附表2 北山造山带北部辉长岩LA-ICP-MS U-Pb锆石测年结果

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Appendix table 2 LA-ICP-MS analytical results of zircon U–Pb isotopic ratios and ages of the gabbro from northern Beishan orogenic belt | | | | | | | | | | | | | |
|  |  | 同位素比值 | | | | | | 年龄 (Ma) | | | | | |
| 点 | Th/U | 207Pb/206Pb | 1s | 207Pb/235U | 1s | 206Pb/238U | 1s | 207Pb/206Pb | 1s | 207Pb/235U | 1s | 206Pb/238U | 1s |
| *3005-1 (辉长岩)* | | | |  |  |  |  |  |  |  |  |  |  |
| 1 | 1.05 | 0.0529 | 0.0007 | 0.328 | 0.005 | 0.0449 | 0.0004 | 326 | 31 | 288 | 4 | 283 | 3 |
| 2 | 1.15 | 0.0519 | 0.0008 | 0.318 | 0.005 | 0.0444 | 0.0004 | 280 | 35 | 280 | 5 | 280 | 3 |
| 3 | 0.79 | 0.0516 | 0.0010 | 0.309 | 0.006 | 0.0434 | 0.0004 | 266 | 43 | 273 | 5 | 274 | 3 |
| 4 | 0.90 | 0.0516 | 0.0007 | 0.313 | 0.005 | 0.0439 | 0.0004 | 270 | 33 | 276 | 4 | 277 | 3 |
| 5 | 0.67 | 0.0529 | 0.0021 | 0.325 | 0.015 | 0.0446 | 0.0005 | 323 | 92 | 286 | 13 | 281 | 3 |
| 6 | 0.87 | 0.0524 | 0.0007 | 0.330 | 0.005 | 0.0457 | 0.0005 | 304 | 29 | 290 | 4 | 288 | 3 |
| 7 | 0.66 | 0.0522 | 0.0008 | 0.317 | 0.006 | 0.0440 | 0.0004 | 295 | 37 | 280 | 5 | 278 | 3 |
| 8 | 0.91 | 0.0520 | 0.0010 | 0.312 | 0.006 | 0.0435 | 0.0004 | 286 | 42 | 276 | 5 | 274 | 3 |
| 9 | 1.00 | 0.0521 | 0.0008 | 0.320 | 0.005 | 0.0445 | 0.0004 | 289 | 35 | 282 | 5 | 281 | 3 |
| 10 | 0.54 | 0.0511 | 0.0017 | 0.314 | 0.011 | 0.0447 | 0.0004 | 243 | 77 | 278 | 9 | 282 | 3 |
| 11 | 1.09 | 0.0523 | 0.0007 | 0.314 | 0.005 | 0.0436 | 0.0004 | 298 | 30 | 277 | 4 | 275 | 3 |
| 12 | 1.16 | 0.0517 | 0.0007 | 0.315 | 0.005 | 0.0441 | 0.0004 | 273 | 29 | 278 | 4 | 278 | 3 |
| 13 | 1.34 | 0.0521 | 0.0007 | 0.316 | 0.005 | 0.0435 | 0.0004 | 290 | 32 | 276 | 4 | 274 | 3 |
| 14 | 0.87 | 0.0518 | 0.0010 | 0.311 | 0.007 | 0.0436 | 0.0004 | 277 | 46 | 275 | 6 | 275 | 3 |
| 15 | 0.87 | 0.0523 | 0.0008 | 0.324 | 0.005 | 0.0450 | 0.0004 | 299 | 33 | 285 | 4 | 284 | 3 |
| 16 | 0.85 | 0.0518 | 0.0008 | 0.310 | 0.005 | 0.0434 | 0.0004 | 276 | 34 | 274 | 4 | 274 | 3 |
| 17 | 0.62 | 0.0515 | 0.0024 | 0.309 | 0.015 | 0.0435 | 0.0005 | 264 | 107 | 273 | 13 | 274 | 3 |
| 18 | 0.95 | 0.0524 | 0.0006 | 0.316 | 0.004 | 0.0437 | 0.0004 | 301 | 28 | 279 | 4 | 276 | 3 |
| 19 | 0.84 | 0.0517 | 0.0007 | 0.311 | 0.005 | 0.0436 | 0.0004 | 271 | 33 | 275 | 4 | 275 | 3 |
| 20 | 0.65 | 0.0516 | 0.0008 | 0.311 | 0.005 | 0.0438 | 0.0004 | 268 | 35 | 275 | 4 | 276 | 3 |
| 21 | 0.72 | 0.0521 | 0.0006 | 0.321 | 0.005 | 0.0447 | 0.0005 | 288 | 27 | 283 | 4 | 282 | 3 |
| 22 | 0.42 | 0.0523 | 0.0006 | 0.324 | 0.005 | 0.0450 | 0.0004 | 296 | 28 | 285 | 4 | 284 | 3 |
| 23 | 1.19 | 0.0523 | 0.0007 | 0.322 | 0.005 | 0.0446 | 0.0005 | 299 | 31 | 283 | 4 | 281 | 3 |
| 24 | 0.76 | 0.0517 | 0.0008 | 0.312 | 0.005 | 0.0438 | 0.0004 | 273 | 37 | 276 | 5 | 276 | 3 |
| 25 | 0.61 | 0.0523 | 0.0009 | 0.315 | 0.006 | 0.0436 | 0.0004 | 300 | 40 | 278 | 5 | 275 | 3 |
| 26 | 1.13 | 0.0517 | 0.0007 | 0.317 | 0.005 | 0.0445 | 0.0004 | 271 | 30 | 280 | 4 | 281 | 3 |
| 27 | 0.92 | 0.0528 | 0.0007 | 0.320 | 0.005 | 0.0440 | 0.0004 | 319 | 31 | 282 | 4 | 278 | 3 |
| 28 | 0.92 | 0.0523 | 0.0007 | 0.325 | 0.005 | 0.0451 | 0.0004 | 298 | 31 | 286 | 4 | 284 | 3 |
| 29 | 1.39 | 0.0528 | 0.0006 | 0.321 | 0.004 | 0.0441 | 0.0004 | 320 | 26 | 282 | 4 | 278 | 3 |
| 30 | 0.97 | 0.0529 | 0.0008 | 0.322 | 0.005 | 0.0441 | 0.0004 | 326 | 34 | 283 | 5 | 278 | 3 |
| 31 | 0.80 | 0.0530 | 0.0011 | 0.319 | 0.007 | 0.0437 | 0.0004 | 328 | 47 | 281 | 6 | 276 | 3 |
| 32 | 1.00 | 0.0519 | 0.0012 | 0.311 | 0.007 | 0.0434 | 0.0004 | 279 | 51 | 275 | 6 | 274 | 3 |

注：测试单位为中国地质调查局天津地质调查中心同位素实验室