|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Chl-1 | | | Chl-2 | | |
| Max | Min | Average | Max | Min | Average |
| SiO2 | 25.33 | 21.29 | 23.15 | 28.27 | 24.56 | 25.91 |
| TiO2 | 0.06 | 0.00 | 0.03 | 0.41 | 0.00 | 0.06 |
| Al2O3 | 19.80 | 17.69 | 18.76 | 19.86 | 15.61 | 18.02 |
| FeO | 35.04 | 31.49 | 33.33 | 34.88 | 29.96 | 33.06 |
| MnO | 0.70 | 0.41 | 0.55 | 0.52 | 0.33 | 0.41 |
| MgO | 13.06 | 9.71 | 11.41 | 13.75 | 8.92 | 10.41 |
| CaO | 0.11 | 0.01 | 0.03 | 0.11 | 0.00 | 0.03 |
| Na2O | 0.03 | 0.00 | 0.01 | 0.09 | 0.00 | 0.02 |
| K2O | 0.07 | 0.00 | 0.01 | 0.30 | 0.01 | 0.08 |
| Total | 89.39 | 83.83 | 87.35 | 89.29 | 86.97 | 88.02 |
| SiIV | 2.75 | 2.45 | 2.59 | 3.06 | 2.74 | 2.85 |
| AlIV | 1.55 | 1.25 | 1.41 | 1.26 | 0.94 | 1.15 |
| T site | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| AlVI | 1.22 | 0.93 | 1.07 | 1.31 | 1.01 | 1.18 |
| Ti | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 |
| Fe+2 | 3.36 | 2.93 | 3.13 | 3.24 | 2.71 | 3.04 |
| Mn | 0.07 | 0.04 | 0.05 | 0.05 | 0.03 | 0.04 |
| Mg | 2.16 | 1.64 | 1.91 | 2.21 | 1.46 | 1.70 |
| Ca | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| Na | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 |
| K | 0.01 | 0.00 | 0.00 | 0.04 | 0.00 | 0.01 |
| Cations | 10.28 | 10.01 | 10.16 | 10.03 | 9.82 | 9.99 |
| Octahedral vacant | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.03 |
| Fe/(Fe+Mg) | 0.67 | 0.57 | 0.62 | 0.69 | 0.55 | 0.64 |
| Mg/(Fe+Mg) | 0.43 | 0.33 | 0.38 | 0.45 | 0.31 | 0.36 |
| Battaglia-1999 | 286 | 245 | 264 | 250 | 206 | 234 |
| Zang-1995 | 318 | 253 | 290 | 256 | 187 | 234 |
| Cathelineau-1985 | 347 | 282 | 316 | 286 | 218 | 262 |
| Average | 317 | 260 | 290 | 264 | 204 | 243 |

Notes: Total iron content as FeO. Temperatures of chlorite formation were calculated based on the geothermometers of Battaglia (1999), Zang and Fyfe (1995) and Cathelineau and Nieva (1985), respectively. Min = minimum, Max = maximum.