Table5-2 Feldspar compositions (wt%) for some early Paleozoic gneissic granites

in the Wuyi and Wugong domains

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| sample | spot | SiO2 | Al2O3 | CaO | Na2O | K2O | BaO | TiO2 | MgO | FeO | MnO | Total | An | Ab | Or | spot position |
| JX04 | Pl1.1 | 61.60 | 23.34 | 4.89 | 7.95 | 0.25 | - | - | 0.00 | - | 0.00 | 98.03 | 24.99 | 73.52 | 1.49 | near core |
| JX04 | Pl1.2 | 63.02 | 23.05 | 4.44 | 8.55 | 0.17 | 0.05 | 0.01 | 0.02 | - | 0.00 | 99.30 | 22.06 | 76.94 | 1.01 | near rim |
| JX04 | Pl2.1 | 62.54 | 22.99 | 4.63 | 8.43 | 0.29 | 0.03 | - | - | 0.04 | 0.03 | 98.97 | 22.88 | 75.41 | 1.71 | transition |
| JX04 | Pl2.2 | 62.91 | 23.11 | 4.81 | 8.49 | 0.10 | - | - | 0.00 | 0.05 | 0.01 | 99.48 | 23.69 | 75.73 | 0.58 | near rim |
| JX04 | Pl3.1 | 61.95 | 23.90 | 5.27 | 8.26 | 0.13 | 0.01 | - | 0.01 | - | - | 99.53 | 25.89 | 73.35 | 0.77 | core |
| JX04 | Pl3.2 | 65.67 | 21.73 | 3.44 | 9.28 | 0.07 | - | - | - | 0.00 | 0.01 | 100.20 | 16.94 | 82.67 | 0.39 | rim |
| JX14 | Pl1.1 | 62.39 | 22.77 | 4.93 | 8.45 | 0.22 | 0.00 | 0.04 | - | 0.01 | 0.02 | 98.83 | 24.07 | 74.67 | 1.26 | near rim |
| JX14 | Pl2.1 | 63.09 | 22.92 | 4.86 | 8.23 | 0.15 | - | - | - | 0.06 | - | 99.32 | 24.36 | 74.73 | 0.90 | rim |
| JX14 | Pl3.1 | 62.59 | 23.03 | 4.92 | 7.94 | 0.33 | - | 0.02 | - | 0.01 | 0.02 | 98.86 | 24.99 | 72.99 | 2.02 | transition |
| JX14 | Pl4.1 | 62.79 | 23.60 | 5.28 | 7.71 | 0.25 | - | - | - | - | - | 99.62 | 27.04 | 71.44 | 1.52 | near core |
| JX35 | Pl1.1 | 64.37 | 21.84 | 3.96 | 9.26 | 0.10 | - | - | - | - | - | 99.54 | 19.00 | 80.41 | 0.59 | near core |
| JX35 | Pl2.1 | 64.00 | 21.73 | 3.87 | 9.19 | 0.08 | - | - | - | - | 0.02 | 98.89 | 18.78 | 80.73 | 0.49 | near core |
| JX35 | Pl3.1 | 64.37 | 21.87 | 3.34 | 9.10 | 0.45 | 0.02 | 0.00 | 0.01 | 0.03 | 0.04 | 99.23 | 16.43 | 80.94 | 2.63 | near rim |
| JX36 | Pl1.1 | 65.66 | 21.13 | 2.87 | 10.09 | 0.16 | - | - | 0.02 | - | 0.00 | 99.94 | 13.48 | 85.63 | 0.89 | transition |
| JX36 | Pl2.1 | 66.66 | 21.11 | 2.62 | 9.67 | 0.15 | 0.03 | 0.00 | - | - | - | 100.24 | 12.91 | 86.20 | 0.89 | rim |
| JX39 | Pl1.1 | 64.68 | 22.39 | 3.91 | 9.31 | 0.21 | - | - | - | - | 0.02 | 100.51 | 18.61 | 80.21 | 1.18 | near core |
| JX39 | Pl1.2 | 64.03 | 21.75 | 3.61 | 9.28 | 0.17 | - | 0.02 | - | 0.02 | 0.01 | 98.88 | 17.53 | 81.51 | 0.97 | rim |
| JX39 | Pl2.1 | 64.06 | 22.25 | 4.05 | 9.12 | 0.19 | - | 0.00 | - | 0.03 | 0.02 | 99.71 | 19.49 | 79.44 | 1.07 | near core |
| JX39 | Pl2.2 | 64.07 | 22.13 | 3.89 | 8.88 | 0.21 | 0.04 | - | 0.01 | 0.00 | 0.02 | 99.25 | 19.25 | 79.52 | 1.24 | rim |
| JX52 | Pl1.1 | 65.50 | 22.73 | 4.17 | 8.95 | 0.19 |  | - | 0.01 | - | - | 101.55 | 20.23 | 78.65 | 1.12 | transition |
| JX52 | Pl1.2 | 66.60 | 21.90 | 3.22 | 9.38 | 0.12 |  | 0.00 | - | 0.06 | - | 101.28 | 15.84 | 83.45 | 0.71 | rim |
| JX52 | Pl2.1 | 63.28 | 22.97 | 4.63 | 8.42 | 0.28 |  | 0.00 | - | - | 0.01 | 99.59 | 22.91 | 75.46 | 1.63 | core |
| JX52 | Pl2.2 | 63.56 | 23.36 | 4.93 | 8.45 | 0.16 |  | - | - | 0.02 | 0.01 | 100.49 | 24.15 | 74.92 | 0.93 | transition |
| JX52 | Pl2.3 | 64.65 | 22.02 | 3.82 | 9.26 | 0.13 |  | 0.00 | - | 0.11 | 0.01 | 100.00 | 18.44 | 80.84 | 0.72 | rim |
| JX66-5 | Pl1.1 | 60.36 | 23.88 | 6.25 | 7.80 | 0.31 | 0.04 | - | - | 0.02 | - | 98.65 | 30.12 | 68.10 | 1.79 | core |
| JX66-5 | Pl1.2 | 60.63 | 23.68 | 5.81 | 8.06 | 0.24 | 0.05 | - | - | 0.04 | 0.01 | 98.50 | 28.12 | 70.51 | 1.38 | rim |
| JX66-5 | Pl2.1 | 60.19 | 23.74 | 5.97 | 7.80 | 0.16 | 0.05 | 0.03 | 0.00 | 0.02 | - | 97.96 | 29.45 | 69.64 | 0.91 | core |
| JX66-5 | Pl2.2 | 60.70 | 23.49 | 5.78 | 8.03 | 0.25 | - | - | - | 0.04 | 0.03 | 98.32 | 28.06 | 70.49 | 1.45 | rim |
| CQ3-2 | Pl1.1 | 62.74 | 22.90 | 4.55 | 8.68 | 0.12 | - | 0.01 | - | 0.04 | 0.00 | 99.05 | 22.31 | 76.98 | 0.71 | Pl in myrmekite |
| CQ3-2 | Pl1.2 | 62.83 | 22.87 | 4.54 | 8.70 | 0.14 | 0.02 | - | - | - | - | 99.11 | 22.21 | 76.98 | 0.81 | Pl in myrmekite |
| CQ3-2 | Pl2.1 | 62.56 | 23.10 | 4.56 | 8.61 | 0.12 | - | - | 0.02 | 0.01 | 0.02 | 99.00 | 22.50 | 76.81 | 0.69 | near core |
| CQ3-2 | Pl2.2 | 63.41 | 22.72 | 4.31 | 8.80 | 0.27 | 0.03 | 0.02 | - | - | 0.01 | 99.57 | 20.98 | 77.49 | 1.53 | near rim |
| CQ3-2 | Pl3.1 | 62.99 | 23.00 | 4.38 | 8.80 | 0.16 | - | 0.00 | - | 0.00 | 0.01 | 99.35 | 21.39 | 77.70 | 0.91 | near core |
| CQ3-2 | Pl3.2 | 63.25 | 22.89 | 4.25 | 8.44 | 0.75 | - | 0.01 | 0.02 | 0.02 | 0.02 | 99.64 | 20.83 | 74.82 | 4.35 | near rim |
| CQ3-2 | Pl4.1 | 64.01 | 23.14 | 4.56 | 8.57 | 0.12 | 0.00 | - | - | 0.02 | 0.01 | 100.44 | 22.55 | 76.72 | 0.73 | Pl in myrmekite |
| JX71 | Pl1.1 | 62.18 | 22.87 | 4.55 | 9.08 | 0.11 | - | 0.03 | 0.01 | 0.05 | 0.01 | 98.88 | 21.54 | 77.85 | 0.61 | core |
| JX71 | Pl1.2 | 63.16 | 22.93 | 3.66 | 9.18 | 0.33 | 0.03 | 0.00 | 0.06 | 0.15 | 0.03 | 99.53 | 17.72 | 80.38 | 1.90 | transition |
| JX71 | Pl1.3 | 63.30 | 22.45 | 3.53 | 9.24 | 0.16 | 0.04 | - | 0.02 | 0.05 | - | 98.78 | 17.28 | 81.80 | 0.92 | rim |
| JX14 | Kf1.1 | 64.12 | 18.15 | 0.03 | 1.15 | 16.16 | 0.17 | 0.03 | 0.01 | 0.06 | 0.01 | 99.88 | 0.14 | 9.78 | 90.08 |  |
| JX35 | Kf1.1 | 66.13 | 17.74 | 0.06 | 0.89 | 14.43 | 0.10 | 0.05 | 0.00 | 0.01 | 0.00 | 99.41 | 0.30 | 8.51 | 91.19 |  |
| JX35 | Kf1.2 | 66.00 | 18.37 | 0.01 | 0.97 | 15.03 | 0.12 | 0.02 | 0.02 | 0.01 | 0.01 | 100.55 | 0.04 | 8.93 | 91.03 |  |
| JX35 | Kf2.1 | 66.29 | 18.27 | 0.02 | 0.40 | 16.12 | 0.25 | - | - | - | - | 101.36 | 0.12 | 3.59 | 96.3 |  |
| JX52 | Kf1.1 | 63.06 | 17.56 | - | 0.37 | 16.95 | 0.02 | 0.05 | - | 0.05 | - | 98.06 | 0.00 | 3.22 | 96.78 |  |
| JX52 | Kf1.2 | 63.81 | 17.52 | 0.01 | 0.44 | 16.85 | 0.06 | 0.03 | 0.00 | - | 0.03 | 98.74 | 0.02 | 3.77 | 96.20 |  |
| JX52 | Kf2.1 | 63.77 | 17.96 | 0.02 | 0.48 | 16.25 | 0.09 | 0.05 | - | 0.01 | - | 98.62 | 0.11 | 4.29 | 95.60 |  |
| JX66-5 | Kf1.1 | 63.82 | 18.01 | 0.03 | 0.75 | 16.52 | 0.46 | 0.02 | 0.00 | - | - | 99.64 | 0.15 | 6.43 | 93.42 |  |
| CQ3-2 | Kf1.1 | 65.93 | 18.03 | 0.03 | 0.99 | 15.57 | 0.35 | - | - | 0.01 | - | 100.91 | 0.12 | 8.84 | 91.04 |  |
| CQ3-2 | Kf2.1 | 65.72 | 17.62 | 0.02 | 0.63 | 16.27 | 0.29 | - | 0.01 | 0.00 | - | 100.56 | 0.10 | 5.57 | 94.33 |  |