**Table 1.** Secondary structure band assignments for the native and ferulic acid-conjugated *Helix lucorum* hemocyanin in 50 mM PBS buffer (pH 7.2).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Assignment of the secondary structure components [13] | HlH native | | FA-HlH-1 | | FA-HlH-2 | |
| **Band position (cm-1)** | **Relative area (%)** | **Band position (cm-1)** | **Relative area (%)** | **Band position (cm-1)** | **Relative area (%)** |
| anti-parallel β-sheets | – | – | 1609 | 11.31 | 1613;  1694 | 10.91  2.12 |
| β -structures (sheets and turns) | 1629;  1633;  1664;  1676  1690 | 0.15;  8.0;  11.76;  23.31;  7.90 | 1621;  1633;  1667;  1683 | 7.31;  14.0;  12.74  10.73 | 1624;  1632;  1666;  1682 | 10.28;  14.57;  15.80;  7.74 |
| α-helices | 1653 | 30.39 | 1651 | 20.79 | 1653 | 23.7 |
| unordered structures/random coils | 1642 | 18.4 | 1644 | 23.13 | 1642 | 14.57 |

FA-HlH-1 (40 ferulic acid residues); FA-HlH-2 (120 ferulic acid residues)