TABLE VI. Values of various thermodynamic parameters of 0.1% (w/v) PVOH and 0.5 % (w/v) PVOH in different solvents containing acetic acid at 308 K.

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| --- | --- | --- | --- |
| *c*(CH3COOH) / mol dm-3 | *E*a\* / kJ / mol | ∆*G*\* / kJ / mol | ∆*S*\*×10-4 / kJ / mol K |
| 0.1 % (w/v) PVOH in water |
| 0.1 | 16.713 | 67.908 | -0.1662 |
| 0.5 | 67.830 | -0.1659 |
| 0.5 % (w/v) PVOH in water |
| 0.1 | 17.864 | 68.531 | -0.1645 |
| 0.5 | 68.201 | -0.1634 |
| 0.1 % (w/v) PVOH in 5 % (v/v) methanol |
| 0.1 | 16.659 | 68.065 | -0.1669 |
| 0.5 | 67.948 | -0.1665 |
| 0.5 % (w/v) PVOH in 5 % (v/v) methanol |
| 0.1 | 18.146 | 68.577 | -0.1637 |
| 0.5 | 68.253 | -0.1627 |
| 0.1 % (w/v) PVOH in 5 % (v/v) ethanol |
| 0.1 | 17.223 | 68.040 | -0.1649 |
| 0.5 | 67.934 | -0.1646 |
| 0.5 % (w/v) PVOH in 5 % (v/v) ethanol |
| 0.1 | 19.223 | 68.609 | -0.1603 |
| 0.5 | 68.234 | -0.1591 |
| 0.1 % (w/v) PVOH in 5 % (v/v) 2-propanol |
| 0.1 | 17.107 | 68.153 | -0.1647 |
| 0.5 | 68.583 | -0.1671 |
| 0.5 % (w/v) PVOH in 5% (v/v) 2-propanol |
| 0.1 | 20.617 | 68.633 | -0.1558 |
| 0.5 | 68.954 | -0.1569 |
| 0.1 % (w/v) PVOH in 5 % (v/v) 1-butanol |
| 0.1 | 18.854 | 68.074 | -0.1598 |
| 0.5 | 67.892 | -0.1592 |
| 0.5 % (w/v) PVOH in 5 % (v/v) butanol |
| 0.1 | 20.998 | 68.645 | -0.1547 |
| 0.5 | 68.254 | -0.1534 |