512   | 0.528   | 0.517   | 0.507   | 0.506   | 0.531   | 0.507   | 0.523   | 0.514   | 0.519   | 0.515   | 0.522   | 0.518   | 0.519   | 0.513   | 0.511   | 0.518   | 0.517   |
|           | 100  | 0.269   | 0.264   | 0.269   | 0.262   | 0.261   | 0.271   | 0.272   | 0.265   | 0.266   | 0.274   | 0.267   | 0.266   | 0.262   | 0.267   | 0.263   | 0.269   | 0.265   | 0.264   | 0.263   | 0.267   |
|           | 120  | 0.135   | 0.135   | 0.135   | 0.139   | 0.136   | 0.134   | 0.14    | 0.137   | 0.139   | 0.137   | 0.134   | 0.139   | 0.136   | 0.138   | 0.138   | 0.139   | 0.136   | 0.135   | 0.136   | 0.14    |

| Time(min) |       | 吸光度     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|-----------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|           |       | 1911136 | 1911140 | 1911144 | 1911146 | 1911148 | 1911150 | 1911152 | 1911156 | 1911158 | 1911160 | 1911162 | 1911164 | 1911166 | 1911170 | 1911172 | 1911174 | 1911176 | 1911178 | 1911182 | 1911184 |
| A         | 0     | 0.63    | 0.637   | 0.614   | 0.62    | 0.622   | 0.64    | 0.614   | 0.631   | 0.624   | 0.639   | 0.616   | 0.634   | 0.61    | 0.629   | 0.636   | 0.621   | 0.636   | 0.632   | 0.624   | 0.618   |
|           | 5     | 0.384   | 0.376   | 0.377   | 0.37    | 0.381   | 0.375   | 0.375   | 0.377   | 0.37    | 0.383   | 0.374   | 0.38    | 0.372   | 0.383   | 0.379   | 0.378   | 0.379   | 0.378   | 0.374   | 0.373   |
|           | 10    | 0.231   | 0.229   | 0.229   | 0.23    | 0.23    | 0.229   | 0.233   | 0.233   | 0.229   | 0.227   | 0.228   | 0.235   | 0.231   | 0.225   | 0.229   | 0.228   | 0.23    | 0.234   | 0.225   | 0.235   |
|           | 15    | 0.143   | 0.142   | 0.141   | 0.139   | 0.135   | 0.138   | 0.143   | 0.14    | 0.137   | 0.143   | 0.138   | 0.142   | 0.14    | 0.139   | 0.139   | 0.142   | 0.138   | 0.136   | 0.136   | 0.135   |
|           | 20    | 0.17    | 0.172   | 0.166   | 0.171   | 0.174   | 0.168   | 0.173   | 0.171   | 0.167   | 0.17    | 0.168   | 0.167   | 0.17    | 0.169   | 0.171   | 0.165   | 0.165   | 0.165   | 0.168   | 0.172   |
|           | 30    | 0.123   | 0.128   | 0.123   | 0.125   | 0.124   | 0.124   | 0.12    | 0.121   | 0.12    | 0.122   | 0.122   | 0.124   | 0.124   | 0.12    | 0.121   | 0.127   | 0.128   | 0.125   | 0.122   | 0.127   |
|           | 40    | 0.089   | 0.095   | 0.092   | 0.094   | 0.091   | 0.089   | 0.094   | 0.089   | 0.092   | 0.093   | 0.09    | 0.09    | 0.09    | 0.089   | 0.095   | 0.091   | 0.093   | 0.094   | 0.093   | 0.093   |
| B         | 0     | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |         |
|           | 5     | 0.881   | 0.889   | 0.886   | 0.88    | 0.888   | 0.902   | 0.885   | 0.901   | 0.894   | 0.897   | 0.879   | 0.893   | 0.887   | 0.891   | 0.891   | 0.883   | 0.884   | 0.882   | 0.895   | 0.903   |
|           | 10    | 1.314   | 1.292   | 1.276   | 1.274   | 1.29    | 1.282   | 1.322   | 1.296   | 1.304   | 1.302   | 1.28    | 1.284   | 1.288   | 1.294   | 1.29    | 1.276   | 1.324   | 1.324   | 1.318   | 1.284   |
|           | 12.5  | 1.371   | 1.399   | 1.375   | 1.379   | 1.369   | 1.393   | 1.405   | 1.369   | 1.383   | 1.377   | 1.389   | 1.369   | 1.411   | 1.395   | 1.401   | 1.395   | 1.409   | 1.387   | 1.373   | 1.393   |
|           | 15    | 1.43    | 1.412   | 1.402   | 1.406   | 1.426   | 1.436   | 1.442   | 1.406   | 1.412   | 1.442   | 1.444   | 1.448   | 1.446   | 1.418   | 1.45    | 1.42    | 1.438   | 1.402   | 1.408   | 1.43    |
|           | 20    | 1.385   | 1.409   | 1.433   | 1.405   | 1.383   | 1.429   | 1.411   | 1.431   | 1.395   | 1.413   | 1.389   | 1.401   | 1.433   | 1.421   | 1.395   | 1.385   | 1.387   | 1.397   | 1.429   | 1.389   |
|           | 30    | 1.201   | 1.199   | 1.175   | 1.163   | 1.185   | 1.181   | 1.191   | 1.195   | 1.163   | 1.167   | 1.207   | 1.183   | 1.165   | 1.209   | 1.175   | 1.199   | 1.183   | 1.177   | 1.209   | 1.167   |
|           | 40    | 0.917   | 0.905   | 0.91    | 0.915   | 0.903   | 0.913   | 0.9     | 0.898   | 0.908   | 0.914   | 0.912   | 0.916   | 0.919   | 0.9     | 0.899   | 0.92    | 0.915   | 0.921   | 0.905   | 0.897   |
|           | 50    | 0.671   | 0.687   | 0.681   | 0.691   | 0.671   | 0.676   | 0.685   | 0.67    | 0.682   | 0.668   | 0.675   | 0.69    | 0.673   | 0.683   | 0.691   | 0.684   | 0.689   | 0.672   | 0.673   | 0.679   |
|           | 60    | 0.487   | 0.492   | 0.486   | 0.505   | 0.489   | 0.509   | 0.494   | 0.491   | 0.486   | 0.501   | 0.51    | 0.491   | 0.49    | 0.508   | 0.499   | 0.511   | 0.506   | 0.488   | 0.487   | 0.492   |
|           | 80    | 0.511   | 0.508   | 0.51    | 0.529   | 0.528   | 0.519   | 0.506   | 0.531   | 0.516   | 0.525   | 0.524   | 0.516   | 0.51    | 0.508   | 0.53    | 0.512   | 0.509   | 0.512   | 0.524   | 0.525   |
|           | 100   | 0.271   | 0.26    | 0.265   | 0.265   | 0.26    | 0.267   | 0.262   | 0.261   | 0.268   | 0.273   | 0.26    | 0.264   | 0.268   | 0.267   | 0.263   | 0.268   | 0.267   | 0.27    | 0.273   | 0.261   |
| 120       | 0.138 | 0.14    | 0.138   | 0.14    | 0.137   | 0.134   | 0.138   | 0.14    | 0.135   | 0.135   | 0.139   | 0.134   | 0.138   | 0.137   | 0.136   | 0.134   | 0.135   | 0.138   | 0.135   | 0.138   |         |