**Table.3 Fitted Parameters of the proposed model with different residual suction for the confined GMZ01 bentonite**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MPa** | **a1**  **%** | **a2**  **(% m3)/Mg** | **a3**  **MPa** | **a4** | **a5**  **MPa** | **a6** | **a7**  **/°C** | **a8** | **mf** | **R2** |
| **90** | 48.4 | -13.94 | 3.57 | -0.18 | 0.63 | 2.26 | 0.013 | -0.65 | 0.26 | **0.9948** |
| **110** | 48.5 | -13.99 | 3.98 | -0.24 | 0.73 | 1.95 | 0.012 | -0.45 | 0.29 | **0.9948** |
| **130** | 48.5 | -14.01 | 4.49 | -0.29 | 0.88 | 1.66 | 0.010 | -0.28 | 0.32 | **0.9947** |
| **150** | 48.6 | -14.04 | 5.06 | -0.33 | 1.05 | 1.42 | 0.008 | -0.14 | 0.35 | **0.9946** |
| **170** | 48.7 | -14.09 | 5.68 | -0.37 | 1.24 | 1.23 | 0.007 | -0.03 | 0.38 | **0.9944** |
| **190** | 48.7 | -14.12 | 6.34 | -0.41 | 1.45 | 1.06 | 0.006 | 0.07 | 0.41 | **0.9943** |