|  |  |  |  |
| --- | --- | --- | --- |
| **Meas. no./site** | **Sn**  **(wt %)** | **Pb**  **(wt%)** | **Comment** |
| 1 Right ribs | 12.0 ± 1.2 | 3.3 ± 0.4 | Main alloy |
| 6 Crest (left side) | 12.3 ± 0.8 | 3.2 ± 0.4 |
| 8 Right ribs | 10.8 ± 0.8 | 3.3 ± 0.4 |
| 25 Left hind thigh | 11.8 ± 1.4 | 3.2 ± 0.5 |
| 26 Left breast | 11.8 ± 0.8 | 3.5 ± 0.4 |
| 27 Head (left side) | 12.4 ± 0.8 | 3.2 ±0.3 |
| 36 Chest (right side) | 10.6 ± 1.1 | 5.2 ± 0.7 |
| 2 Right forearm | 10.3 ± 1.1 | 9.2 ± 0.9 | Compatible with independent casting with respect to the body of the horse |
| 5 Left forearm | 12.7 ± 1.3 | 8.1 ± 1.1 |
| 3\* Right forehoof | 8.1 ± 0.5 | 15.4 ± 1.4 |
| 4\* Left forepastern | 8.4 ± 0.5 | 14.9 ± 1.6 |
| 9 Tail | 13.3 ± 1.0 | 8.8 ± 0.6 |
| 10 Right point of hock | 13.3 ± 0.8 | 8.5 ± 0.4 |
| 23 Right hind pastern | 14.8 ± 0.9 | 8.0 ± 0.4 |
| 24\* Left hind cannon | 8.5 ± 0.9 | 13.7 ± 1.2 |
| 11 Saddle | 0.2 ± 0.1 | 0.7 ± 0.3 | Pure copper |
| 28 Rein (left side) | 0.4 ± 0.2 | 0.4 ± 0.3 |
| 35 Girth | 0.4 ± 0.1 | 0.3 ± 0.3 |
| 37 Bolt (hind foot) | 0.1 ± 0.1 | 0.2 ± 0.2 |

\* Fe ~0.1–0.2 (wt %)

Table 44.1. LIPS chemical analyses of the horse.

|  |  |  |  |
| --- | --- | --- | --- |
| **Meas N./site** | **Sn**  **(wt %)** | **Pb**  **(wt%)** | **Comment** |
| 17 Head | 9.8 ± 0.7 | 10.9 ± 0.8 | Main alloy of the rider |
| 20 Skirt (broken part) | 10.9 ± 0.7 | 11.4 ± 1.1 |
| 33 Mantle | 10.7 ± 0.6 | 11.4 ± 1.0 |
| 19 Left forearm | 10.5 ± 0.9 | 9.4 ± 1.1 |
| 15 Right calf | 10.5 ± 1.1 | 11.3 ± 1.0 | Although the legs could have been cast independently their composition is similar to that of the main alloy |
| 16 Left foot | 10.4 ± 1.0 | 9.7 ± 0.9 |
| 18 Left calf | 14.1 ± 0.8 | 10.0 ± 0.5 |
| 13 Scabbard | 10.7 ± 0.8 | 9.9 ± 0.9 | Independent with the same composition |
| 14 Right forearm | 7.1 ± 0.4 | 7.8 ± 1.0 | Compatible with independent casting |
| 21 Sword guard | 7.1 ± 0.5 | 7.8 ± 0.5 |
| 34 Sword knob | 7.5±0.7 | 7.6±0.8 |
| 14a Anchoring casting | 7.0 | 7.9 | (SEM-EDX) As the right arm anchored |
| 22 Base | 12.3 ± 1.0 | 7.7 ± 0.6 | Main alloy of the base |
| 30 Base | 11.8 ± 0.9 | 7.0 ± 0.5 |
| 32 Base | 12.0 ± 0.9 | 8.2 ± 0.8 |
| 7 Rudder | 11.8 ± 0.7 | 3.3 ± 0.3 | The same as the main alloy of the horse |
| 38 Rudder | 13.4 ± 1.0 | 3.9 ± 0.5 |

Table 44.2. LIPS chemical analyses of rider and base.