**WTaVCrTi-SPS1850C- Gray regions**

**5. Region**



FW: 150 μm, Mode: 15 kV - Image, WD: 7.0 mm, Detector: BSD Full, Time: 11/16/25 10:42 AM

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** | **Atomic   Conc.   Normd.** | **Weight   Conc.   Normd.** |
|  | 6 | C | Carbon | 20.622 | 3.000 | 0.000 | 0.000 |
|  | 8 | O | Oxygen | 9.288 | 1.800 | 0.000 | 0.000 |
|  | 22 | Ti | Titanium | 6.032 | 3.500 | **8.607** | 3.676 |
|  | 23 | V | Vanadium | 14.910 | 9.200 | **21.273** | 9.664 |
|  | 24 | Cr | Chromium | 16.512 | 10.400 | **23.558** | 10.924 |
|  | 73 | Ta | Tantalum | 16.835 | 36.900 | **24.020** | 38.761 |
|  | 74 | W | Tungsten | 15.800 | 35.200 | **22.543** | 36.975 |



195 316 counts in 0:00:30 (6 468 c/s)

Ignored elements: C, O

**5. Region**



FW: 89 μm, Mode: 15 kV - Image, WD: 6.9 mm, Detector: BSD Full, Time: 11/16/25 10:51 AM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 9.091 | 3.896 |
|  | 23 | V | Vanadium | 21.262 | 9.690 |
|  | 24 | Cr | Chromium | 23.405 | 10.889 |
|  | 73 | Ta | Tantalum | 21.473 | 34.765 |
|  | 74 | W | Tungsten | 24.769 | 40.759 |



202 719 counts in 0:00:30 (6 716 c/s)

**6. Region**



FW: 89 μm, Mode: 15 kV - Image, WD: 6.9 mm, Detector: BSD Full, Time: 11/16/25 10:51 AM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 11.442 | 5.100 |
|  | 23 | V | Vanadium | 22.362 | 10.600 |
|  | 24 | Cr | Chromium | 23.146 | 11.200 |
|  | 73 | Ta | Tantalum | 20.846 | 35.100 |
|  | 74 | W | Tungsten | 22.204 | 38.000 |



199 567 counts in 0:00:30 (6 608 c/s)

Disabled elements: C, Mg, Ca, Zn, P

**7. Region**



FW: 89 μm, Mode: 15 kV - Image, WD: 6.9 mm, Detector: BSD Full, Time: 11/16/25 10:51 AM

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** | **Atomic   Conc.   Normd.** | **Weight   Conc.   Normd.** |
|  | 6 | C | Carbon | 19.993 | 2.803 | 0.000 | 0.000 |
|  | 8 | O | Oxygen | 8.040 | 1.502 | 0.000 | 0.000 |
|  | 22 | Ti | Titanium | 6.087 | 3.403 | **8.458** | 3.556 |
|  | 23 | V | Vanadium | 15.319 | 9.109 | **21.287** | 9.519 |
|  | 24 | Cr | Chromium | 16.162 | 9.810 | **22.457** | 10.251 |
|  | 73 | Ta | Tantalum | 13.791 | 29.129 | **19.163** | 30.439 |
|  | 74 | W | Tungsten | 20.609 | 44.244 | **28.636** | 46.234 |



204 511 counts in 0:00:30 (6 801 c/s)

Ignored elements: C, O

**3. Spot**



FW: 47 μm, Mode: 15 kV - Image, WD: 6.9 mm, Detector: BSD Full, Time: 11/16/25 10:56 AM

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** | **Atomic   Conc.   Normd.** | **Weight   Conc.   Normd.** |
|  | 6 | C | Carbon | 39.530 | 7.200 | 0.000 | 0.000 |
|  | 8 | O | Oxygen | 6.594 | 1.600 | 0.000 | 0.000 |
|  | 22 | Ti | Titanium | 4.680 | 3.400 | **8.687** | 3.728 |
|  | 23 | V | Vanadium | 12.297 | 9.500 | **22.825** | 10.417 |
|  | 24 | Cr | Chromium | 12.047 | 9.500 | **22.360** | 10.417 |
|  | 73 | Ta | Tantalum | 11.479 | 31.500 | **21.306** | 34.539 |
|  | 74 | W | Tungsten | 13.373 | 37.300 | **24.822** | 40.899 |



204 718 counts in 0:00:30 (6 781 c/s)

Ignored elements: C, O

**3. Spot**



FW: 65 μm, Mode: 15 kV - Image, WD: 6.9 mm, Detector: SED, Time: 11/16/25 11:01 AM

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** | **Atomic   Conc.   Normd.** | **Weight   Conc.   Normd.** |
|  | 6 | C | Carbon | 36.040 | 6.206 | 0.000 | 0.000 |
|  | 8 | O | Oxygen | 7.854 | 1.802 | 0.000 | 0.000 |
|  | 22 | Ti | Titanium | 4.081 | 2.803 | **7.274** | 3.047 |
|  | 23 | V | Vanadium | 12.883 | 9.409 | **22.961** | 10.229 |
|  | 24 | Cr | Chromium | 12.083 | 9.009 | **21.536** | 9.793 |
|  | 73 | Ta | Tantalum | 13.812 | 35.836 | **24.618** | 38.955 |
|  | 74 | W | Tungsten | 13.247 | 34.935 | **23.611** | 37.976 |



209 825 counts in 0:00:30 (6 958 c/s)

Ignored elements: C, O