附表1样品主量元素含量（%）

Appendix.1 Content of major elements in sample (%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SiO2 | TiO2 | Al2O3 | TFe2O3 | MnO | MgO | CaO | Na2O | K2O | P2O5 | LOI | BaO | SrO | Total |
| 19LR58-1 | 71.00 | 0.20 | 16.17 | 1.50 | 0.03 | 0.31 | 2.36 | 4.91 | 2.87 | 0.05 | 0.57 | 0.24 | 0.17 | 100.38 |
| 19LR58-2 | 48.90 | 0.68 | 13.61 | 12.64 | 0.23 | 7.33 | 11.02 | 3.11 | 1.07 | 0.08 | 0.72 | 0.02 | 0.03 | 99.43 |

附表2样品微量元素含量

Appendix.2 Content of trace elements in sample (%)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Cr(ppm) | Cu(ppm) | Ba(ppm) | Ni(ppm) | Sr(ppm) | V(ppm) | Zr(ppm) | Zn(ppm) |
| 19LR58-1 | 6 | 15.6 | 2057.7 | -4.2 | 1424 | 10.9 | 124.2 | 46.7 |
| 19LR58-2 | 145 | 8.9 | 135.6 | 73.4 | 233.1 | 234.9 | 43 | 108.9 |

附表3 样品锆石U-Pb分析定年结果

Appendix.3 Zircon U-Pb dating of samples

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 样品编号 | Pb  （\*10-6） | Th（\*10-6） | U  （\*10-6） | Th/U | 207Pb/235U | ±1σ | 206Pb/238U | ±1σ | 207Pb/206Pb | ±1σ | 207Pb/235U (Ma) | ±1σ | 206Pb/238U (Ma) | ±1σ | 207Pb/206Pb (Ma) | ±1σ | >1200 | <1200 |
| 19LR58-1#1 | 1.43 | 23.5 | 1302 | 0.02 | 0.1176 | 0.0026 | 0.01732 | 0.00023 | 0.04896 | 0.00082 | 113 | 2.3 | 111 | 1.5 | 140 | 38 | 126.47 | 101.90 |
| 19LR58-1#3 | 1.75 | 28.89 | 1711 | 0.02 | 0.1305 | 0.0025 | 0.01902 | 0.00029 | 0.04927 | 0.00077 | 125 | 2.2 | 122 | 1.9 | 155 | 35 | 127.57 | 102.47 |
| 19LR58-1#4 | 10.68 | 145.4 | 1526 | 0.10 | 0.1293 | 0.0028 | 0.01891 | 0.00034 | 0.04928 | 0.00085 | 123 | 2.5 | 121 | 2.1 | 155 | 39 | 128.42 | 102.24 |
| 19LR58-1#5 | 1.69 | 23.99 | 1279 | 0.02 | 0.1267 | 0.0023 | 0.01857 | 0.00031 | 0.04912 | 0.00085 | 121 | 2.1 | 119 | 2 | 146 | 38 | 123.10 | 102.11 |
| 19LR58-1#6 | 1.32 | 17.74 | 671 | 0.03 | 0.154 | 0.0031 | 0.02286 | 0.00036 | 0.0489 | 0.00078 | 145 | 2.8 | 146 | 2.3 | 135 | 35 | 92.66 | 99.73 |
| 19LR58-1#7 | 0.59 | 7.96 | 690 | 0.01 | 0.1534 | 0.0048 | 0.02268 | 0.00036 | 0.0489 | 0.0014 | 145 | 4.3 | 145 | 2.3 | 135 | 63 | 93.36 | 100.07 |
| 19LR58-1#9 | 0.95 | 14.15 | 677 | 0.02 | 0.1504 | 0.0033 | 0.02247 | 0.00046 | 0.04857 | 0.0008 | 142 | 2.9 | 143 | 2.9 | 124 | 37 | 86.59 | 99.23 |
| 19LR58-1#10 | 5.42 | 26.02 | 1542 | 0.02 | 0.1359 | 0.0029 | 0.01858 | 0.00038 | 0.05291 | 0.00092 | 129 | 2.6 | 119 | 2.4 | 308 | 39 | 259.48 | 108.85 |
| 19LR58-1#11 | 1.47 | 22.59 | 1390 | 0.02 | 0.1225 | 0.0044 | 0.01803 | 0.00059 | 0.0493 | 0.001 | 117 | 3.9 | 115 | 3.7 | 153 | 46 | 132.81 | 101.74 |
| 19LR58-1#12 | 2.21 | 32.39 | 1905 | 0.02 | 0.122 | 0.0034 | 0.0179 | 0.00052 | 0.04953 | 0.00087 | 117 | 3.1 | 114 | 3.3 | 165 | 39 | 144.36 | 102.19 |

续附表3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19LR58-1#13 | 7.5 | 75 | 1806 | 0.04 | 0.1352 | 0.003 | 0.01863 | 0.00039 | 0.05272 | 0.00088 | 129 | 2.7 | 119 | 2.5 | 306 | 39 | 257.36 | 108.16 |
| 19LR58-1#14 | 126.4 | 2115 | 4820 | 0.44 | 0.1428 | 0.0038 | 0.01921 | 0.00044 | 0.05366 | 0.00096 | 135 | 3.4 | 123 | 2.8 | 343 | 40 | 279.54 | 110.27 |
| 19LR58-1#15 | 1.35 | 18.76 | 1706 | 0.01 | 0.1256 | 0.003 | 0.01878 | 0.00043 | 0.04882 | 0.00085 | 120 | 2.7 | 120 | 2.7 | 131 | 38 | 109.26 | 100.08 |
| 19LR58-1#16 | 17.24 | 234.9 | 1869 | 0.13 | 0.1309 | 0.0027 | 0.01907 | 0.00039 | 0.04989 | 0.00072 | 125 | 2.5 | 122 | 2.5 | 181 | 33 | 148.60 | 102.71 |
| 19LR58-1#19 | 0.81 | 11 | 1110 | 0.01 | 0.1336 | 0.0037 | 0.01968 | 0.00055 | 0.04923 | 0.00075 | 128 | 3.4 | 126 | 3.4 | 150 | 34 | 119.43 | 101.51 |
| 19LR58-1#20 | 6.48 | 61.5 | 2045 | 0.03 | 0.1427 | 0.0029 | 0.01971 | 0.00041 | 0.05279 | 0.00094 | 135 | 2.6 | 126 | 2.6 | 303 | 40 | 240.86 | 107.55 |
| 19LR58-2#1 | 100.7 | 127.3 | 226.2 | 0.56 | 4.482 | 0.096 | 0.2902 | 0.006 | 0.1111 | 0.0017 | 1723 | 18 | 1644 | 31 | 1807 | 28 | 109.91 | 104.81 |
| 19LR58-2#3 | 91.2 | 119.9 | 170.7 | 0.70 | 4.11 | 0.08 | 0.2711 | 0.0051 | 0.1093 | 0.0016 | 1653 | 17 | 1548 | 25 | 1783 | 28 | 115.18 | 106.78 |
| 19LR58-2#4 | 111.7 | 133.3 | 309.1 | 0.43 | 4.669 | 0.095 | 0.3036 | 0.0058 | 0.1116 | 0.0017 | 1758 | 17 | 1707 | 29 | 1815 | 27 | 106.33 | 102.99 |
| 19LR58-2#5 | 152 | 212.6 | 241.5 | 0.88 | 4.353 | 0.08 | 0.2844 | 0.005 | 0.1114 | 0.0014 | 1699 | 16 | 1612 | 25 | 1817 | 23 | 112.72 | 105.40 |
| 19LR58-2#6 | 179 | 225.6 | 415 | 0.54 | 4.712 | 0.095 | 0.3052 | 0.0061 | 0.1122 | 0.0015 | 1768 | 17 | 1714 | 30 | 1829 | 25 | 106.71 | 103.15 |
| 19LR58-2#7 | 95.5 | 128.3 | 272.7 | 0.47 | 4.386 | 0.085 | 0.2906 | 0.0057 | 0.1094 | 0.0016 | 1705 | 16 | 1642 | 29 | 1778 | 28 | 108.28 | 103.84 |
| 19LR58-2#8 | 444 | 588 | 426 | 1.38 | 4.871 | 0.071 | 0.3175 | 0.0041 | 0.1121 | 0.0013 | 1796 | 12 | 1776 | 20 | 1829 | 21 | 102.98 | 101.13 |
| 19LR58-2#9 | 94.3 | 124.3 | 289 | 0.43 | 4.679 | 0.087 | 0.308 | 0.0065 | 0.1108 | 0.0015 | 1767 | 16 | 1732 | 31 | 1810 | 26 | 104.50 | 102.02 |
| 19LR58-2#10 | 65.6 | 90.6 | 182.1 | 0.50 | 4.609 | 0.091 | 0.3022 | 0.0056 | 0.1109 | 0.0017 | 1746 | 16 | 1703 | 29 | 1807 | 28 | 106.11 | 102.52 |
| 19LR58-2#11 | 59.7 | 82.5 | 172.3 | 0.48 | 4.81 | 0.1 | 0.3093 | 0.006 | 0.1128 | 0.0018 | 1783 | 17 | 1735 | 29 | 1833 | 28 | 105.65 | 102.77 |
| 19LR58-2#12 | 49.6 | 66.8 | 172.7 | 0.39 | 4.83 | 0.1 | 0.316 | 0.0063 | 0.1111 | 0.0015 | 1789 | 17 | 1767 | 31 | 1809 | 25 | 102.38 | 101.25 |
| 19LR58-2#13 | 36.3 | 47.8 | 92.6 | 0.52 | 4.711 | 0.098 | 0.3106 | 0.0054 | 0.1097 | 0.0016 | 1766 | 17 | 1742 | 26 | 1787 | 27 | 102.58 | 101.38 |
| 19LR58-2#14 | 41.7 | 54.7 | 155.6 | 0.35 | 4.9 | 0.087 | 0.3151 | 0.0059 | 0.1118 | 0.0015 | 1798 | 15 | 1763 | 29 | 1824 | 24 | 103.46 | 101.99 |
| 19LR58-2#15 | 146.3 | 184.1 | 238.3 | 0.77 | 4.839 | 0.077 | 0.3165 | 0.0052 | 0.111 | 0.0011 | 1790 | 13 | 1770 | 26 | 1815 | 19 | 102.54 | 101.13 |
| 19LR58-2#16 | 37.7 | 48.9 | 101.9 | 0.48 | 4.952 | 0.073 | 0.321 | 0.0037 | 0.1114 | 0.0012 | 1812 | 12 | 1793 | 18 | 1821 | 20 | 101.56 | 101.06 |
| 19LR58-2#17 | 34.3 | 43.63 | 78.8 | 0.55 | 4.722 | 0.07 | 0.3083 | 0.0045 | 0.1108 | 0.0014 | 1772 | 12 | 1731 | 22 | 1807 | 23 | 104.39 | 102.37 |
| 19LR58-2#18 | 29.4 | 38.9 | 87.2 | 0.45 | 4.858 | 0.062 | 0.3157 | 0.0038 | 0.11126 | 0.00096 | 1793 | 11 | 1767 | 19 | 1816 | 16 | 102.77 | 101.47 |
| 19LR58-2#19 | 37.3 | 52.1 | 86.6 | 0.60 | 4.516 | 0.05 | 0.2971 | 0.0032 | 0.1104 | 0.0011 | 1732 | 9.3 | 1676 | 16 | 1804 | 18 | 107.64 | 103.36 |
| 19LR58-2#20 | 13.04 | 16.56 | 99.1 | 0.17 | 5.015 | 0.06 | 0.3214 | 0.0032 | 0.1135 | 0.001 | 1820 | 10 | 1796 | 16 | 1851 | 16 | 103.06 | 101.34 |

附表4 样品锆石微区原位Lu-Hf同位素比值

Appendix.4 In-situ Lu-Hf isotope ratio analysis of sample zircon micro-area

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample No. | t (Ma) | 176Yb/177Hf | 176Lu/177Hf | 176Hf/177Hf | 176Hf/177Hf(c) | 2sm | 176Hf/177Hfi | 176Hf/177Hfi(DM) | eHf() | εHf(t) | 2s | TDM1(Hf) | TDMC | fLu/Hf |
| 19LR58-1-01 | 111 | 0.022371 | 0.000618 | 0.281965 | 0.281963 | 0.000014 | 0.281962 | 0.283171 | -28.6 | -26.2 | 0.5 | 1794 | 2809 | -0.98 |
| 19LR58-1-02 | 132 | 0.065893 | 0.001684 | 0.282018 | 0.282016 | 0.000013 | 0.282012 | 0.283155 | -26.7 | -24.0 | 0.5 | 1770 | 2687 | -0.95 |
| 19LR58-1-03 | 122 | 0.027898 | 0.000691 | 0.281939 | 0.281937 | 0.000011 | 0.281936 | 0.283163 | -29.5 | -26.9 | 0.4 | 1833 | 2859 | -0.98 |
| 19LR58-1-04 | 121 | 0.029554 | 0.000909 | 0.282234 | 0.282232 | 0.000013 | 0.282230 | 0.283163 | -19.1 | -16.5 | 0.5 | 1434 | 2215 | -0.97 |
| 19LR58-1-05 | 119 | 0.033939 | 0.000938 | 0.281939 | 0.281937 | 0.000010 | 0.281935 | 0.283165 | -29.5 | -27.0 | 0.4 | 1844 | 2861 | -0.97 |
| 19LR58-1-06 | 146 | 0.027309 | 0.000786 | 0.281963 | 0.281961 | 0.000011 | 0.281959 | 0.283145 | -28.7 | -25.6 | 0.4 | 1805 | 2795 | -0.98 |
| 19LR58-1-07 | 145 | 0.013088 | 0.000358 | 0.281961 | 0.281959 | 0.000011 | 0.281958 | 0.283146 | -28.8 | -25.6 | 0.4 | 1788 | 2798 | -0.99 |
| 19LR58-1-08 | 134 | 0.027781 | 0.000710 | 0.281956 | 0.281954 | 0.000011 | 0.281953 | 0.283154 | -28.9 | -26.0 | 0.4 | 1810 | 2815 | -0.98 |
| 19LR58-1-09 | 143 | 0.024922 | 0.000686 | 0.281949 | 0.281947 | 0.000011 | 0.281945 | 0.283147 | -29.2 | -26.1 | 0.4 | 1819 | 2826 | -0.98 |
| 19LR58-1-10 | 119 | 0.094797 | 0.002408 | 0.282006 | 0.282004 | 0.000015 | 0.281998 | 0.283165 | -27.2 | -24.8 | 0.5 | 1823 | 2725 | -0.93 |
| 19LR58-1-11 | 115 | 0.037078 | 0.001096 | 0.281995 | 0.281993 | 0.000015 | 0.281991 | 0.283167 | -27.5 | -25.1 | 0.5 | 1775 | 2743 | -0.97 |
| 19LR58-1-12 | 114 | 0.060838 | 0.001634 | 0.281922 | 0.281920 | 0.000015 | 0.281917 | 0.283168 | -30.1 | -27.7 | 0.5 | 1903 | 2905 | -0.95 |
| 19LR58-1-13 | 119 | 0.041700 | 0.001040 | 0.282001 | 0.281999 | 0.000014 | 0.281997 | 0.283165 | -27.3 | -24.8 | 0.5 | 1764 | 2727 | -0.97 |
| 19LR58-1-14 | 123 | 0.106971 | 0.002677 | 0.282021 | 0.282019 | 0.000012 | 0.282013 | 0.283162 | -26.6 | -24.2 | 0.4 | 1815 | 2690 | -0.92 |
| 19LR58-1-15 | 120 | 0.025897 | 0.000650 | 0.281939 | 0.281937 | 0.000010 | 0.281936 | 0.283164 | -29.5 | -27.0 | 0.3 | 1831 | 2860 | -0.98 |
| 19LR58-1-16 | 122 | 0.035133 | 0.000910 | 0.281995 | 0.281993 | 0.000012 | 0.281991 | 0.283163 | -27.5 | -24.9 | 0.4 | 1766 | 2738 | -0.97 |
| 19LR58-1-17 | 116 | 0.031898 | 0.000892 | 0.281942 | 0.281940 | 0.000011 | 0.281938 | 0.283167 | -29.4 | -27.0 | 0.4 | 1839 | 2857 | -0.97 |
| 19LR58-1-18 | 163 | 0.053508 | 0.001695 | 0.282250 | 0.282248 | 0.000014 | 0.282242 | 0.283133 | -18.5 | -15.1 | 0.5 | 1443 | 2163 | -0.95 |
| 19LR58-1-19 | 126 | 0.013026 | 0.000329 | 0.281947 | 0.281945 | 0.000011 | 0.281944 | 0.283160 | -29.3 | -26.5 | 0.4 | 1805 | 2839 | -0.99 |
| 19LR58-1-20 | 126 | 0.027365 | 0.000771 | 0.281936 | 0.281934 | 0.000013 | 0.281932 | 0.283160 | -29.7 | -27.0 | 0.4 | 1842 | 2865 | -0.98 |
| 19LR58-2-01 | 1840 | 0.021374 | 0.000643 | 0.281693 | 0.281691 | 0.000013 | 0.281669 | 0.281908 | -38.2 | 2.0 | 0.5 | 2167 | 2385 | -0.98 |
| 19LR58-2-02 | 1783 | 0.012944 | 0.000393 | 0.281769 | 0.281767 | 0.000012 | 0.281753 | 0.281950 | -35.5 | 3.7 | 0.4 | 2051 | 2231 | -0.99 |
| 19LR58-2-03 | 1783 | 0.014601 | 0.000430 | 0.281678 | 0.281676 | 0.000013 | 0.281661 | 0.281950 | -38.8 | 0.5 | 0.5 | 2176 | 2440 | -0.99 |

续附表4

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19LR58-2-04 | 1815 | 0.009597 | 0.000296 | 0.281757 | 0.281755 | 0.000012 | 0.281745 | 0.281926 | -36.0 | 4.2 | 0.4 | 2062 | 2230 | -0.99 |
| 19LR58-2-05 | 1817 | 0.020869 | 0.000605 | 0.281766 | 0.281764 | 0.000013 | 0.281743 | 0.281925 | -35.6 | 4.1 | 0.5 | 2066 | 2232 | -0.98 |
| 19LR58-2-06 | 1829 | 0.015224 | 0.000468 | 0.281759 | 0.281757 | 0.000013 | 0.281740 | 0.281916 | -35.9 | 4.3 | 0.5 | 2068 | 2230 | -0.99 |
| 19LR58-2-07 | 1778 | 0.012527 | 0.000380 | 0.281774 | 0.281772 | 0.000012 | 0.281760 | 0.281954 | -35.4 | 3.8 | 0.4 | 2042 | 2221 | -0.99 |
| 19LR58-2-08 | 1829 | 0.014568 | 0.000412 | 0.281770 | 0.281768 | 0.000013 | 0.281753 | 0.281916 | -35.5 | 4.8 | 0.5 | 2050 | 2200 | -0.99 |
| 19LR58-2-09 | 1810 | 0.019783 | 0.000595 | 0.281771 | 0.281769 | 0.000013 | 0.281749 | 0.281930 | -35.5 | 4.2 | 0.5 | 2058 | 2223 | -0.98 |
| 19LR58-2-10 | 1807 | 0.014735 | 0.000452 | 0.281704 | 0.281702 | 0.000012 | 0.281686 | 0.281932 | -37.9 | 1.9 | 0.4 | 2142 | 2368 | -0.99 |
| 19LR58-2-11 | 1833 | 0.011646 | 0.000355 | 0.281768 | 0.281766 | 0.000013 | 0.281754 | 0.281913 | -35.6 | 4.9 | 0.5 | 2050 | 2197 | -0.99 |
| 19LR58-2-12 | 1809 | 0.019356 | 0.000576 | 0.281770 | 0.281768 | 0.000014 | 0.281748 | 0.281931 | -35.5 | 4.1 | 0.5 | 2059 | 2227 | -0.98 |
| 19LR58-2-13 | 1787 | 0.017089 | 0.000505 | 0.281683 | 0.281681 | 0.000013 | 0.281664 | 0.281947 | -38.6 | 0.7 | 0.5 | 2173 | 2431 | -0.98 |
| 19LR58-2-14 | 1824 | 0.019430 | 0.000577 | 0.281769 | 0.281767 | 0.000012 | 0.281747 | 0.281920 | -35.5 | 4.4 | 0.4 | 2060 | 2218 | -0.98 |
| 19LR58-2-15 | 1815 | 0.026200 | 0.000741 | 0.281781 | 0.281779 | 0.000011 | 0.281753 | 0.281926 | -35.1 | 4.4 | 0.4 | 2053 | 2211 | -0.98 |
| 19LR58-2-16 | 1821 | 0.019194 | 0.000573 | 0.281680 | 0.281678 | 0.000011 | 0.281658 | 0.281922 | -38.7 | 1.2 | 0.4 | 2181 | 2421 | -0.98 |
| 19LR58-2-17 | 1807 | 0.011606 | 0.000344 | 0.281688 | 0.281686 | 0.000011 | 0.281674 | 0.281932 | -38.4 | 1.5 | 0.4 | 2157 | 2395 | -0.99 |
| 19LR58-2-18 | 1816 | 0.015499 | 0.000463 | 0.281790 | 0.281788 | 0.000013 | 0.281772 | 0.281926 | -34.8 | 5.1 | 0.5 | 2026 | 2167 | -0.99 |
| 19LR58-2-19 | 1804 | 0.009079 | 0.000266 | 0.281676 | 0.281674 | 0.000013 | 0.281665 | 0.281935 | -38.8 | 1.1 | 0.5 | 2170 | 2419 | -0.99 |
| 19LR58-2-20 | 1851 | 0.002743 | 0.000070 | 0.281733 | 0.281731 | 0.000013 | 0.281728 | 0.281900 | -36.8 | 4.4 | 0.4 | 2082 | 2242 | -1.00 |
| 19LR39-1-01 | 1723 | 0.024367 | 0.000747 | 0.281827 | 0.281825 | 0.000016 | 0.281800 | 0.281995 | -33.5 | 4.0 | 0.6 | 1990 | 2166 | -0.98 |
| 19LR39-1-02 | 1723 | 0.138213 | 0.003905 | 0.281940 | 0.281938 | 0.000017 | 0.281811 | 0.281995 | -29.5 | 4.4 | 0.6 | 1999 | 2143 | -0.88 |
| 19LR39-1-04 | 1723 | 0.051170 | 0.001529 | 0.281848 | 0.281846 | 0.000015 | 0.281796 | 0.281995 | -32.7 | 3.9 | 0.5 | 2001 | 2175 | -0.95 |
| 19LR39-1-10 | 1723 | 0.122016 | 0.003320 | 0.281908 | 0.281906 | 0.000016 | 0.281798 | 0.281995 | -30.6 | 4.0 | 0.6 | 2013 | 2171 | -0.90 |
| 19LR39-1-13 | 1723 | 0.144769 | 0.004064 | 0.281926 | 0.281924 | 0.000017 | 0.281791 | 0.281995 | -30.0 | 3.7 | 0.6 | 2030 | 2187 | -0.88 |
| 19LR39-1-16 | 1723 | 0.137556 | 0.003609 | 0.281911 | 0.281909 | 0.000017 | 0.281791 | 0.281995 | -30.5 | 3.7 | 0.6 | 2025 | 2186 | -0.89 |
| 19LR39-1-18 | 1723 | 0.092446 | 0.002512 | 0.281879 | 0.281877 | 0.000015 | 0.281795 | 0.281995 | -31.7 | 3.8 | 0.5 | 2011 | 2179 | -0.92 |

续附表4

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19LR39-2-01 | 127 | 0.029800 | 0.000955 | 0.281967 | 0.281965 | 0.000010 | 0.281963 | 0.283159 | -28.5 | -25.8 | 0.4 | 1807 | 2797 | -0.97 |
| 19LR39-2-02 | 118 | 0.020049 | 0.000684 | 0.281966 | 0.281964 | 0.000011 | 0.281962 | 0.283166 | -28.6 | -26.1 | 0.4 | 1796 | 2804 | -0.98 |
| 19LR39-2-03 | 123 | 0.035964 | 0.001364 | 0.281943 | 0.281941 | 0.000010 | 0.281938 | 0.283162 | -29.4 | -26.8 | 0.4 | 1860 | 2853 | -0.96 |
| 19LR39-2-04 | 127 | 0.093232 | 0.002711 | 0.281935 | 0.281933 | 0.000014 | 0.281927 | 0.283159 | -29.7 | -27.1 | 0.5 | 1941 | 2876 | -0.92 |
| 19LR39-2-05 | 124 | 0.066744 | 0.002304 | 0.281966 | 0.281964 | 0.000012 | 0.281959 | 0.283161 | -28.6 | -26.0 | 0.4 | 1875 | 2807 | -0.93 |
| 19LR39-2-06 | 125 | 0.083114 | 0.002456 | 0.281964 | 0.281962 | 0.000012 | 0.281956 | 0.283160 | -28.7 | -26.1 | 0.4 | 1886 | 2813 | -0.93 |
| 19LR39-2-07 | 122 | 0.058383 | 0.001823 | 0.281951 | 0.281949 | 0.000011 | 0.281945 | 0.283163 | -29.1 | -26.6 | 0.4 | 1872 | 2839 | -0.95 |
| 19LR39-2-08 | 126 | 0.014552 | 0.000520 | 0.281962 | 0.281960 | 0.000009 | 0.281959 | 0.283160 | -28.7 | -26.0 | 0.3 | 1794 | 2806 | -0.98 |
| 19LR39-2-09 | 130 | 0.053693 | 0.001621 | 0.281950 | 0.281948 | 0.000010 | 0.281944 | 0.283157 | -29.1 | -26.4 | 0.4 | 1863 | 2836 | -0.95 |
| 19LR39-2-10 | 129 | 0.056479 | 0.001760 | 0.281963 | 0.281961 | 0.000010 | 0.281957 | 0.283157 | -28.7 | -26.0 | 0.4 | 1852 | 2809 | -0.95 |
| 19LR39-2-11 | 121 | 0.025212 | 0.000849 | 0.281972 | 0.281970 | 0.000011 | 0.281968 | 0.283164 | -28.4 | -25.8 | 0.4 | 1795 | 2789 | -0.97 |
| 19LR39-2-12 | 121 | 0.036000 | 0.001173 | 0.281976 | 0.281974 | 0.000011 | 0.281972 | 0.283163 | -28.2 | -25.7 | 0.4 | 1805 | 2781 | -0.96 |
| 19LR39-2-13 | 121 | 0.020549 | 0.000729 | 0.281968 | 0.281966 | 0.000010 | 0.281965 | 0.283163 | -28.5 | -25.9 | 0.4 | 1795 | 2797 | -0.98 |
| 19LR39-2-14 | 128 | 0.051430 | 0.001830 | 0.281970 | 0.281968 | 0.000011 | 0.281963 | 0.283158 | -28.4 | -25.8 | 0.4 | 1846 | 2796 | -0.94 |
| 19LR39-2-15 | 129 | 0.032659 | 0.001017 | 0.281976 | 0.281974 | 0.000010 | 0.281972 | 0.283157 | -28.2 | -25.5 | 0.4 | 1797 | 2776 | -0.97 |
| 19LR39-2-16 | 128 | 0.034227 | 0.001054 | 0.281970 | 0.281968 | 0.000009 | 0.281965 | 0.283158 | -28.4 | -25.7 | 0.3 | 1808 | 2792 | -0.97 |
| 19LR39-2-17 | 124 | 0.033716 | 0.001178 | 0.281962 | 0.281960 | 0.000009 | 0.281957 | 0.283161 | -28.7 | -26.1 | 0.3 | 1825 | 2811 | -0.96 |
| 19LR39-2-18 | 122 | 0.025091 | 0.000948 | 0.281963 | 0.281961 | 0.000009 | 0.281959 | 0.283163 | -28.7 | -26.1 | 0.3 | 1812 | 2808 | -0.97 |
| 19LR39-2-19 | 127 | 0.054600 | 0.002119 | 0.281957 | 0.281955 | 0.000010 | 0.281950 | 0.283159 | -28.9 | -26.3 | 0.3 | 1878 | 2824 | -0.94 |
| 19LR39-2-20 | 128 | 0.021744 | 0.000670 | 0.281976 | 0.281974 | 0.000010 | 0.281972 | 0.283158 | -28.2 | -25.5 | 0.4 | 1781 | 2775 | -0.98 |
| 19LR39-2-21 | 128 | 0.018655 | 0.000611 | 0.281986 | 0.281984 | 0.000011 | 0.281983 | 0.283158 | -27.9 | -25.1 | 0.4 | 1764 | 2752 | -0.98 |
| 19LR39-2-22 | 127 | 0.027160 | 0.000962 | 0.281965 | 0.281963 | 0.000012 | 0.281961 | 0.283159 | -28.6 | -25.9 | 0.4 | 1811 | 2802 | -0.97 |
| 19LR39-2-23 | 136 | 0.024033 | 0.000834 | 0.281956 | 0.281954 | 0.000011 | 0.281952 | 0.283152 | -28.9 | -26.0 | 0.4 | 1816 | 2815 | -0.97 |