附表1 小坑高岭土矿锆石LA-ICPMS U-Pb定年分析结果

Table 1 Zircon LA-ICPMS U-Pb data of ore from the Xiaokeng kaolin deposit

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spot no. | Th(×10-6) | | U(×10-6) | | Th/U | | U-TH-Pb同位素比值 | | | | | | | | | | | | | | | | 同位素年龄 (Ma) | | | | | | | | | | | |
| 207Pb/207Pb | | 1σ | | 207Pb/235U | | 1σ | | 206Pb/238U | | 1σ | | 208Pb/232Th | | 1σ | | 207Pb/206Pb | | 1σ | | 207Pb/235U | | 1σ | | 206Pb/238U | | 1σ | |
| XGL-1-01 | 170 | 1714 | | 0.10 | | 0.0732 | | 0.0033 | | 1.7363 | | 0.0792 | | 0.1712 | | 0.0025 | | 0.0555 | | 0.0025 | | 1018 | | 90 | | 1022 | | 29 | | 1019 | | 14 | |
| XGL-1-02 | 682 | 1638 | | 0.42 | | 0.0556 | | 0.0028 | | 0.5653 | | 0.0241 | | 0.0725 | | 0.0010 | | 0.0248 | | 0.0008 | | 439 | | 113 | | 455 | | 16 | | 451 | | 6 | |
| XGL-1-03 | 354 | 771 | | 0.46 | | 0.0510 | | 0.0032 | | 0.2581 | | 0.0150 | | 0.0365 | | 0.0005 | | 0.0121 | | 0.0004 | | 243 | | 144 | | 233 | | 12 | | 231 | | 3 | |
| XGL-1-04 | 312 | 840 | | 0.37 | | 0.0562 | | 0.0024 | | 0.5634 | | 0.0237 | | 0.0726 | | 0.0010 | | 0.0231 | | 0.0007 | | 457 | | 93 | | 454 | | 15 | | 452 | | 6 | |
| XGL-1-05 | 261 | 721 | | 0.36 | | 0.0506 | | 0.0030 | | 0.2554 | | 0.0136 | | 0.0365 | | 0.0005 | | 0.0117 | | 0.0004 | | 233 | | 137 | | 231 | | 11 | | 231 | | 3 | |
| XGL-1-06 | 475 | 1226 | | 0.39 | | 0.0721 | | 0.0024 | | 1.6525 | | 0.0570 | | 0.1645 | | 0.0021 | | 0.0495 | | 0.0012 | | 987 | | 69 | | 991 | | 22 | | 982 | | 12 | |
| XGL-1-08 | 447 | 1671 | | 0.27 | | 0.0517 | | 0.0031 | | 0.2770 | | 0.0148 | | 0.0390 | | 0.0006 | | 0.0136 | | 0.0006 | | 276 | | 168 | | 248 | | 12 | | 247 | | 4 | |
| XGL-1-09 | 423 | 705 | | 0.60 | | 0.0544 | | 0.0045 | | 0.2787 | | 0.0198 | | 0.0395 | | 0.0017 | | 0.0112 | | 0.0005 | | 387 | | 187 | | 250 | | 16 | | 250 | | 11 | |
| XGL-1-10 | 2192 | 4725 | | 0.46 | | 0.0566 | | 0.0021 | | 0.2875 | | 0.0104 | | 0.0367 | | 0.0005 | | 0.0129 | | 0.0003 | | 476 | | 81 | | 257 | | 8 | | 232 | | 3 | |
| XGL-1-11 | 1300 | 2623 | | 0.50 | | 0.0501 | | 0.0017 | | 0.2509 | | 0.0083 | | 0.0362 | | 0.0004 | | 0.0117 | | 0.0003 | | 211 | | 78 | | 227 | | 7 | | 229 | | 2 | |
| XGL-1-12 | 304 | 1113 | | 0.27 | | 0.0468 | | 0.0039 | | 0.2558 | | 0.0372 | | 0.0363 | | 0.0020 | | 0.0120 | | 0.0007 | | 39 | | 189 | | 231 | | 30 | | 230 | | 2 | |
| XGL-1-14 | 263 | 947 | | 0.28 | | 0.0611 | | 0.0038 | | 0.6075 | | 0.0371 | | 0.0732 | | 0.0018 | | 0.0276 | | 0.0010 | | 643 | | 136 | | 482 | | 23 | | 455 | | 11 | |
| XGL-1-15 | 364 | 939 | | 0.39 | | 0.0563 | | 0.0048 | | 0.5660 | | 0.0468 | | 0.0731 | | 0.0015 | | 0.0237 | | 0.0010 | | 461 | | 191 | | 455 | | 30 | | 455 | | 9 | |
| XGL-1-16 | 1143 | 1605 | | 0.71 | | 0.0503 | | 0.0060 | | 0.2620 | | 0.0335 | | 0.0371 | | 0.0009 | | 0.0117 | | 0.0008 | | 209 | | 256 | | 236 | | 27 | | 235 | | 5 | |
| XGL-1-17 | 913 | 2092 | | 0.44 | | 0.0542 | | 0.0022 | | 0.5467 | | 0.0214 | | 0.0732 | | 0.0010 | | 0.0243 | | 0.0007 | | 389 | | 95 | | 443 | | 14 | | 455 | | 6 | |
| XGL-1-18 | 219 | 527 | | 0.42 | | 0.0512 | | 0.0052 | | 0.2565 | | 0.0246 | | 0.0370 | | 0.0007 | | 0.0134 | | 0.0007 | | 256 | | 222 | | 232 | | 20 | | 234 | | 5 | |
| XGL-2-01 | 530 | 917 | | 0.58 | | 0.0512 | | 0.0028 | | 0.2552 | | 0.0136 | | 0.0361 | | 0.0005 | | 0.0107 | | 0.0003 | | 256 | | 124 | | 231 | | 11 | | 229 | | 3 | |
| XGL-2-02 | 1507 | 10016 | | 0.15 | | 0.0533 | | 0.0020 | | 0.2736 | | 0.0078 | | 0.0366 | | 0.0015 | | 0.0155 | | 0.0007 | | 343 | | 85 | | 246 | | 6 | | 232 | | 9 | |
| XGL-2-03 | 214 | 941 | | 0.23 | | 0.0501 | | 0.0034 | | 0.2536 | | 0.0166 | | 0.0369 | | 0.0006 | | 0.0117 | | 0.0007 | | 211 | | 159 | | 229 | | 13 | | 233 | | 4 | |
| XGL-2-04 | 433 | 583 | | 0.74 | | 0.0512 | | 0.0036 | | 0.2595 | | 0.0166 | | 0.0373 | | 0.0006 | | 0.0109 | | 0.0004 | | 256 | | 165 | | 234 | | 13 | | 236 | | 4 | |
| XGL-2-05 | 1690 | 1479 | | 1.14 | | 0.0515 | | 0.0037 | | 0.2588 | | 0.0174 | | 0.0367 | | 0.0006 | | 0.0110 | | 0.0003 | | 265 | | 160 | | 234 | | 14 | | 232 | | 4 | |
| XGL-2-06 | 627 | 1564 | | 0.40 | | 0.0561 | | 0.0025 | | 0.5702 | | 0.0252 | | 0.0733 | | 0.0010 | | 0.0222 | | 0.0007 | | 457 | | 94 | | 458 | | 16 | | 456 | | 6 | |
| XGL-2-08 | 500 | 1963 | | 0.25 | | 0.0531 | | 0.0025 | | 0.2657 | | 0.0129 | | 0.0361 | | 0.0005 | | 0.0130 | | 0.0005 | | 332 | | 107 | | 239 | | 10 | | 228 | | 3 | |
| XGL-2-09 | 192 | 5372 | | 0.04 | | 0.0513 | | 0.0017 | | 0.2568 | | 0.0083 | | 0.0359 | | 0.0003 | | 0.0110 | | 0.0005 | | 254 | | 69 | | 232 | | 7 | | 228 | | 2 | |
| XGL-2-12 | 93.9 | 1242 | | 0.08 | | 0.0567 | | 0.0032 | | 0.5687 | | 0.0399 | | 0.0737 | | 0.0031 | | 0.0215 | | 0.0032 | | 480 | | 124 | | 457 | | 26 | | 459 | | 19 | |
| XGL-2-13 | 512 | 738 | | 0.69 | | 0.0513 | | 0.0033 | | 0.2526 | | 0.0155 | | 0.0364 | | 0.0006 | | 0.0112 | | 0.0004 | | 254 | | 152 | | 229 | | 13 | | 230 | | 4 | |
| XGL-2-14 | 312 | 975 | | 0.32 | | 0.0560 | | 0.0033 | | 0.5682 | | 0.0334 | | 0.0735 | | 0.0010 | | 0.0226 | | 0.0009 | | 454 | | 136 | | 457 | | 22 | | 457 | | 6 | |
| XGL-2-15 | 416 | 635 | | 0.66 | | 0.0501 | | 0.0069 | | 0.2528 | | 0.0331 | | 0.0363 | | 0.0011 | | 0.0109 | | 0.0010 | | 198 | | 302 | | 229 | | 27 | | 230 | | 7 | |
| XGL-2-16 | 1327 | 3246 | | 0.41 | | 0.0507 | | 0.0018 | | 0.2578 | | 0.0094 | | 0.0367 | | 0.0004 | | 0.0115 | | 0.0003 | | 228 | | 83 | | 233 | | 8 | | 233 | | 2 | |
| XGL-2-17 | 3842 | 6230 | | 0.62 | | 0.0506 | | 0.0016 | | 0.2541 | | 0.0077 | | 0.0364 | | 0.0004 | | 0.0109 | | 0.0003 | | 233 | | 72 | | 230 | | 6 | | 230 | | 3 | |
| XGL-2-18 | 1629 | 1684 | | 0.97 | | 0.0507 | | 0.0027 | | 0.2539 | | 0.0134 | | 0.0362 | | 0.0004 | | 0.0124 | | 0.0003 | | 228 | | 120 | | 230 | | 11 | | 229 | | 3 | |

附表2 小坑高岭土矿独居石LA-ICPMS U-Pb定年分析结果

Table 2 Monazite LA-ICPMS U-Pb data of ore from the Xiaokeng kaolin deposit

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spot no. | Th(×10-6) | U(×10-6) | Th/U | U-TH-Pb同位素比值 | | | | | | | | 同位素年龄 (Ma) | | | | | |
| 207Pb/207Pb | 1σ | 207Pb/235U | 1σ | 206Pb/238U | 1σ | 208Pb/232Th | 1σ | 207Pb/206Pb | 1σ | 207Pb/235U | 1σ | 206Pb/238U | 1σ |
| XGL-2(Mz)-01 | 50204 | 5600 | 9.0 | 0.0506 | 0.0015 | 0.2545 | 0.0074 | 0.0364 | 0.0003 | 0.0113 | 0.0001 | 233 | 73 | 230 | 6 | 231 | 2 |
| XGL-2(Mz)-02 | 73116 | 3200 | 22.8 | 0.0502 | 0.0022 | 0.2529 | 0.0089 | 0.0365 | 0.0004 | 0.0116 | 0.0001 | 211 | 104 | 229 | 7 | 231 | 3 |
| XGL-2(Mz)-03 | 78408 | 4479 | 17.5 | 0.0505 | 0.0016 | 0.2516 | 0.0082 | 0.0360 | 0.0003 | 0.0115 | 0.0001 | 217 | 79 | 228 | 7 | 228 | 2 |
| XGL-2(Mz)-04 | 48623 | 3159 | 15.4 | 0.0506 | 0.0018 | 0.2524 | 0.0090 | 0.0362 | 0.0003 | 0.0116 | 0.0001 | 220 | 53 | 229 | 7 | 229 | 2 |
| XGL-2(Mz)-05 | 48990 | 5514 | 8.9 | 0.0508 | 0.0017 | 0.2540 | 0.0081 | 0.0365 | 0.0005 | 0.0116 | 0.0001 | 232 | 80 | 230 | 7 | 231 | 3 |
| XGL-2(Mz)-06 | 45099 | 4368 | 10.3 | 0.0558 | 0.0017 | 0.5561 | 0.0169 | 0.0723 | 0.0007 | 0.0225 | 0.0001 | 443 | 69 | 449 | 11 | 450 | 4 |
| XGL-2(Mz)-07 | 73034 | 1906 | 38.3 | 0.0524 | 0.0028 | 0.2611 | 0.0129 | 0.0365 | 0.0005 | 0.0114 | 0.0001 | 302 | 120 | 236 | 10 | 231 | 3 |
| XGL-2(Mz)-08 | 55789 | 5816 | 9.6 | 0.0506 | 0.0015 | 0.2509 | 0.0073 | 0.0359 | 0.0003 | 0.0116 | 0.0001 | 220 | 69 | 227 | 6 | 227 | 2 |
| XGL-2(Mz)-09 | 73499 | 2949 | 24.9 | 0.0513 | 0.0023 | 0.2516 | 0.0107 | 0.0357 | 0.0004 | 0.0113 | 0.0001 | 254 | 102 | 228 | 9 | 226 | 3 |
| XGL-2(Mz)-10 | 76033 | 6031 | 12.6 | 0.0502 | 0.0015 | 0.2487 | 0.0074 | 0.0359 | 0.0003 | 0.0116 | 0.0001 | 211 | 70 | 226 | 6 | 227 | 2 |
| XGL-2(Mz)-11 | 34841 | 3197 | 10.9 | 0.0558 | 0.0017 | 0.5529 | 0.0162 | 0.0717 | 0.0006 | 0.0224 | 0.0002 | 456 | 67 | 447 | 11 | 446 | 4 |
| XGL-2(Mz)-12 | 81685 | 5591 | 14.6 | 0.0510 | 0.0015 | 0.2562 | 0.0073 | 0.0364 | 0.0003 | 0.0114 | 0.0001 | 243 | 69 | 232 | 6 | 231 | 2 |
| XGL-2(Mz)-13 | 84862 | 4755 | 17.8 | 0.0512 | 0.0014 | 0.2579 | 0.0069 | 0.0366 | 0.0003 | 0.0113 | 0.0001 | 250 | 68 | 233 | 6 | 232 | 2 |
| XGL-2(Mz)-14 | 80374 | 4933 | 16.3 | 0.0508 | 0.0015 | 0.2539 | 0.0073 | 0.0363 | 0.0003 | 0.0113 | 0.0001 | 232 | 67 | 230 | 6 | 230 | 2 |
| XGL-2(Mz)-15 | 76598 | 3014 | 25.4 | 0.0508 | 0.0018 | 0.2523 | 0.0084 | 0.0363 | 0.0004 | 0.0112 | 0.0001 | 232 | 88 | 228 | 7 | 230 | 2 |
| XGL-2(Mz)-16 | 66159 | 1830 | 36.2 | 0.0509 | 0.0023 | 0.2531 | 0.0109 | 0.0363 | 0.0004 | 0.0113 | 0.0001 | 235 | 108 | 229 | 9 | 230 | 2 |
| XGL-2(Mz)-17 | 74623 | 4767 | 15.7 | 0.0490 | 0.0014 | 0.2486 | 0.0073 | 0.0367 | 0.0003 | 0.0115 | 0.0001 | 150 | 69 | 225 | 6 | 232 | 2 |
| XGL-2(Mz)-18 | 51905 | 1653 | 31.4 | 0.0581 | 0.0052 | 0.5552 | 0.0310 | 0.0721 | 0.0009 | 0.0225 | 0.0002 | 532 | 196 | 448 | 20 | 449 | 5 |

附表3 小坑高岭土矿独居石LA-ICPMS微量元素分析结果(×10-6)

Table 3 LA-ICPMS trace elements (×10-6) of monazite from the Xiaokeng kaolin deposit

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spot no. | Ti | Y | Nb | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | Hf | Ta |
| XGL-2-01 | 1.0939 | 10237 | 0.04 | 121168 | 229218 | 25500 | 94834 | 17333 | 345 | 13066 | 1474 | 4685 | 372 | 334 | 14.7 | 38.0 | 2.40 | 0.77 | 0.06 |
| XGL-2-02 | 0.0000 | 14671 | 0.12 | 115428 | 226979 | 25008 | 89916 | 15091 | 292 | 9445 | 1072 | 4361 | 602 | 1065 | 88.2 | 335 | 29.4 | 0.46 | 0.12 |
| XGL-2-03 | 0.0000 | 16718 | 0.00 | 107899 | 220179 | 24926 | 90587 | 15797 | 298 | 10106 | 1184 | 4923 | 671 | 1222 | 104 | 412 | 35.3 | 0.35 | 0.16 |
| XGL-2-04 | 1.05 | 9822 | 0.00 | 125216 | 243503 | 26754 | 97574 | 13662 | 465 | 7349 | 771 | 3044 | 403 | 731 | 63.8 | 250 | 21.4 | 0.51 | 0.04 |
| XGL-2-05 | 1.44 | 19189 | 0.00 | 116415 | 218535 | 24522 | 91994 | 17416 | 329 | 14292 | 1659 | 6185 | 764 | 1233 | 95.4 | 340 | 32.0 | 1.33 | 0.34 |
| XGL-2-06 |  | 8072 | 0.02 | 136313 | 241262 | 25484 | 89329 | 13302 | 289 | 7316 | 719 | 2585 | 320 | 519 | 39.5 | 153 | 12.6 | 0.48 | 0.07 |
| XGL-2-07 | 1.40 | 8121 | 0.05 | 119588 | 229551 | 25735 | 92802 | 14662 | 141 | 8262 | 788 | 2662 | 335 | 526 | 40.0 | 153 | 12.8 | 0.30 | 0.12 |
| XGL-2-08 | 1.2519 | 22527 | 0.05 | 115766 | 218354 | 24182 | 88260 | 14751 | 366 | 10303 | 1328 | 5951 | 917 | 1786 | 154 | 640 | 58.8 | 0.82 | 0.25 |
| XGL-2-09 | 1.03 | 14487 | 0.00 | 118420 | 226795 | 25498 | 91486 | 14983 | 238 | 9432 | 1072 | 4358 | 604 | 1059 | 87.7 | 321 | 27.2 | 0.92 | 0.15 |
| XGL-2-10 | 1.1047 | 17085 | 0.08 | 108784 | 219357 | 24834 | 89721 | 16511 | 195 | 10528 | 1279 | 5230 | 707 | 1232 | 106 | 445 | 37.4 | 0.18 | 0.11 |
| XGL-2-11 |  | 6817 |  | 146575 | 246451 | 25279 | 86328 | 11983 | 379 | 6557 | 635 | 2255 | 278 | 448 | 33.7 | 116 | 9.37 | 0.67 | 0.06 |
| XGL-2-12 | 0.0000 | 19170 | 0.08 | 104921 | 214301 | 24131 | 88280 | 16833 | 194 | 11087 | 1350 | 5612 | 783 | 1391 | 117 | 477 | 40.4 | 0.89 | 0.21 |
| XGL-2-13 | 0.0000 | 19611 | 0.08 | 102883 | 211286 | 23988 | 86470 | 17609 | 521 | 11951 | 1499 | 6153 | 802 | 1331 | 107 | 371 | 30.0 | 1.07 | 0.18 |
| XGL-2-14 |  | 17564 | 0.04 | 109815 | 220084 | 24451 | 88778 | 15851 | 311 | 10282 | 1241 | 5129 | 727 | 1311 | 110 | 434 | 39.6 | 0.83 | 0.09 |
| XGL-2-15 | 0.98 | 11451 | 0.07 | 119737 | 235811 | 25434 | 88824 | 13663 | 187 | 7877 | 830 | 3394 | 492 | 913 | 77.4 | 299 | 27.9 | 0.64 | 0.03 |
| XGL-2-16 | 0.0000 | 14920 | 0.04 | 118125 | 228751 | 25274 | 91869 | 14366 | 546 | 8722 | 992 | 4292 | 623 | 1156 | 96.3 | 374 | 34.3 | 0.55 | 0.06 |
| XGL-2-17 | 0.0000 | 17242 | 0.05 | 108950 | 221079 | 24771 | 88412 | 15490 | 186 | 9895 | 1192 | 5099 | 719 | 1287 | 107 | 437 | 39.2 | 0.68 | 0.16 |
| XGL-2-18 |  | 5379 |  | 141857 | 241195 | 24763 | 87103 | 12725 | 259 | 7091 | 621 | 1995 | 230 | 332 | 22.7 | 77.8 | 5.63 | 0.25 | 0.04 |

(continued)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Spot no. | Pb(common) | Pb(total) | Th | U | ΣREE | Eu/Eu\* | (Gd/Lu)N |
| XGL-2-01 |  | 709 | 50204 | 5600 | 508384 | 0.07 | 673.77 |
| XGL-2-02 |  | 871 | 73116 | 3200 | 489713 | 0.07 | 39.76 |
| XGL-2-03 | 2.38 | 966 | 78408 | 4479 | 478346 | 0.07 | 35.37 |
| XGL-2-04 | 0.87 | 613 | 48623 | 3159 | 519806 | 0.13 | 42.43 |
| XGL-2-05 | 9.51 | 697 | 48990 | 5514 | 493811 | 0.06 | 55.16 |
| XGL-2-06 |  | 1202 | 45099 | 4368 | 517643 | 0.08 | 72.04 |
| XGL-2-07 | 3.49 | 808 | 73034 | 1906 | 495258 | 0.04 | 80.09 |
| XGL-2-08 | 0.00 | 775 | 55789 | 5816 | 482817 | 0.09 | 21.65 |
| XGL-2-09 | 1.02 | 839 | 73499 | 2949 | 494381 | 0.06 | 42.82 |
| XGL-2-10 |  | 993 | 76033 | 6031 | 478966 | 0.04 | 34.82 |
| XGL-2-11 | 3.51 | 915 | 34841 | 3197 | 527327 | 0.12 | 86.47 |
| XGL-2-12 | 3.22 | 1024 | 81685 | 5591 | 469518 | 0.04 | 33.90 |
| XGL-2-13 | 5.13 | 1025 | 84862 | 4755 | 465001 | 0.10 | 49.21 |
| XGL-2-14 | 7.08 | 979 | 80374 | 4933 | 478563 | 0.07 | 32.13 |
| XGL-2-15 | 4.14 | 873 | 76598 | 3014 | 497566 | 0.05 | 34.88 |
| XGL-2-16 |  | 732 | 66159 | 1830 | 495221 | 0.14 | 31.43 |
| XGL-2-17 | 0.00 | 935 | 74623 | 4767 | 477662 | 0.04 | 31.16 |
| XGL-2-18 | 3.00 | 1152 | 51905 | 1653 | 518278 | 0.08 | 155.75 |

附表4 小坑高岭土矿锆石Hf同位素分析结果

Table 4 Hf isotopic compositions of zircon from the Xiaokeng kaolin deposit

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spot no. | Age (Ma) | 176Hf/177Hf | 1σ | 176Lu/177Hf | 1σ | 176Yb/177Hf | 1σ | εHf(t) | 1σ | TDM1 | TDM2 | fLu/Hf |
| XGL-1(Zr)-1 | 1019 | 0.282295 | 0.000038 | 0.003591 | 0.000021 | 0.160479 | 0.001123 | 3.2 | 1.5 | 1450 | 1579 | -0.89 |
| XGL-1(Zr)-3 | 231 | 0.282355 | 0.000016 | 0.001102 | 0.000031 | 0.053627 | 0.001645 | -9.9 | 0.8 | 1271 | 1677 | -0.97 |
| XGL-1(Zr)-5 | 231 | 0.282367 | 0.000012 | 0.001160 | 0.000008 | 0.047347 | 0.000260 | -9.4 | 0.7 | 1255 | 1653 | -0.97 |
| XGL-1(Zr)-6 | 982 | 0.282360 | 0.000015 | 0.001330 | 0.000016 | 0.056832 | 0.000344 | 6.3 | 0.8 | 1270 | 1380 | -0.96 |
| XGL-1(Zr)-10 | 232 | 0.282454 | 0.000017 | 0.002106 | 0.000026 | 0.085486 | 0.001086 | -6.5 | 0.8 | 1161 | 1490 | -0.94 |
| XGL-1(Zr)-11 | 229 | 0.282463 | 0.000017 | 0.001907 | 0.000042 | 0.077306 | 0.001578 | -6.2 | 0.8 | 1142 | 1472 | -0.94 |
| XGL-1(Zr)-16 | 235 | 0.282589 | 0.000013 | 0.001570 | 0.000049 | 0.067499 | 0.002161 | -1.5 | 0.7 | 952 | 1220 | -0.95 |
| XGL-1(Zr)-17 | 455 | 0.282451 | 0.000014 | 0.002092 | 0.000041 | 0.086362 | 0.001384 | -2.0 | 0.7 | 1166 | 1418 | -0.94 |
| XGL-1(Zr)-18 | 234 | 0.282448 | 0.000013 | 0.001878 | 0.000029 | 0.072147 | 0.000967 | -6.6 | 0.7 | 1163 | 1499 | -0.94 |
| XGL-2(Zr)-1 | 229 | 0.282602 | 0.000015 | 0.001467 | 0.000034 | 0.064960 | 0.001623 | -1.2 | 0.7 | 932 | 1198 | -0.96 |
| XGL-2(Zr)-2 | 232 | 0.282546 | 0.000014 | 0.002331 | 0.000053 | 0.099913 | 0.002065 | -3.3 | 0.7 | 1035 | 1313 | -0.93 |
| XGL-2(Zr)-3 | 233 | 0.282509 | 0.000010 | 0.000756 | 0.000012 | 0.032361 | 0.000621 | -4.3 | 0.6 | 1043 | 1371 | -0.98 |
| XGL-2(Zr)-4 | 233 | 0.282380 | 0.000014 | 0.001218 | 0.000011 | 0.049447 | 0.000409 | -8.9 | 0.7 | 1239 | 1628 | -0.96 |
| XGL-2(Zr)-6 | 456 | 0.282348 | 0.000011 | 0.000685 | 0.000036 | 0.030964 | 0.001582 | -5.2 | 0.7 | 1266 | 1595 | -0.98 |
| XGL-2(Zr)-8 | 228 | 0.282330 | 0.000011 | 0.000733 | 0.000010 | 0.030672 | 0.000444 | -10.7 | 0.7 | 1292 | 1723 | -0.98 |
| XGL-2(Zr)-9 | 228 | 0.282420 | 0.000013 | 0.000562 | 0.000036 | 0.026277 | 0.001494 | -7.5 | 0.7 | 1162 | 1546 | -0.98 |
| XGL-2(Zr)-13 | 230 | 0.282358 | 0.000012 | 0.001209 | 0.000009 | 0.050168 | 0.000315 | -9.8 | 0.7 | 1270 | 1672 | -0.96 |
| XGL-2(Zr)-14 | 457 | 0.282328 | 0.000009 | 0.000851 | 0.000014 | 0.036322 | 0.000683 | -5.9 | 0.6 | 1299 | 1637 | -0.97 |
| XGL-2(Zr)-15 | 230 | 0.282071 | 0.000010 | 0.000935 | 0.000005 | 0.035646 | 0.000165 | -19.9 | 0.6 | 1660 | 2228 | -0.97 |
| XGL-2(Zr)-16 | 233 | 0.282501 | 0.000014 | 0.001795 | 0.000012 | 0.076018 | 0.000541 | -4.7 | 0.7 | 1084 | 1395 | -0.95 |
| XGL-2(Zr)-17 | 230 | 0.282483 | 0.000014 | 0.001711 | 0.000027 | 0.073635 | 0.001210 | -5.4 | 0.7 | 1109 | 1432 | -0.95 |
| XGL-2(Zr)-18 | 229 | 0.282417 | 0.000010 | 0.001079 | 0.000024 | 0.046000 | 0.001103 | -7.7 | 0.6 | 1183 | 1557 | -0.97 |