附表1 幕阜山花岗岩锆石U-Pb同位素测试结果

Table 1 Zircon U-Pb isotope data of the granitesat Mufushan

| 样号 | 元素含量及比值 | 同位素比值 | 同位素年龄（Ma） |
| --- | --- | --- | --- |
| Th | U | Th | 207Pb | 1σ | 206Pb | 1σ | 207Pb | 1σ | 206Pb | 1σ |
| U | 235U | 238U | 235U | 238U |
| 斑状黑云母二长花岗岩（20M7-2） |
| 1 | 914  | 1534  | 0.60  | 0.2164  | 0.0100  | 0.0241  | 0.0004  | 198.9  | 8.4  | 153.5  | 2.3  |
| 2 | 1114  | 4803  | 0.23  | 0.1488  | 0.0029  | 0.0210  | 0.0001  | 140.9  | 2.6  | 134.0  | 0.9  |
| 3 | 225  | 360  | 0.62  | 0.1866  | 0.0085  | 0.0246  | 0.0003  | 173.7  | 7.3  | 156.6  | 1.9  |
| 4 | 419  | 614  | 0.68  | 0.1645  | 0.0057  | 0.0240  | 0.0003  | 154.6  | 5.0  | 152.7  | 1.8  |
| 5 | 443  | 1541  | 0.29  | 0.1537  | 0.0045  | 0.0218  | 0.0003  | 145.2  | 4.0  | 138.8  | 1.7  |
| 6 | 322  | 368  | 0.88  | 0.2040  | 0.0069  | 0.0242  | 0.0003  | 188.5  | 5.8  | 153.9  | 1.8  |
| 7 | 115  | 219  | 0.52  | 0.4289  | 0.0336  | 0.0514  | 0.0029  | 362.4  | 23.9  | 323.2  | 18.0  |
| 8 | 220  | 355  | 0.62  | 0.3201  | 0.0118  | 0.0335  | 0.0003  | 282.0  | 9.1  | 212.3  | 2.1  |
| 9 | 151  | 229  | 0.66  | 0.1630  | 0.0079  | 0.0232  | 0.0004  | 153.3  | 6.9  | 148.1  | 2.2  |
| 10 | 1463  | 4637  | 0.32  | 0.3294  | 0.0194  | 0.0221  | 0.0003  | 289.1  | 14.8  | 141.1  | 1.6  |
| 11 | 540  | 1773  | 0.30  | 0.1593  | 0.0041  | 0.0227  | 0.0003  | 150.1  | 3.6  | 144.4  | 1.6  |
| 12 | 559  | 935  | 0.60  | 0.1680  | 0.0059  | 0.0243  | 0.0004  | 157.7  | 5.2  | 155.1  | 2.5  |
| 13 | 410  | 664  | 0.62  | 0.1601  | 0.0058  | 0.0248  | 0.0003  | 150.8  | 5.1  | 157.9  | 1.6  |
| 14 | 1037  | 2894  | 0.36  | 0.1687  | 0.0040  | 0.0226  | 0.0002  | 158.3  | 3.5  | 143.9  | 1.5  |
| 15 | 215  | 353  | 0.61  | 0.1620  | 0.0077  | 0.0243  | 0.0003  | 152.4  | 6.7  | 154.9  | 1.7  |
| 16 | 385  | 746  | 0.52  | 0.1538  | 0.0052  | 0.0237  | 0.0002  | 145.3  | 4.6  | 151.1  | 1.5  |
| 17 | 464  | 838  | 0.55  | 0.1642  | 0.0053  | 0.0240  | 0.0002  | 154.4  | 4.6  | 152.8  | 1.5  |
| 18 | 1508  | 4804  | 0.31  | 0.1595  | 0.0029  | 0.0223  | 0.0002  | 150.2  | 2.5  | 142.0  | 1.2  |
| 19 | 240  | 282  | 0.85  | 0.1614  | 0.0081  | 0.0233  | 0.0003  | 152.0  | 7.1  | 148.8  | 1.9  |
| 20 | 130  | 199  | 0.65  | 1.1080  | 0.0333  | 0.1270  | 0.0015  | 757.2  | 16.0  | 770.8  | 8.6  |
| 21 | 73  | 410  | 0.18  | 1.2932  | 0.0331  | 0.1444  | 0.0016  | 842.7  | 14.7  | 869.5  | 9.3  |
| 22 | 159  | 282  | 0.56  | 0.3560  | 0.0174  | 0.0441  | 0.0013  | 309.2  | 13.1  | 277.9  | 7.8  |
| 23 | 1126  | 1962  | 0.57  | 0.1428  | 0.0037  | 0.0212  | 0.0002  | 135.5  | 3.3  | 135.2  | 1.1  |
| 24 | 472  | 1003  | 0.47  | 0.1613  | 0.0046  | 0.0238  | 0.0003  | 151.9  | 4.0  | 151.8  | 1.9  |
| 25 | 323  | 647  | 0.50  | 1.2224  | 0.0239  | 0.1342  | 0.0011  | 810.9  | 10.9  | 811.8  | 6.1  |
| 26 | 165  | 354  | 0.47  | 1.0585  | 0.0419  | 0.1225  | 0.0033  | 733.1  | 20.7  | 744.8  | 18.7  |
| 27 | 1477  | 4712  | 0.31  | 0.2886  | 0.0071  | 0.0235  | 0.0003  | 257.5  | 5.6  | 149.7  | 1.8  |
| 28 | 288  | 2730  | 0.11  | 0.1464  | 0.0039  | 0.0217  | 0.0002  | 138.7  | 3.5  | 138.7  | 1.6  |
| 29 | 269  | 1531  | 0.18  | 0.1716  | 0.0046  | 0.0228  | 0.0003  | 160.8  | 4.0  | 145.3  | 1.7  |
| 30 | 144  | 802  | 0.18  | 0.1475  | 0.0043  | 0.0228  | 0.0002  | 139.7  | 3.8  | 145.6  | 1.3  |
| 二云母二长花岗岩20X6-1 |
| 1 | 534  | 2940  | 0.18  | 0.1473  | 0.0039  | 0.0202  | 0.0002  | 139.6  | 3.5  | 129.1  | 1.3  |
| 2 | 375  | 1561  | 0.24  | 0.1486  | 0.0052  | 0.0223  | 0.0003  | 140.7  | 4.6  | 142.0  | 2.2  |
| 3 | 569  | 1480  | 0.38  | 0.1388  | 0.0036  | 0.0208  | 0.0002  | 132.0  | 3.2  | 132.7  | 1.4  |
| 4 | 287  | 998  | 0.29  | 0.1642  | 0.0057  | 0.0241  | 0.0003  | 154.3  | 4.9  | 153.8  | 1.7  |
| 5 | 463  | 1521  | 0.30  | 0.1374  | 0.0038  | 0.0208  | 0.0002  | 130.7  | 3.4  | 132.4  | 1.4  |
| 6 | 263  | 422  | 0.62  | 0.1484  | 0.0074  | 0.0223  | 0.0003  | 140.5  | 6.5  | 142.2  | 1.7  |
| 7 | 402  | 1418  | 0.28  | 0.1375  | 0.0038  | 0.0207  | 0.0002  | 130.8  | 3.4  | 131.9  | 1.6  |
| 8 | 148  | 1576  | 0.09  | 0.1948  | 0.0091  | 0.0270  | 0.0009  | 180.7  | 7.7  | 171.9  | 5.7  |
| 9 | 485  | 1449  | 0.33  | 0.1370  | 0.0039  | 0.0208  | 0.0003  | 130.4  | 3.5  | 132.6  | 1.9  |
| 10 | 30  | 1462  | 0.02  | 0.3074  | 0.0081  | 0.0391  | 0.0006  | 272.2  | 6.3  | 247.0  | 3.6  |
| 11 | 541  | 3013  | 0.18  | 0.2145  | 0.0074  | 0.0240  | 0.0002  | 197.3  | 6.2  | 152.8  | 1.1  |
| 12 | 269  | 930  | 0.29  | 0.1546  | 0.0051  | 0.0241  | 0.0003  | 145.9  | 4.5  | 153.7  | 2.0  |
| 13 | 178  | 2011  | 0.09  | 0.1416  | 0.0042  | 0.0212  | 0.0003  | 134.5  | 3.8  | 135.1  | 1.7  |
| 14 | 227  | 332  | 0.68  | 0.1724  | 0.0082  | 0.0258  | 0.0003  | 161.5  | 7.1  | 164.1  | 2.1  |
| 15 | 299  | 328  | 0.91  | 0.1554  | 0.0083  | 0.0234  | 0.0003  | 146.6  | 7.3  | 149.1  | 2.0  |
| 16 | 190  | 1440  | 0.13  | 0.1432  | 0.0044  | 0.0212  | 0.0003  | 135.9  | 3.9  | 135.1  | 1.7  |
| 17 | 3319  | 2209  | 1.50  | 0.1426  | 0.0035  | 0.0210  | 0.0002  | 135.4  | 3.1  | 134.2  | 1.5  |
| 18 | 42  | 434  | 0.10  | 1.0982  | 0.0385  | 0.1226  | 0.0031  | 752.5  | 18.7  | 745.3  | 17.6  |
| 19 | 382  | 1273  | 0.30  | 0.1460  | 0.0080  | 0.0218  | 0.0003  | 138.4  | 7.0  | 139.3  | 1.9  |
| 20 | 3073  | 1812  | 1.70  | 0.1595  | 0.0076  | 0.0221  | 0.0003  | 150.2  | 6.7  | 140.9  | 1.8  |
| 21 | 1032  | 1724  | 0.60  | 0.1477  | 0.0080  | 0.0217  | 0.0003  | 139.9  | 7.1  | 138.7  | 1.8  |
| 22 | 726  | 948  | 0.77  | 0.2217  | 0.0126  | 0.0298  | 0.0007  | 203.3  | 10.5  | 189.1  | 4.1  |
| 23 | 387  | 1215  | 0.32  | 0.1509  | 0.0076  | 0.0222  | 0.0003  | 142.7  | 6.7  | 141.7  | 1.9  |
| 24 | 277  | 1018  | 0.27  | 0.1570  | 0.0090  | 0.0231  | 0.0003  | 148.1  | 7.9  | 147.2  | 2.0  |
| 25 | 722  | 1590  | 0.45  | 0.1471  | 0.0061  | 0.0215  | 0.0003  | 139.3  | 5.4  | 137.4  | 1.7  |
| 26 | 421  | 1373  | 0.31  | 0.1601  | 0.0081  | 0.0217  | 0.0003  | 150.8  | 7.1  | 138.3  | 1.8  |
| 27 | 927  | 1892  | 0.49  | 0.1495  | 0.0071  | 0.0225  | 0.0003  | 141.5  | 6.3  | 143.5  | 2.1  |
| 28 | 159  | 1449  | 0.11  | 0.1630  | 0.0089  | 0.0239  | 0.0004  | 153.4  | 7.8  | 152.5  | 2.4  |
| 29 | 658  | 1613  | 0.41  | 0.1474  | 0.0065  | 0.0221  | 0.0003  | 139.6  | 5.8  | 140.6  | 2.0  |
| 30 | 340  | 1769  | 0.19  | 0.1480  | 0.0069  | 0.0211  | 0.0003  | 140.2  | 6.1  | 134.7  | 1.9  |
| 31 | 275  | 2053  | 0.13  | 0.1661  | 0.0076  | 0.0224  | 0.0003  | 156.0  | 6.6  | 143.0  | 1.6  |
| 32 | 381  | 2181  | 0.17  | 0.1567  | 0.0070  | 0.0233  | 0.0003  | 147.8  | 6.2  | 148.2  | 1.6  |
| 33 | 120  | 989  | 0.12  | 0.1533  | 0.0140  | 0.0231  | 0.0003  | 144.8  | 12.3  | 147.3  | 2.2  |
| 34 | 288  | 1008  | 0.29  | 0.1439  | 0.0076  | 0.0215  | 0.0003  | 136.5  | 6.8  | 137.1  | 2.0  |
| 石榴石白云母二长花岗岩20M2-1 |
| 1 | 345  | 1168  | 0.30  | 0.2871  | 0.0086  | 0.0284  | 0.0004  | 256.3  | 6.8  | 180.5  | 2.7  |
| 2 | 389  | 3830  | 0.10  | 0.1850  | 0.0041  | 0.0190  | 0.0002  | 172.3  | 3.5  | 121.6  | 1.2  |
| 3 | 200  | 535  | 0.37  | 0.2319  | 0.0097  | 0.0272  | 0.0004  | 211.7  | 8.0  | 173.3  | 2.2  |
| 4 | 411  | 1226  | 0.33  | 0.7159  | 0.0139  | 0.0760  | 0.0010  | 548.2  | 8.2  | 471.9  | 6.0  |
| 5 | 635  | 3245  | 0.20  | 0.1534  | 0.0035  | 0.0206  | 0.0002  | 145.0  | 3.1  | 131.2  | 1.2  |
| 6 | 2802  | 7593  | 0.37  | 0.2010  | 0.0046  | 0.0188  | 0.0003  | 185.9  | 3.9  | 120.3  | 2.1  |
| 7 | 570  | 654  | 0.87  | 0.2461  | 0.0102  | 0.0201  | 0.0004  | 223.4  | 8.3  | 128.5  | 2.4  |
| 8 | 120  | 224  | 0.54  | 0.5668  | 0.0199  | 0.0720  | 0.0009  | 456.0  | 12.9  | 448.4  | 5.5  |
| 9 | 625  | 1800  | 0.35  | 0.1899  | 0.0062  | 0.0208  | 0.0003  | 176.6  | 5.3  | 132.9  | 1.7  |
| 10 | 120  | 796  | 0.15  | 1.1423  | 0.0211  | 0.1268  | 0.0011  | 773.6  | 10.0  | 769.8  | 6.5  |
| 11 | 50  | 1624  | 0.03  | 0.1507  | 0.0040  | 0.0225  | 0.0003  | 142.6  | 3.5  | 143.3  | 1.8  |
| 12 | 378  | 817  | 0.46  | 1.2160  | 0.0238  | 0.1328  | 0.0015  | 808.0  | 10.9  | 803.6  | 8.5  |
| 13 | 484  | 2358  | 0.21  | 0.1442  | 0.0038  | 0.0214  | 0.0002  | 136.8  | 3.4  | 136.5  | 1.2  |
| 14 | 401  | 319  | 1.26  | 0.1405  | 0.0123  | 0.0207  | 0.0004  | 133.5  | 11.0  | 132.0  | 2.6  |
| 15 | 585  | 2117  | 0.28  | 0.1496  | 0.0072  | 0.0218  | 0.0003  | 141.6  | 6.3  | 138.8  | 1.7  |
| 16 | 374  | 9710  | 0.04  | 0.1578  | 0.0047  | 0.0213  | 0.0002  | 148.7  | 4.1  | 136.0  | 1.3  |
| 17 | 70  | 734  | 0.10  | 0.7008  | 0.0297  | 0.0838  | 0.0021  | 539.3  | 17.7  | 518.8  | 12.4  |
| 18 | 86  | 466  | 0.19  | 1.2090  | 0.0433  | 0.1330  | 0.0015  | 804.7  | 19.9  | 804.8  | 8.4  |
| 19 | 331  | 1649  | 0.20  | 0.6130  | 0.0231  | 0.0692  | 0.0008  | 485.4  | 14.5  | 431.5  | 5.1  |
| 电气石白云母二长花岗岩20M1 |
| 1 | 187  | 799  | 0.23  | 1.2533  | 0.0265  | 0.1356  | 0.0011  | 824.9  | 11.9  | 819.6  | 6.3  |
| 2 | 430  | 1030  | 0.42  | 0.1536  | 0.0050  | 0.0223  | 0.0003  | 145.1  | 4.4  | 142.4  | 1.8  |
| 3 | 100  | 1001  | 0.10  | 1.1126  | 0.0223  | 0.1229  | 0.0014  | 759.4  | 10.7  | 747.0  | 7.8  |
| 4 | 483  | 535  | 0.90  | 0.1677  | 0.0069  | 0.0246  | 0.0003  | 157.4  | 6.0  | 156.9  | 1.7  |
| 5 | 53  | 487  | 0.11  | 1.1991  | 0.0264  | 0.1312  | 0.0014  | 800.2  | 12.2  | 794.8  | 7.8  |
| 6 | 1570  | 2371  | 0.66  | 0.1379  | 0.0033  | 0.0203  | 0.0002  | 131.1  | 3.0  | 129.8  | 1.0  |
| 7 | 439  | 1015  | 0.43  | 0.2519  | 0.0098  | 0.0204  | 0.0004  | 228.1  | 7.9  | 130.1  | 2.5  |
| 8 | 213  | 255  | 0.84  | 1.2553  | 0.0334  | 0.1353  | 0.0015  | 825.8  | 15.0  | 817.8  | 8.4  |
| 9 | 274  | 628  | 0.44  | 2.3402  | 0.0793  | 0.1880  | 0.0053  | 1224.6  | 24.1  | 1110.4  | 28.8  |
| 10 | 367  | 339  | 1.08  | 4.1185  | 1.8188  | 0.0590  | 0.0176  | 1658.0  | 360.8  | 369.7  | 106.9  |
| 11 | 175  | 459  | 0.38  | 1.3169  | 0.0238  | 0.1401  | 0.0013  | 853.1  | 10.4  | 845.3  | 7.1  |
| 12 | 944  | 808  | 1.17  | 0.1536  | 0.0047  | 0.0196  | 0.0003  | 145.1  | 4.1  | 125.0  | 2.1  |
| 13 | 242  | 1512  | 0.16  | 0.1445  | 0.0068  | 0.0197  | 0.0003  | 137.1  | 6.1  | 126.0  | 2.1  |
| 14 | 172  | 491  | 0.35  | 0.7325  | 0.0189  | 0.0807  | 0.0012  | 558.0  | 11.1  | 500.1  | 7.0  |
| 15 | 50  | 647  | 0.08  | 1.1375  | 0.0234  | 0.1261  | 0.0017  | 771.3  | 11.1  | 765.7  | 9.7  |
| 16 | 148  | 1079  | 0.14  | 0.3867  | 0.0088  | 0.0464  | 0.0006  | 332.0  | 6.5  | 292.6  | 3.6  |
| 17 | 432  | 428  | 1.01  | 0.1657  | 0.0093  | 0.0242  | 0.0004  | 155.7  | 8.1  | 154.2  | 2.2  |
| 18 | 155  | 404  | 0.38  | 1.1930  | 0.0256  | 0.1327  | 0.0014  | 797.4  | 11.9  | 803.1  | 8.0  |
| 19 | 1423  | 1766  | 0.81  | 0.7768  | 0.0152  | 0.0865  | 0.0010  | 583.6  | 8.7  | 534.8  | 5.9  |
| 20 | 263  | 334  | 0.79  | 1.2547  | 0.0280  | 0.1364  | 0.0013  | 825.5  | 12.6  | 824.4  | 7.3  |
| 21 | 273  | 783  | 0.35  | 1.0073  | 0.0219  | 0.1113  | 0.0012  | 707.5  | 11.1  | 680.0  | 6.7  |
| 22 | 118  | 597  | 0.20  | 1.1426  | 0.0252  | 0.1262  | 0.0010  | 773.7  | 11.9  | 766.1  | 5.9  |
| 23 | 50  | 450  | 0.11  | 1.2588  | 0.0274  | 0.1373  | 0.0012  | 827.4  | 12.3  | 829.3  | 6.8  |
| 24 | 401  | 687  | 0.58  | 0.1530  | 0.0048  | 0.0227  | 0.0002  | 144.5  | 4.3  | 144.5  | 1.3  |
| 25 | 696  | 2347  | 0.30  | 0.2171  | 0.0058  | 0.0285  | 0.0003  | 199.5  | 4.9  | 181.3  | 1.9  |
| 26 | 317  | 1439  | 0.22  | 0.1556  | 0.0038  | 0.0230  | 0.0002  | 146.8  | 3.3  | 146.9  | 1.6  |
| 27 | 43  | 370  | 0.12  | 1.1267  | 0.0246  | 0.1203  | 0.0010  | 766.2  | 11.8  | 732.4  | 5.7  |
| 28 | 459  | 390  | 1.18  | 0.1504  | 0.0074  | 0.0215  | 0.0003  | 142.2  | 6.6  | 136.9  | 1.7  |
| 29 | 141  | 182  | 0.78  | 1.3892  | 0.0684  | 0.1445  | 0.0021  | 884.4  | 29.1  | 870.1  | 11.8  |
| 30 | 441  | 941  | 0.47  | 0.1608  | 0.0087  | 0.0229  | 0.0004  | 151.4  | 7.6  | 145.9  | 2.3  |
| 31 | 670  | 740  | 0.91  | 1.2267  | 0.0408  | 0.1305  | 0.0017  | 812.8  | 18.6  | 790.9  | 9.8  |
| 32 | 128  | 720  | 0.18  | 1.2869  | 0.0467  | 0.1379  | 0.0024  | 839.9  | 20.7  | 832.5  | 13.4  |
| 33 | 558  | 383  | 1.46  | 1.1224  | 0.0417  | 0.1170  | 0.0015  | 764.1  | 19.9  | 713.0  | 8.4  |
| 34 | 119  | 326  | 0.36  | 1.0868  | 0.0403  | 0.1212  | 0.0017  | 746.9  | 19.6  | 737.6  | 9.7  |
| 35 | 227  | 295  | 0.77  | 0.1583  | 0.0120  | 0.0231  | 0.0006  | 149.2  | 10.5  | 147.3  | 3.7  |
| 36 | 280  | 367  | 0.76  | 0.1853  | 0.0139  | 0.0267  | 0.0006  | 172.6  | 11.9  | 169.8  | 3.7  |
| 37 | 417  | 1367  | 0.30  | 0.1475  | 0.0072  | 0.0218  | 0.0003  | 139.7  | 6.4  | 138.8  | 1.9  |
| 38 | 2147  | 6470  | 0.33  | 0.1528  | 0.0049  | 0.0220  | 0.0003  | 144.4  | 4.4  | 140.2  | 2.1  |
| 39 | 697  | 1813  | 0.38  | 0.1426  | 0.0063  | 0.0212  | 0.0003  | 135.4  | 5.6  | 135.3  | 1.8  |
| 40 | 52  | 406  | 0.13  | 1.1512  | 0.0412  | 0.1225  | 0.0015  | 777.8  | 19.4  | 744.9  | 8.6  |
| 41 | 225  | 1150  | 0.20  | 0.9202  | 0.0298  | 0.1027  | 0.0010  | 662.5  | 15.7  | 630.4  | 6.1  |
| 42 | 480  | 399  | 1.20  | 1.2331  | 0.0507  | 0.1360  | 0.0017  | 815.8  | 23.1  | 821.7  | 9.5  |
| 43 | 254  | 289  | 0.88  | 0.1855  | 0.0132  | 0.0243  | 0.0006  | 172.8  | 11.3  | 154.8  | 3.9  |
| 44 | 106  | 229  | 0.47  | 1.2465  | 0.0496  | 0.1293  | 0.0018  | 821.8  | 22.4  | 783.8  | 10.1  |
| 45 | 1113  | 6739  | 0.17  | 0.1780  | 0.0065  | 0.0211  | 0.0003  | 166.3  | 5.6  | 134.8  | 1.8  |
| 46 | 238  | 389  | 0.61  | 0.2092  | 0.0180  | 0.0235  | 0.0005  | 192.9  | 15.1  | 149.6  | 2.9  |
| 47 | 70  | 261  | 0.27  | 1.2127  | 0.0509  | 0.1338  | 0.0016  | 806.5  | 23.4  | 809.7  | 9.0  |
| 48 | 165  | 615  | 0.27  | 1.3421  | 0.0475  | 0.1420  | 0.0020  | 864.2  | 20.6  | 855.7  | 11.2  |
| 白云母二长花岗岩20L2-1 |
| 1 | 213  | 181  | 1.18  | 0.1393  | 0.0079  | 0.0220  | 0.0004  | 132.4  | 7.0  | 140.4  | 2.8  |
| 2 | 66  | 145  | 0.46  | 1.2854  | 0.0406  | 0.1433  | 0.0024  | 839.3  | 18.1  | 863.6  | 13.6  |
| 3 | 136  | 209  | 0.65  | 0.1472  | 0.0083  | 0.0218  | 0.0004  | 139.4  | 7.4  | 138.8  | 2.5  |
| 4 | 753  | 768  | 0.98  | 0.1572  | 0.0060  | 0.0236  | 0.0003  | 148.3  | 5.3  | 150.2  | 1.6  |
| 5 | 507  | 482  | 1.05  | 0.1527  | 0.0063  | 0.0218  | 0.0003  | 144.3  | 5.5  | 139.0  | 1.9  |
| 6 | 427  | 513  | 0.83  | 0.1473  | 0.0056  | 0.0212  | 0.0002  | 139.5  | 4.9  | 135.4  | 1.5  |
| 7 | 394  | 1068  | 0.37  | 0.1441  | 0.0041  | 0.0220  | 0.0002  | 136.7  | 3.7  | 140.5  | 1.4  |
| 8 | 674  | 487  | 1.38  | 1.2616  | 0.0941  | 0.0290  | 0.0008  | 828.6  | 42.3  | 184.1  | 5.1  |
| 9 | 375  | 587  | 0.64  | 0.1671  | 0.0063  | 0.0246  | 0.0002  | 156.9  | 5.5  | 156.8  | 1.5  |
| 10 | 729  | 419  | 1.74  | 0.1716  | 0.0085  | 0.0227  | 0.0003  | 160.8  | 7.4  | 144.8  | 1.8  |
| 11 | 74  | 585  | 0.13  | 0.4131  | 0.0144  | 0.0461  | 0.0005  | 351.1  | 10.4  | 290.3  | 3.3  |
| 12 | 373  | 359  | 1.04  | 0.1577  | 0.0077  | 0.0226  | 0.0002  | 148.7  | 6.7  | 144.1  | 1.6  |
| 13 | 545  | 1166  | 0.47  | 0.2212  | 0.0101  | 0.0192  | 0.0008  | 202.9  | 8.4  | 122.8  | 4.9  |
| 14 | 745  | 509  | 1.46  | 0.1727  | 0.0080  | 0.0224  | 0.0002  | 161.7  | 6.9  | 142.5  | 1.5  |
| 15 | 327  | 748  | 0.44  | 0.1473  | 0.0056  | 0.0215  | 0.0002  | 139.5  | 5.0  | 137.2  | 1.4  |
| 16 | 230  | 360  | 0.64  | 0.1598  | 0.0087  | 0.0232  | 0.0003  | 150.6  | 7.7  | 147.7  | 2.0  |
| 17 | 185  | 289  | 0.64  | 0.1485  | 0.0087  | 0.0231  | 0.0003  | 140.6  | 7.7  | 147.3  | 2.2  |
| 18 | 99  | 1206  | 0.08  | 0.1427  | 0.0048  | 0.0209  | 0.0003  | 135.4  | 4.2  | 133.2  | 1.9  |
| 19 | 119  | 134  | 0.89  | 0.1462  | 0.0105  | 0.0211  | 0.0004  | 138.6  | 9.3  | 134.3  | 2.8  |
| 20 | 193  | 208  | 0.93  | 0.1419  | 0.0084  | 0.0220  | 0.0003  | 134.7  | 7.5  | 140.1  | 2.0  |

附表2 幕阜山花岗岩锆石微量元素数据表（ppm）

Table 2 Trace elements of zircon from the granites at Mufushan (ppm)

| 样号 | P | Ti | Y | Nb | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | Hf | Ta |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 斑状黑云母二长花岗岩20M7-2 |
| 3 | 463 | 4.73 | 433 | 1.81 | 0.71 | 19.3 | 0.25 | 1.91 | 2.35 | 0.59 | 12.4 | 4.21 | 47.6 | 18.7 | 82.8 | 20.4 | 188 | 39.5 | 11631 | 0.92 |
| 5 | 571 | 6.89 | 1071 | 4.65 | 0.04 | 18.0 | 0.14 | 2.18 | 6.45 | 0.98 | 35.5 | 11.7 | 128 | 48.1 | 196 | 45.2 | 393 | 72.8 | 13034 | 1.68 |
| 6 | 516 | 9.82 | 434 | 0.71 | 0.15 | 10.1 | 0.51 | 7.95 | 12.4 | 1.48 | 39.2 | 9.12 | 69.2 | 20.5 | 71.6 | 14.3 | 118 | 22.4 | 10386 | 0.26 |
| 9 | 597 | 10.6 | 476 | 1.14 | 0.01 | 8.45 | 0.14 | 2.73 | 4.75 | 1.02 | 21.7 | 6.14 | 60.0 | 22.5 | 91.7 | 20.5 | 183 | 37.3 | 10380 | 0.52 |
| 11 | 598 | 2.13 | 1254 | 3.98 | 0.01 | 30.5 | 0.10 | 1.75 | 6.49 | 1.61 | 39.4 | 13.6 | 151 | 56.1 | 228 | 52.2 | 442 | 79.3 | 12213 | 2.12 |
| 13 | 593 | 10.0 | 620 | 1.19 | 0.04 | 9.94 | 0.43 | 6.96 | 12.8 | 1.38 | 43.5 | 10.9 | 91.8 | 30.1 | 109 | 23.3 | 195 | 37.0 | 10852 | 0.39 |
| 16 | 623 | 12.7 | 675 | 1.71 | 0.02 | 10.1 | 0.27 | 4.14 | 9.73 | 1.03 | 37.1 | 10.1 | 90.4 | 31.8 | 122 | 26.8 | 226 | 44.1 | 10996 | 0.57 |
| 17 | 650 | 10.5 | 815 | 2.79 | 0.04 | 15.5 | 0.32 | 5.36 | 10.0 | 1.68 | 45.0 | 12.4 | 117 | 38.5 | 145 | 31.0 | 258 | 47.6 | 10685 | 0.88 |
| 19 | 487 | 13.0 | 367 | 0.60 | 0.02 | 14.5 | 0.19 | 2.78 | 5.43 | 2.07 | 22.3 | 5.74 | 53.2 | 16.8 | 61.5 | 12.2 | 103 | 19.1 | 8825 | 0.15 |
| 23 | 662 | 5.69 | 1662 | 11.9 | 0.53 | 60.5 | 0.36 | 4.15 | 8.79 | 2.23 | 49.4 | 17.7 | 194 | 72.0 | 283 | 62.3 | 527 | 96.4 | 10517 | 3.80 |
| 24 | 617 | 8.18 | 1191 | 3.74 | 0.01 | 24.2 | 0.16 | 2.41 | 6.89 | 1.57 | 39.5 | 13.5 | 150 | 55.6 | 218 | 47.5 | 406 | 72.3 | 11112 | 1.43 |
| 28 | 687 | 2.62 | 1482 | 6.50 | 0.01 | 14.5 | 0.03 | 0.46 | 2.99 | 0.74 | 26.0 | 11.8 | 154 | 63.1 | 277 | 67.8 | 609 | 111 | 15580 | 4.31 |
| 30 | 498 | 6.36 | 811 | 2.73 | 0.00 | 7.52 | 0.05 | 1.18 | 4.69 | 1.58 | 30.5 | 10.5 | 111 | 37.9 | 143 | 30.2 | 257 | 48.5 | 12385 | 0.97 |
| 二云母二长花岗岩20X6-1（132.7 Ma） |
| 3 | 634 | 7.95 | 1368 | 2.17 | 0.94 | 14.3 | 0.51 | 5.11 | 9.47 | 1.41 | 45.4 | 13.7 | 138 | 42.6 | 182 | 35.3 | 323 | 57.2 | 10797 | 1.13 |
| 5 | 885 | 9.01 | 2166 | 4.29 | 0.02 | 10.4 | 0.17 | 3.56 | 9.92 | 0.92 | 54.1 | 18.9 | 202 | 64.4 | 263 | 49.0 | 431 | 74.5 | 11529 | 1.40 |
| 7 | 854 | 9.99 | 1933 | 4.12 | 0.40 | 11.1 | 0.34 | 4.28 | 9.56 | 0.85 | 50.3 | 16.7 | 184 | 58.7 | 240 | 46.4 | 413 | 69.6 | 11718 | 1.50 |
| 9 | 793 | 10.3 | 1915 | 3.30 | 0.04 | 10.0 | 0.26 | 3.99 | 10.6 | 1.03 | 54.5 | 17.6 | 189 | 59.5 | 237 | 45.4 | 396 | 66.2 | 11826 | 1.23 |
| 13 | 587 | 1.69 | 1238 | 3.31 | 0.12 | 3.98 | 0.03 | 0.64 | 2.51 | 0.29 | 21.4 | 8.73 | 109 | 37.3 | 168 | 35.6 | 346 | 57.7 | 16699 | 1.82 |
| 16 | 618 | 5.63 | 1043 | 2.43 | 0.27 | 8.80 | 0.16 | 1.64 | 3.55 | 0.57 | 19.4 | 7.11 | 88.0 | 31.0 | 144 | 31.8 | 317 | 56.0 | 12406 | 1.58 |
| 30 | 1088 | 8.27 | 2003 | 4.08 | 0.04 | 7.94 | 0.22 | 2.37 | 7.20 | 0.60 | 44.8 | 16.7 | 190 | 60.9 | 264 | 51.5 | 508 | 82.8 | 12913 | 2.11 |
| 二云母二长花岗岩20X6-1（140.4 Ma） |
| 2 | 559 | 7.56 | 1152 | 2.57 | 0.02 | 9.60 | 0.07 | 1.48 | 4.74 | 0.83 | 28.2 | 10.0 | 107 | 35.9 | 154 | 32.0 | 316 | 55.1 | 11602 | 1.52 |
| 6 | 592 | 6.65 | 850 | 0.99 | 0.05 | 10.6 | 0.15 | 2.75 | 5.56 | 1.30 | 25.6 | 8.11 | 81.7 | 26.8 | 110 | 21.8 | 206 | 37.5 | 9172 | 0.48 |
| 23 | 989 | 11.1 | 1746 | 3.09 | 0.59 | 9.75 | 0.25 | 4.61 | 8.48 | 0.76 | 47.7 | 16.0 | 174 | 54.0 | 227 | 42.3 | 397 | 66.3 | 12626 | 1.06 |
| 25 | 1228 | 10.0 | 2381 | 4.64 | 0.03 | 12.9 | 0.37 | 4.38 | 13.3 | 1.27 | 70.9 | 22.5 | 242 | 72.6 | 296 | 53.3 | 500 | 81.1 | 11967 | 1.53 |
| 27 | 1115 | 10.6 | 2175 | 5.77 | 0.84 | 18.7 | 0.45 | 5.22 | 10.1 | 1.36 | 72.5 | 21.3 | 228 | 67.6 | 275 | 51.3 | 473 | 74.9 | 11750 | 1.66 |
| 29 | 1085 | 13.9 | 2296 | 4.58 | 0.15 | 13.2 | 0.27 | 5.06 | 12.9 | 0.99 | 65.2 | 21.0 | 231 | 70.0 | 287 | 53.3 | 497 | 80.8 | 12092 | 1.50 |
| 31 | 771 | 3.28 | 1150 | 2.54 | 0.49 | 9.18 | 0.67 | 4.78 | 4.72 | 0.94 | 27.7 | 9.81 | 109 | 34.6 | 151 | 29.7 | 292 | 45.8 | 13724 | 1.52 |
| 34 | 766 | 6.07 | 1471 | 2.56 | 0.49 | 7.64 | 0.17 | 1.93 | 6.91 | 0.53 | 35.9 | 13.5 | 144 | 45.6 | 192 | 37.2 | 358 | 60.5 | 12830 | 1.24 |
| 二云母二长花岗岩20X6-1（151.1 Ma） |
| 12 | 388 | 2.00 | 894 | 2.87 | 0.01 | 14.9 | 0.05 | 1.10 | 2.54 | 0.81 | 14.6 | 5.26 | 65.2 | 25.9 | 132 | 30.2 | 323 | 66.4 | 13535 | 1.85 |
| 15 | 666 | 18.2 | 1515 | 1.86 | 0.03 | 10.4 | 0.28 | 3.71 | 6.88 | 1.62 | 30.8 | 10.2 | 129 | 47.9 | 217 | 43.6 | 405 | 74.5 | 8120 | 0.43 |
| 32 | 694 | 7.79 | 1484 | 4.42 | 0.18 | 11.5 | 0.35 | 3.12 | 5.02 | 1.00 | 28.8 | 10.6 | 123 | 43.9 | 213 | 47.1 | 514 | 86.5 | 12699 | 3.12 |
| 33 | 430 | 3.69 | 566 | 1.24 | 0.19 | 4.00 | 0.06 | 1.08 | 3.13 | 0.21 | 12.3 | 4.74 | 53.4 | 16.8 | 75.4 | 16.5 | 171 | 29.8 | 13134 | 0.90 |
| 石榴子石白云母二长花岗岩20M2-1 |
| 15 | 1341 | 0.97 | 2110 | 4.96 | 0.10 | 8.32 | 0.20 | 3.85 | 10.0 | 1.00 | 68.1 | 21.7 | 233 | 66.9 | 263 | 46.2 | 414 | 66.2 | 12585 | 1.82 |
| 11 | 876 | 4.55 | 1507 | 2.17 | 0.03 | 1.44 | 0.06 | 0.45 | 2.61 | 0.21 | 23.8 | 10.8 | 129 | 40.8 | 172 | 36.2 | 341 | 62.1 | 14328 | 2.48 |
| 电气石白云母二长花岗岩20M1 |
| 2 | 452 | 5.96 | 1047 | 5.12 | 0.09 | 23.6 | 0.11 | 1.47 | 3.31 | 1.39 | 20.3 | 7.63 | 88.8 | 31.9 | 143 | 28.5 | 273 | 49.2 | 13098 | 7.89 |
| 26 | 502 | 3.02 | 1603 | 7.47 | 0.00 | 19.8 | 0.02 | 0.55 | 2.35 | 0.90 | 22.8 | 9.33 | 125 | 49.1 | 237 | 52.6 | 525 | 98.2 | 12941 | 3.62 |
| 30 | 961 | 7.28 | 1062 | 2.54 | 0.05 | 18.1 | 0.16 | 2.95 | 7.52 | 1.08 | 40.3 | 10.3 | 111 | 32.9 | 142 | 27.4 | 272 | 46.4 | 11829 | 0.86 |
| 37 | 673 | 8.36 | 1152 | 3.94 | 0.00 | 15.3 | 0.12 | 2.64 | 6.89 | 0.93 | 37.0 | 10.8 | 117 | 35.2 | 150 | 29.2 | 278 | 47.5 | 13002 | 1.30 |
| 39 | 884 | 9.94 | 1561 | 4.73 | 0.52 | 22.4 | 0.30 | 4.76 | 9.03 | 1.34 | 52.7 | 15.9 | 162 | 49.3 | 205 | 38.3 | 353 | 56.8 | 12524 | 1.69 |
| 白云母二长花岗岩20L2-1 |
| 1 | 679 | 8.36 | 678 | 1.22 | 0.02 | 17.6 | 0.27 | 4.36 | 7.96 | 2.11 | 36.7 | 10.6 | 95.7 | 31.3 | 112 | 22.8 | 183 | 33.8 | 10758 | 0.35 |
| 3 | 559 | 6.00 | 466 | 0.82 | 0.00 | 12.2 | 0.08 | 1.77 | 4.44 | 0.68 | 22.7 | 6.57 | 64.3 | 21.7 | 80.4 | 17.1 | 145 | 27.9 | 12574 | 0.49 |
| 5 | 630 | 9.75 | 794 | 1.41 | 0.05 | 19.7 | 0.43 | 6.68 | 13.0 | 2.51 | 54.4 | 13.6 | 120 | 37.6 | 130 | 25.8 | 206 | 37.1 | 10402 | 0.50 |
| 6 | 584 | 9.39 | 852 | 1.54 | 0.04 | 18.2 | 0.51 | 7.30 | 13.7 | 1.91 | 52.2 | 13.7 | 122 | 40.8 | 145 | 29.0 | 236 | 43.3 | 11513 | 0.69 |
| 7 | 653 | 9.81 | 975 | 4.20 | 0.02 | 16.5 | 0.21 | 3.35 | 8.95 | 1.15 | 45.6 | 13.7 | 132 | 45.7 | 167 | 35.6 | 291 | 54.2 | 12413 | 1.37 |
| 9 | 370 | 1.84 | 561 | 2.68 | 0.01 | 21.8 | 0.08 | 1.11 | 2.84 | 0.88 | 16.1 | 5.43 | 59.6 | 24.5 | 110 | 27.4 | 256 | 54.2 | 12288 | 1.24 |
| 12 | 460 | 11.7 | 429 | 0.97 | 0.07 | 33.0 | 0.53 | 8.92 | 11.7 | 2.28 | 32.5 | 8.09 | 65.4 | 20.2 | 71.9 | 14.5 | 123 | 22.8 | 10926 | 0.37 |
| 15 | 652 | 8.89 | 906 | 3.18 | 0.01 | 18.2 | 0.16 | 3.00 | 7.59 | 0.93 | 35.9 | 11.8 | 120 | 41.9 | 159 | 33.4 | 271 | 49.6 | 13499 | 0.88 |
| 16 | 433 | 4.09 | 599 | 1.59 | 0.50 | 17.5 | 0.26 | 2.42 | 3.98 | 0.95 | 18.9 | 6.07 | 67.0 | 26.8 | 115 | 28.7 | 275 | 57.8 | 11986 | 0.71 |
| 17 | 518 | 8.30 | 430 | 1.34 | 0.00 | 14.5 | 0.13 | 2.13 | 5.72 | 1.01 | 22.5 | 6.15 | 58.1 | 19.9 | 78.1 | 16.8 | 149 | 28.5 | 11106 | 0.56 |
| 18 | 490 | 4.75 | 492 | 2.61 | 0.00 | 4.17 | 0.02 | 0.38 | 1.62 | 0.31 | 13.7 | 5.75 | 63.1 | 22.2 | 85.9 | 19.0 | 153 | 25.9 | 21835 | 1.73 |
| 19 | 414 | 11.7 | 385 | 0.52 | 0.03 | 9.44 | 0.21 | 4.29 | 6.31 | 1.78 | 22.1 | 5.33 | 52.3 | 18.0 | 72.5 | 15.4 | 133 | 26.5 | 9048 | 0.22 |
| 20 | 468 | 7.98 | 403 | 0.76 | 0.01 | 13.1 | 0.21 | 4.15 | 7.76 | 1.60 | 31.0 | 7.57 | 61.6 | 18.7 | 63.3 | 12.6 | 100 | 18.6 | 11104 | 0.34 |

附表3 幕阜山花岗岩锆石微量元素比值以及温度计算结果表

Table 3 Trace characteristic values and crystallization temperatures of zircon from the granites at Mufushan

| 样号 | Ce/Ce\* | Eu/Eu\* | Yb/Gd | Y/Yb | Dy/Yb | Ce/Sm | 温度T(K) | 温度T(℃) | ΣREE | LREE | HREE | LREE/HREE |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 斑状黑云母二长花岗岩20M7-2 |
| 3 | 11.2 | 0.33 | 15.1 | 2.31 | 0.25 | 8.20 | 997 | 724 | 439 | 25.1 | 413 | 0.06 |
| 5 | 58.2 | 0.20 | 11.0 | 2.73 | 0.33 | 2.80 | 1032 | 759 | 958 | 27.8 | 930 | 0.03 |
| 6 | 9.0 | 0.21 | 3.0 | 3.68 | 0.59 | 0.81 | 1067 | 794 | 397 | 32.6 | 364 | 0.09 |
| 9 | 63.9 | 0.31 | 8.5 | 2.60 | 0.33 | 1.78 | 1076 | 803 | 460 | 17.1 | 443 | 0.04 |
| 11 | 199.7 | 0.31 | 11.2 | 2.84 | 0.34 | 4.70 | 930 | 657 | 1102 | 40.5 | 1062 | 0.04 |
| 13 | 18.7 | 0.18 | 4.5 | 3.19 | 0.47 | 0.78 | 1069 | 796 | 572 | 31.6 | 540 | 0.06 |
| 16 | 33.3 | 0.17 | 6.1 | 2.99 | 0.40 | 1.04 | 1094 | 821 | 614 | 25.3 | 588 | 0.04 |
| 17 | 32.1 | 0.24 | 5.7 | 3.16 | 0.45 | 1.55 | 1075 | 802 | 727 | 32.9 | 694 | 0.05 |
| 19 | 62.9 | 0.57 | 4.6 | 3.56 | 0.52 | 2.67 | 1097 | 824 | 319 | 25.0 | 294 | 0.09 |
| 23 | 33.8 | 0.33 | 10.7 | 3.15 | 0.37 | 6.88 | 1014 | 741 | 1378 | 76.5 | 1302 | 0.06 |
| 24 | 128.4 | 0.29 | 10.3 | 2.93 | 0.37 | 3.52 | 1049 | 776 | 1038 | 35.3 | 1003 | 0.04 |
| 28 | 205.8 | 0.26 | 23.4 | 2.43 | 0.25 | 4.85 | 947 | 674 | 1338 | 18.7 | 1320 | 0.01 |
| 30 | 136.3 | 0.40 | 8.4 | 3.16 | 0.43 | 1.60 | 1024 | 751 | 683 | 15.0 | 668 | 0.02 |
| 二云母二长花岗岩20X6-1（132.7 Ma） |
| 3 | 5.1 | 0.21 | 7.1 | 4.23 | 0.43 | 1.51 | 1046 | 773 | 869 | 31.8 | 838 | 0.04 |
| 5 | 42.2 | 0.12 | 8.0 | 5.02 | 0.47 | 1.05 | 1059 | 786 | 1182 | 25.0 | 1157 | 0.02 |
| 7 | 7.4 | 0.12 | 8.2 | 4.68 | 0.44 | 1.17 | 1069 | 796 | 1105 | 26.6 | 1079 | 0.02 |
| 9 | 24.0 | 0.13 | 7.3 | 4.84 | 0.48 | 0.94 | 1072 | 799 | 1091 | 26.0 | 1065 | 0.02 |
| 13 | 15.6 | 0.12 | 16.2 | 3.58 | 0.31 | 1.58 | 912 | 639 | 791 | 7.6 | 784 | 0.01 |
| 16 | 10.4 | 0.21 | 16.4 | 3.29 | 0.28 | 2.48 | 1013 | 740 | 709 | 15.0 | 694 | 0.02 |
| 30 | 21.5 | 0.10 | 11.4 | 3.94 | 0.37 | 1.10 | 1050 | 777 | 1237 | 18.4 | 1219 | 0.02 |
| 二云母二长花岗岩20X6-1（140.4 Ma） |
| 2 | 61.1 | 0.22 | 11.2 | 3.64 | 0.34 | 2.03 | 1041 | 768 | 756 | 16.7 | 739 | 0.02 |
| 6 | 30.5 | 0.33 | 8.0 | 4.13 | 0.40 | 1.90 | 1029 | 756 | 538 | 20.4 | 518 | 0.04 |
| 23 | 6.2 | 0.12 | 8.3 | 4.40 | 0.44 | 1.15 | 1080 | 807 | 1048 | 24.4 | 1024 | 0.02 |
| 25 | 28.3 | 0.13 | 7.0 | 4.77 | 0.48 | 0.97 | 1070 | 797 | 1370 | 32.3 | 1338 | 0.02 |
| 27 | 7.4 | 0.15 | 6.5 | 4.60 | 0.48 | 1.84 | 1076 | 803 | 1300 | 36.7 | 1263 | 0.03 |
| 29 | 15.8 | 0.10 | 7.6 | 4.62 | 0.46 | 1.03 | 1104 | 831 | 1338 | 32.5 | 1305 | 0.02 |
| 31 | 3.9 | 0.25 | 10.5 | 3.94 | 0.37 | 1.95 | 965 | 692 | 720 | 20.8 | 699 | 0.03 |
| 34 | 6.4 | 0.10 | 10.0 | 4.11 | 0.40 | 1.11 | 1020 | 747 | 905 | 17.7 | 887 | 0.02 |
| 二云母二长花岗岩20X6-1（151.1 Ma） |
| 12 | 170.0 | 0.40 | 22.1 | 2.76 | 0.20 | 5.89 | 925 | 652 | 682 | 19.5 | 663 | 0.03 |
| 15 | 29.7 | 0.34 | 13.1 | 3.74 | 0.32 | 1.51 | 1135 | 862 | 981 | 22.9 | 958 | 0.02 |
| 32 | 11.1 | 0.25 | 17.9 | 2.89 | 0.24 | 2.29 | 1044 | 771 | 1088 | 21.2 | 1067 | 0.02 |
| 33 | 8.9 | 0.11 | 13.9 | 3.32 | 0.31 | 1.28 | 975 | 702 | 388 | 8.7 | 380 | 0.02 |
| 石榴石白云母二长花岗岩20M2-1 |
| 15 | 14.8 | 0.12 | 6.1 | 5.10 | 0.56 | 0.83 | 872 | 599 | 1202 | 23.5 | 1179 | 0.02 |
| 11 | 7.8 | 0.08 | 14.3 | 4.42 | 0.38 | 0.55 | 994 | 721 | 821 | 4.8 | 816 | 0.01 |
| 电气石白云母二长花岗岩20M1 |
| 2 | 58.4 | 0.52 | 13.4 | 3.83 | 0.33 | 7.12 | 1018 | 745 | 672 | 29.9 | 642 | 0.05 |
| 26 |  | 0.38 | 23.0 | 3.06 | 0.24 | 8.42 | 958 | 685 | 1143 | 23.6 | 1120 | 0.02 |
| 30 | 49.0 | 0.19 | 6.7 | 3.91 | 0.41 | 2.41 | 1037 | 764 | 712 | 29.9 | 682 | 0.04 |
| 37 |  | 0.18 | 7.5 | 4.15 | 0.42 | 2.22 | 1051 | 778 | 730 | 25.9 | 705 | 0.04 |
| 39 | 13.8 | 0.19 | 6.7 | 4.43 | 0.46 | 2.48 | 1069 | 796 | 971 | 38.4 | 933 | 0.04 |
| 白云母二长花岗岩20L2-1 |
| 1 | 60.2 | 0.38 | 5.0 | 3.70 | 0.52 | 2.21 | 1051 | 778 | 558 | 32.3 | 526 | 0.06 |
| 3 | 175.4 | 0.21 | 6.4 | 3.20 | 0.44 | 2.75 | 1019 | 746 | 405 | 19.2 | 386 | 0.05 |
| 5 | 33.1 | 0.29 | 3.8 | 3.85 | 0.58 | 1.52 | 1067 | 794 | 667 | 42.3 | 625 | 0.07 |
| 6 | 30.3 | 0.22 | 4.5 | 3.61 | 0.52 | 1.33 | 1063 | 790 | 724 | 41.6 | 682 | 0.06 |
| 7 | 56.7 | 0.17 | 6.4 | 3.36 | 0.45 | 1.85 | 1067 | 794 | 815 | 30.2 | 784 | 0.04 |
| 9 | 187.5 | 0.40 | 16.0 | 2.19 | 0.23 | 7.67 | 919 | 646 | 580 | 26.7 | 553 | 0.05 |
| 12 | 43.4 | 0.36 | 3.8 | 3.48 | 0.53 | 2.82 | 1085 | 812 | 415 | 56.5 | 359 | 0.16 |
| 15 | 138.4 | 0.17 | 7.6 | 3.34 | 0.44 | 2.40 | 1057 | 784 | 753 | 29.9 | 723 | 0.04 |
| 16 | 11.8 | 0.33 | 14.6 | 2.18 | 0.24 | 4.39 | 984 | 711 | 622 | 25.6 | 596 | 0.04 |
| 17 | 172.1 | 0.27 | 6.6 | 2.89 | 0.39 | 2.53 | 1050 | 777 | 402 | 23.5 | 379 | 0.06 |
| 18 |  | 0.20 | 11.2 | 3.21 | 0.41 | 2.57 | 997 | 724 | 395 | 6.5 | 389 | 0.02 |
| 19 | 29.7 | 0.46 | 6.0 | 2.90 | 0.39 | 1.50 | 1086 | 813 | 367 | 22.1 | 345 | 0.06 |
| 20 | 65.9 | 0.32 | 3.2 | 4.02 | 0.61 | 1.69 | 1046 | 773 | 341 | 26.9 | 314 | 0.09 |