

Table S1. Time of processing, geoenvironmental and climatic information of the sampling locations together with the isotopic composition of hydrogen and oxygen in precipitation.

| Province of the sample collection | Time of proces. | Lat | Log | Altitude | Dist. from the coast | rain $\delta^{18}\text{O}$ | rain $\delta^2\text{H}$ | T | rain | Rel. hum. | Aridity Index |
|-----------------------------------|-----------------|--------|--------|----------|----------------------|----------------------------|-------------------------|-------------|------|-----------|---------------|
| Chtouka ait baha | Apr-2017 | 30.075 | -9.046 | 542 | m km | % ‰ | -3.7 -15 | 21.4 235 | 235 | 47.2 | 7.50 |
| Chtouka ait baha | Nov-2018 | 30.011 | -9.412 | 542 | 28 | -4.8 | -23 | 21.4 235 | 235 | 47.2 | 7.50 |
| Chtouka ait baha | May-2018 | 30.011 | -9.412 | 542 | 29 | -3.9 | -17 | 21.4 235 | 235 | 47.2 | 7.50 |
| Chtouka ait baha | Nov-2018 | 30.528 | -9.333 | 684 | 31 | -4.1 | -18 | 20.6 277 | 277 | 46.2 | 9.06 |
| Chtouka ait baha | Apr-2018 | 30.528 | -9.333 | 684 | 31 | -4.1 | -18 | 20.6 277 | 277 | 46.2 | 9.06 |
| Chtouka ait baha | Nov-2018 | 30.027 | -9.235 | 542 | 42 | -4.7 | -22 | 21.4 235 | 235 | 47.2 | 7.50 |
| Chtouka ait baha | May-2018 | 30.027 | -9.235 | 542 | 42 | -4.7 | -22 | 21.4 235 | 235 | 47.2 | 7.50 |
| Chtouka ait baha | May-2018 | 30.027 | -9.235 | 542 | 43 | -4.7 | -22 | 21.4 235 | 235 | 47.2 | 7.50 |
| Chtouka ait baha | Dec-2018 | 30.093 | -9.157 | 542 | 49 | -4.8 | -23 | 21.4 235 | 235 | 47.2 | 7.50 |
| Chtouka ait baha | May-2018 | 30.093 | -9.157 | 542 | 49 | -4.8 | -23 | 21.4 235 | 235 | 47.2 | 7.50 |
| Essaouira | Nov-2018 | 31.519 | -9.450 | 317 | 26 | -4.4 | -21 | 19.9 297 | 297 | 98.1 | 9.92 |
| Essaouira | Dec-2018 | 31.539 | -9.546 | 139 | 16 | -4.0 | -18 | 19.3 271 | 271 | 100 | 9.23 |
| Essaouira | Nov-2018 | 31.555 | -9.608 | 139 | 11 | -4.0 | -18 | 19.3 271 | 271 | 100 | 9.23 |
| Essaouira | Jan-2019 | 31.536 | -9.457 | 317 | 24 | -4.5 | -21 | 19.9 297 | 297 | 98.1 | 9.92 |
| Essaouira | Dec-2018 | 31.551 | -9.475 | 317 | 24 | -4.4 | -21 | 19.9 297 | 297 | 98.1 | 9.92 |
| Essaouira | Dec-2018 | 31.282 | -9.719 | 310 | 9 | -4.4 | -21 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Dec-2018 | 31.409 | -9.673 | 310 | 15 | -4.4 | -21 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Jan-2019 | 31.282 | -9.719 | 310 | 9 | -4.4 | -21 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Nov-2018 | 31.282 | -9.719 | 310 | 9 | -4.2 | -18 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Dec-2018 | 31.282 | -9.719 | 310 | 9 | -4.2 | -18 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Jan-2019 | 31.282 | -9.719 | 310 | 9 | -4.2 | -18 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Oct-2018 | 31.282 | -9.719 | 310 | 9 | -4.2 | -18 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Dec-2018 | 30.633 | -9.884 | 299 | 2 | -4.2 | -18 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | May-2018 | 31.002 | -9.683 | 310 | 13 | -4.4 | -20 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Jan-2019 | 31.225 | -9.653 | 310 | 17 | -5.2 | -26 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Mar-2018 | 31.225 | -9.653 | 310 | 17 | -5.2 | -26 | 19.6 264 | 264 | 63.3 | 8.93 |
| Essaouira | Jan-2019 | 31.551 | -9.475 | 317 | 23 | -4.4 | -21 | 19.9 297 | 297 | 60.3 | 9.92 |
| Essaouira | Dec-2018 | 31.568 | -9.473 | 317 | 22 | -4.4 | -21 | 19.9 297 | 297 | 60.3 | 9.92 |

| Essaouira | May-2018 | 31.554 | -9.302 | 317 | 38 | -4.8 | -23 | 19.9 | 297 | 60.3 | 9.92 |
|------------|----------|--------|--------|------|-----|------|-----|------|-----|------|-------|
| Essaouira | Mar-2018 | 31.082 | -9.749 | 310 | 8 | -4.4 | -22 | 19.6 | 264 | 63.3 | 8.93 |
| Essaouira | Nov-2018 | 31.277 | -8.894 | 240 | 35 | -4.4 | -21 | 20.8 | 314 | 58.9 | 10.19 |
| Essaouira | Jan-2019 | 31.536 | -9.457 | 317 | 24 | -4.5 | -21 | 19.9 | 297 | 60.3 | 9.92 |
| Essaouira | Dec-2018 | 31.554 | -9.302 | 319 | 24 | -4.5 | -21 | 19.9 | 297 | 60.3 | 9.92 |
| Sidi Ifni | Jan-2019 | 29.195 | -10.13 | 251 | 17 | -3.8 | -16 | 20.9 | 156 | 63.5 | 5.05 |
| Sidi Ifni | Jan-2019 | 29.336 | -9.642 | 536 | 47 | -6.0 | -31 | 21.5 | 163 | 49.7 | 5.15 |
| Sidi Ifni | Apr-2018 | 29.336 | -9.642 | 537 | 47 | -6.0 | -31 | 21.5 | 163 | 49.7 | 5.15 |
| Sidi Ifni | Dec-2018 | 29.195 | -10.13 | 251 | 17 | -3.8 | -16 | 20.9 | 156 | 63.5 | 5.05 |
| Sidi Ifni | Jan-2019 | 29.361 | -9.732 | 536 | 38 | -5.9 | -30 | 21.5 | 163 | 49.7 | 5.15 |
| Sidi Ifni | Apr-2018 | 29.361 | -9.732 | 537 | 38 | -5.8 | -29 | 21.5 | 163 | 49.7 | 5.15 |
| Sidi Ifnl | Dec-2018 | 29.195 | -10.13 | 251 | 20 | -3.8 | -16 | 20.9 | 156 | 63.5 | 5.05 |
| Taroudante | Jan-2019 | 30.754 | -8.515 | 1114 | 124 | -5.8 | -30 | 19.5 | 248 | 39.8 | 8.42 |
| Taroudante | Mar-2018 | 30.754 | -8.515 | 1114 | 124 | -5.8 | -30 | 19.5 | 248 | 39.8 | 8.42 |
| Taroudante | Dec-2018 | 30.379 | -8.694 | 1035 | 87 | -4.7 | -22 | 20.1 | 201 | 39.1 | 6.68 |
| Taroudante | Apr-2018 | 30.379 | -8.694 | 1035 | 87 | -4.7 | -22 | 20.1 | 201 | 39.1 | 6.68 |
| Taroudante | Jan-2019 | 30.705 | -8.886 | 1035 | 80 | -5.9 | -31 | 19.6 | 248 | 39.8 | 8.40 |
| Taroudante | Apr-2018 | 30.705 | -8.886 | 1114 | 85 | -6.9 | -38 | 19.6 | 248 | 39.8 | 8.40 |
| Taroudante | Jan-2019 | 30.304 | -8.487 | 1270 | 109 | -6.3 | -33 | 19.3 | 182 | 36.0 | 6.22 |
| Taroudante | Nov-2018 | 30.304 | -8.487 | 1270 | 109 | -6.3 | -33 | 19.3 | 182 | 36.0 | 6.22 |
| Taroudante | Apr-2018 | 30.304 | -8.487 | 1270 | 109 | -6.3 | -33 | 19.3 | 182 | 36.0 | 6.22 |
| Taroudante | Sep-2018 | 30.304 | -8.487 | 1270 | 109 | -6.3 | -33 | 19.3 | 182 | 36.0 | 6.22 |
| Taroudante | Jan-2019 | 30.379 | -8.694 | 1035 | 87 | -4.7 | -22 | 20.1 | 201 | 39.1 | 6.68 |
| Taroudante | Feb-2018 | 30.379 | -8.694 | 1035 | 87 | -4.7 | -22 | 20.1 | 201 | 39.1 | 6.68 |
| Taroudante | Jan-2019 | 30.506 | -8.609 | 1114 | 100 | -4.4 | -20 | 19.6 | 248 | 39.8 | 8.40 |
| Taroudante | May-2018 | 30.506 | -8.609 | 1114 | 100 | -4.4 | -20 | 19.6 | 248 | 39.8 | 8.40 |
| Taroudante | Dec-2018 | 30.609 | -9.077 | 648 | 59 | -4.3 | -20 | 20.6 | 277 | 46.2 | 9.06 |
| Taroudante | Apr-2018 | 30.609 | -9.077 | 648 | 59 | -4.3 | -20 | 20.6 | 277 | 46.2 | 9.06 |
| Tiznite | Jan-2019 | 30.616 | -9.349 | 309 | 8 | -4.1 | -18 | 19.6 | 264 | 63.3 | 8.93 |
| Tiznite | Apr-2018 | 31.282 | -9.719 | 309 | 8 | -4.1 | -18 | 19.6 | 264 | 63.3 | 8.93 |
| Tiznite | Dec-2018 | 29.631 | -9.389 | 784 | 50 | -4.8 | -22 | 20.8 | 207 | 45.5 | 6.71 |
| Tiznite | Feb-2018 | 29.631 | -9.389 | 784 | 50 | -4.8 | -22 | 20.8 | 207 | 45.5 | 6.71 |
| Tiznite | Mar-2018 | 29.631 | -9.389 | 784 | 49 | -4.8 | -22 | 20.8 | 207 | 45.5 | 6.71 |
| Tiznite | Nov-2018 | 29.631 | -9.389 | 542 | 59 | -3.7 | -15 | 21.4 | 235 | 47.2 | 7.50 |
| Tiznite | Dec-2018 | 29.463 | -9.664 | 536 | 42 | -5.3 | -26 | 21.5 | 163 | 49.7 | 5.15 |
| Tiznite | May-2018 | 29.463 | -9.664 | 536 | 42 | -5.3 | -26 | 21.5 | 163 | 49.7 | 5.15 |

| | | | | | | | | | | | |
|---------|----------|--------|--------|-----|----|------|-----|------|-----|------|------|
| Tiznite | Jan-2019 | 29.601 | -9.906 | 393 | 11 | -4.2 | -18 | 20.6 | 205 | 58.4 | 6.71 |
| Tiznite | Apr-2018 | 29.601 | -9.906 | 393 | 11 | -4.2 | -18 | 20.6 | 205 | 58.4 | 6.71 |

Table S2. Acidity and fatty acid composition (in wt. % of total FA) of argan oils from different sampling locations.

| Reagion of the sample | Acidity | C14:0 | C16:0 | C16:1 | C18:0 | C18:1 | C18:2 | C18:3 | C20:0 | C20:1 | C22:0 | C22:1 | C24:0 | C18:1 T | C18:2 CT | C18:3 CTC | C18:2 CT + C18:3 CTC |
|-----------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----------|-----------|----------------------|
| wt % | | | | | | | | | | | | | | | | | |
| Agadir Idaw Tanane | 0.53 | 0.13 | 12.76 | 0.13 | 5.74 | 48.82 | 31.25 | 0.17 | 0.35 | 0.38 | 0.10 | 0.02 | 0.05 | 0.02 | 0.02 | 0.07 | 0.09 |
| Chtouka ait baha | 0.43 | 0.15 | 14.07 | 0.13 | 6.54 | 47.17 | 30.74 | 0.15 | 0.39 | 0.35 | 0.12 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 |
| Chtouka ait baha | 0.44 | 0.13 | 13.68 | 0.13 | 7.02 | 43.79 | 34.03 | 0.17 | 0.43 | 0.33 | 0.11 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 |
| Chtouka ait baha | 0.49 | 0.13 | 13.16 | 0.12 | 6.81 | 43.20 | 35.32 | 0.17 | 0.43 | 0.34 | 0.14 | 0.01 | 0.07 | 0.02 | 0.03 | 0.06 | 0.09 |
| Chtouka ait baha | 1.41 | 0.16 | 13.38 | 0.11 | 6.48 | 47.06 | 31.58 | 0.17 | 0.40 | 0.35 | 0.12 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.09 |
| Chtouka ait baha | 0.68 | 0.15 | 12.99 | 0.12 | 6.42 | 46.53 | 32.58 | 0.17 | 0.40 | 0.35 | 0.12 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 |
| Chtouka ait baha | 0.71 | 0.14 | 12.74 | 0.12 | 6.13 | 45.88 | 33.83 | 0.17 | 0.37 | 0.35 | 0.11 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.08 |
| Chtouka ait baha | 0.44 | 0.15 | 13.25 | 0.13 | 6.46 | 46.07 | 32.74 | 0.16 | 0.41 | 0.34 | 0.12 | 0.01 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 |
| Chtouka ait baha | 0.48 | 0.14 | 12.74 | 0.11 | 6.43 | 44.07 | 35.26 | 0.17 | 0.40 | 0.34 | 0.13 | 0.02 | 0.06 | 0.02 | 0.03 | 0.06 | 0.09 |
| Chtouka ait baha | 0.32 | 0.14 | 13.17 | 0.12 | 6.61 | 45.43 | 33.35 | 0.17 | 0.40 | 0.33 | 0.11 | 0.01 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 |
| Chtouka ait baha | 0.73 | 0.14 | 12.86 | 0.11 | 6.73 | 43.52 | 35.34 | 0.18 | 0.43 | 0.34 | 0.15 | 0.01 | 0.07 | 0.03 | 0.03 | 0.06 | 0.09 |
| Essaouira | 0.35 | 0.14 | 13.62 | 0.15 | 5.84 | 50.41 | 28.65 | 0.15 | 0.37 | 0.38 | 0.11 | 0.01 | 0.06 | 0.03 | 0.02 | 0.06 | 0.08 |
| Essaouira | 5.45 | 0.13 | 11.98 | 0.11 | 5.74 | 45.44 | 35.37 | 0.17 | 0.38 | 0.37 | 0.13 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.09 |
| Essaouira | 1.15 | 0.12 | 11.50 | 0.12 | 5.80 | 43.40 | 37.92 | 0.18 | 0.34 | 0.34 | 0.10 | 0.01 | 0.04 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 1.46 | 0.15 | 13.27 | 0.08 | 6.51 | 39.46 | 39.32 | 0.20 | 0.38 | 0.36 | 0.09 | 0.01 | 0.04 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.49 | 0.16 | 13.80 | 0.15 | 5.45 | 48.11 | 31.21 | 0.14 | 0.34 | 0.37 | 0.10 | 0.02 | 0.05 | 0.03 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.79 | 0.11 | 12.21 | 0.11 | 5.98 | 46.18 | 34.23 | 0.18 | 0.38 | 0.34 | 0.10 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.09 |
| Essaouira | 3.04 | 0.14 | 12.65 | 0.11 | 5.55 | 48.34 | 32.03 | 0.17 | 0.36 | 0.37 | 0.11 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.88 | 0.14 | 12.45 | 0.11 | 5.62 | 48.85 | 31.66 | 0.16 | 0.35 | 0.39 | 0.11 | 0.02 | 0.05 | 0.03 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.54 | 0.14 | 12.88 | 0.12 | 5.66 | 46.97 | 33.07 | 0.16 | 0.35 | 0.36 | 0.11 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 1.10 | 0.14 | 12.76 | 0.13 | 5.68 | 47.60 | 32.54 | 0.16 | 0.36 | 0.37 | 0.10 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.58 | 0.14 | 12.77 | 0.12 | 6.66 | 44.44 | 34.65 | 0.17 | 0.42 | 0.32 | 0.12 | 0.01 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.60 | 0.14 | 12.95 | 0.13 | 6.12 | 46.33 | 33.08 | 0.17 | 0.40 | 0.37 | 0.13 | 0.02 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.86 | 0.13 | 12.67 | 0.13 | 5.62 | 48.12 | 32.14 | 0.16 | 0.36 | 0.38 | 0.11 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.09 |
| Essaouira | 0.49 | 0.14 | 12.73 | 0.12 | 5.92 | 46.61 | 33.28 | 0.17 | 0.38 | 0.37 | 0.12 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.38 | 0.13 | 12.31 | 0.12 | 5.56 | 46.50 | 34.21 | 0.17 | 0.35 | 0.37 | 0.11 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.08 |
| Essaouira | 0.38 | 0.13 | 12.47 | 0.12 | 5.79 | 46.29 | 34.04 | 0.17 | 0.36 | 0.36 | 0.11 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.09 |
| Essaouira | 0.75 | 0.15 | 12.87 | 0.13 | 5.81 | 48.42 | 31.37 | 0.16 | 0.38 | 0.41 | 0.13 | 0.02 | 0.06 | 0.02 | 0.02 | 0.07 | 0.09 |

| Essaouira | 0.42 | 0.10 | 13.47 | 0.14 | 5.84 | 46.93 | 32.33 | 0.16 | 0.36 | 0.39 | 0.11 | 0.01 | 0.05 | 0.02 | 0.02 | 0.07 | 0.09 | | | |
|------------|------|------|-------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|--|--|--|
| Essaouira | 0.38 | 0.15 | 13.20 | 0.13 | 5.68 | 47.44 | 32.23 | 0.16 | 0.35 | 0.38 | 0.11 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Essaouira | 0.33 | 0.13 | 12.86 | 0.13 | 5.27 | 48.77 | 31.68 | 0.15 | 0.33 | 0.39 | 0.12 | 0.01 | 0.06 | 0.02 | 0.02 | 0.06 | 0.09 | | | |
| Essaouira | 0.36 | 0.16 | 13.08 | 0.12 | 5.82 | 47.13 | 32.53 | 0.16 | 0.36 | 0.38 | 0.10 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Essaouira | 0.26 | 0.12 | 12.57 | 0.12 | 5.81 | 44.96 | 35.25 | 0.18 | 0.37 | 0.33 | 0.11 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Essaouira | 0.39 | 0.14 | 12.71 | 0.12 | 5.65 | 46.92 | 33.26 | 0.16 | 0.35 | 0.38 | 0.12 | 0.01 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Sidi Ifni | 1.07 | 0.14 | 13.82 | 0.14 | 6.82 | 50.78 | 27.07 | 0.14 | 0.43 | 0.36 | 0.12 | 0.01 | 0.07 | 0.02 | 0.02 | 0.07 | 0.09 | | | |
| Sidi Ifni | 0.38 | 0.15 | 14.76 | 0.16 | 7.23 | 47.81 | 28.63 | 0.14 | 0.48 | 0.32 | 0.13 | 0.01 | 0.08 | 0.02 | 0.02 | 0.06 | 0.09 | | | |
| Sidi Ifni | 0.55 | 0.14 | 13.64 | 0.16 | 6.45 | 48.74 | 29.64 | 0.15 | 0.43 | 0.34 | 0.14 | 0.01 | 0.07 | 0.03 | 0.02 | 0.06 | 0.08 | | | |
| Sidi Ifni | 0.54 | 0.14 | 13.83 | 0.16 | 6.62 | 47.57 | 30.48 | 0.15 | 0.43 | 0.32 | 0.12 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Sidi Ifni | 0.49 | 0.15 | 12.54 | 0.12 | 6.83 | 44.49 | 34.62 | 0.17 | 0.43 | 0.32 | 0.14 | 0.01 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Sidi Ifni | 0.22 | 0.14 | 13.55 | 0.16 | 6.53 | 46.50 | 31.88 | 0.15 | 0.45 | 0.32 | 0.14 | 0.01 | 0.07 | 0.03 | 0.02 | 0.06 | 0.08 | | | |
| Sidi Ifnl | 0.42 | 0.14 | 14.21 | 0.14 | 6.90 | 47.74 | 29.52 | 0.15 | 0.49 | 0.36 | 0.16 | 0.01 | 0.09 | 0.03 | 0.02 | 0.06 | 0.09 | | | |
| Taroudante | 0.32 | 0.14 | 13.36 | 0.13 | 5.36 | 50.72 | 29.20 | 0.15 | 0.31 | 0.37 | 0.09 | 0.02 | 0.05 | 0.03 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 0.47 | 0.14 | 12.61 | 0.12 | 5.74 | 46.07 | 34.13 | 0.17 | 0.36 | 0.38 | 0.12 | 0.02 | 0.06 | 0.03 | 0.02 | 0.06 | 0.09 | | | |
| Taroudante | 0.94 | 0.15 | 13.51 | 0.14 | 6.65 | 46.38 | 31.95 | 0.15 | 0.43 | 0.31 | 0.13 | 0.01 | 0.07 | 0.03 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 0.87 | 0.14 | 12.67 | 0.12 | 6.88 | 44.31 | 34.65 | 0.17 | 0.43 | 0.32 | 0.13 | 0.01 | 0.06 | 0.03 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 0.48 | 0.14 | 13.14 | 0.12 | 6.33 | 46.60 | 32.45 | 0.16 | 0.39 | 0.37 | 0.11 | 0.02 | 0.06 | 0.03 | 0.02 | 0.07 | 0.09 | | | |
| Taroudante | 0.72 | 0.15 | 12.48 | 0.10 | 6.29 | 44.22 | 35.46 | 0.17 | 0.40 | 0.38 | 0.15 | 0.02 | 0.07 | 0.03 | 0.03 | 0.06 | 0.09 | | | |
| Taroudante | 0.50 | 0.15 | 12.96 | 0.11 | 6.21 | 46.53 | 32.82 | 0.16 | 0.39 | 0.38 | 0.12 | 0.02 | 0.06 | 0.03 | 0.02 | 0.06 | 0.09 | | | |
| Taroudante | 0.37 | 0.14 | 13.06 | 0.12 | 6.17 | 45.78 | 33.51 | 0.16 | 0.39 | 0.36 | 0.12 | 0.02 | 0.06 | 0.03 | 0.02 | 0.06 | 0.09 | | | |
| Taroudante | 0.32 | 0.13 | 13.15 | 0.12 | 6.37 | 46.47 | 32.55 | 0.15 | 0.41 | 0.35 | 0.12 | 0.02 | 0.06 | 0.03 | 0.02 | 0.06 | 0.09 | | | |
| Taroudante | 0.32 | 0.15 | 14.16 | 0.14 | 5.90 | 46.33 | 32.09 | 0.16 | 0.39 | 0.36 | 0.13 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 0.73 | 0.15 | 13.71 | 0.15 | 6.52 | 48.22 | 30.05 | 0.14 | 0.42 | 0.33 | 0.12 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 0.60 | 0.15 | 13.41 | 0.15 | 6.39 | 47.39 | 31.33 | 0.15 | 0.41 | 0.33 | 0.12 | 0.01 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 0.66 | 0.14 | 13.45 | 0.13 | 5.60 | 48.86 | 30.69 | 0.15 | 0.34 | 0.36 | 0.10 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 0.93 | 0.13 | 12.76 | 0.12 | 5.91 | 45.85 | 33.92 | 0.21 | 0.40 | 0.37 | 0.14 | 0.02 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 0.71 | 0.13 | 12.40 | 0.13 | 6.08 | 45.02 | 35.08 | 0.16 | 0.38 | 0.34 | 0.12 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Taroudante | 6.54 | 0.13 | 12.20 | 0.13 | 6.11 | 44.68 | 35.52 | 0.17 | 0.41 | 0.34 | 0.14 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Tiznite | 0.43 | 0.13 | 12.63 | 0.11 | 5.59 | 48.09 | 32.21 | 0.18 | 0.39 | 0.39 | 0.12 | 0.02 | 0.06 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Tiznite | 0.38 | 0.14 | 12.99 | 0.13 | 6.27 | 46.18 | 33.05 | 0.16 | 0.41 | 0.36 | 0.13 | 0.02 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Tiznite | 0.77 | 0.13 | 13.36 | 0.14 | 6.82 | 45.90 | 32.46 | 0.15 | 0.43 | 0.32 | 0.12 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Tiznite | 0.55 | 0.14 | 13.57 | 0.14 | 6.59 | 46.31 | 31.99 | 0.15 | 0.44 | 0.34 | 0.14 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Tiznite | 1.52 | 0.13 | 13.57 | 0.13 | 6.28 | 47.44 | 31.23 | 0.14 | 0.40 | 0.35 | 0.12 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.09 | | | |
| Tiznite | 0.48 | 0.14 | 15.20 | 0.17 | 6.50 | 47.95 | 28.82 | 0.14 | 0.43 | 0.33 | 0.12 | 0.01 | 0.08 | 0.02 | 0.02 | 0.06 | 0.08 | | | |
| Tiznite | 0.61 | 0.16 | 14.03 | 0.15 | 6.43 | 47.67 | 30.28 | 0.14 | 0.45 | 0.36 | 0.14 | 0.01 | 0.08 | 0.02 | 0.02 | 0.06 | 0.08 | | | |

| | | | | | | | | | | | | | | | | | |
|---------|------|------|-------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| Tiznite | 0.38 | 0.14 | 13.22 | 0.14 | 6.68 | 45.89 | 32.70 | 0.16 | 0.43 | 0.32 | 0.13 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 |
| Tiznite | 0.49 | 0.17 | 14.87 | 0.17 | 6.27 | 48.20 | 29.14 | 0.15 | 0.43 | 0.31 | 0.12 | 0.01 | 0.07 | 0.02 | 0.02 | 0.06 | 0.08 |
| Tiznite | 0.22 | 0.14 | 12.61 | 0.12 | 5.49 | 46.97 | 33.50 | 0.16 | 0.35 | 0.38 | 0.11 | 0.02 | 0.05 | 0.02 | 0.02 | 0.06 | 0.08 |