**10- W0.40Ta0.40Cr0.10Ti0.10 – HIP fast cooling – 1100C 6 weeks – Main Regions (BCC)**

**1. Spot**



FW: 80 μm, Mode: 15 kV - Image, WD: 7.5 mm, Detector: BSD Full, Time: 10/30/24 1:55 PM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 8.009 | 2.400 |
|  | 24 | Cr | Chromium | 9.222 | 3.000 |
|  | 73 | Ta | Tantalum | 34.011 | 38.500 |
|  | 74 | W | Tungsten | 48.758 | 56.100 |



146 953 counts in 0:00:20 (7 297 c/s)

Disabled elements: Cs, Ho, Nb, Yb, Tm, Er, Eu, La, C, O

**2. Spot**



FW: 80 μm, Mode: 15 kV - Image, WD: 7.5 mm, Detector: BSD Full, Time: 10/30/24 1:55 PM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 7.180 | 2.102 |
|  | 24 | Cr | Chromium | 7.244 | 2.302 |
|  | 73 | Ta | Tantalum | 33.397 | 36.937 |
|  | 74 | W | Tungsten | 52.180 | 58.659 |



147 439 counts in 0:00:20 (7 297 c/s)

Disabled elements: Cs, Ho, Nb, Yb, Tm, Er, Eu, La, C, O

**3. Region**



FW: 45 μm, Mode: 15 kV - Image, WD: 7.5 mm, Detector: BSD Full, Time: 10/30/24 2:00 PM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 6.493 | 1.898 |
|  | 24 | Cr | Chromium | 7.869 | 2.498 |
|  | 73 | Ta | Tantalum | 29.037 | 32.068 |
|  | 74 | W | Tungsten | 56.601 | 63.536 |



147 687 counts in 0:00:20 (7 339 c/s)

Disabled elements: Cs, Ho, Nb, Yb, Tm, Er, Eu, La, C, O

**4. Region**



FW: 45 μm, Mode: 15 kV - Image, WD: 7.5 mm, Detector: BSD Full, Time: 10/30/24 2:00 PM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 7.376 | 2.198 |
|  | 24 | Cr | Chromium | 9.265 | 2.997 |
|  | 73 | Ta | Tantalum | 30.796 | 34.665 |
|  | 74 | W | Tungsten | 52.564 | 60.140 |



144 476 counts in 0:00:20 (7 158 c/s)

Disabled elements: Cs, Ho, Nb, Yb, Tm, Er, Eu, La, C, O

**5. Spot**



FW: 94 μm, Mode: 15 kV - Image, WD: 7.5 mm, Detector: BSD Full, Time: 10/30/24 2:07 PM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 7.800 | 2.302 |
|  | 24 | Cr | Chromium | 7.810 | 2.503 |
|  | 73 | Ta | Tantalum | 24.508 | 27.327 |
|  | 74 | W | Tungsten | 59.883 | 67.868 |



149 181 counts in 0:00:20 (7 405 c/s)

Disabled elements: Cs, Ho, Nb, Yb, Tm, Er, Eu, La, C, O

**6. Spot**



FW: 94 μm, Mode: 15 kV - Image, WD: 7.5 mm, Detector: BSD Full, Time: 10/30/24 2:07 PM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 6.220 | 1.802 |
|  | 24 | Cr | Chromium | 7.003 | 2.202 |
|  | 73 | Ta | Tantalum | 29.271 | 32.032 |
|  | 74 | W | Tungsten | 57.507 | 63.964 |



148 348 counts in 0:00:20 (7 345 c/s)

Disabled elements: Cs, Ho, Nb, Yb, Tm, Er, Eu, La, C, O

**7. Region**



FW: 94 μm, Mode: 15 kV - Image, WD: 7.5 mm, Detector: BSD Full, Time: 10/30/24 2:07 PM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Element   Number** | **Element   Symbol** | **Element   Name** | **Atomic   Conc.** | **Weight   Conc.** |
|  | 22 | Ti | Titanium | 6.811 | 2.000 |
|  | 24 | Cr | Chromium | 8.156 | 2.600 |
|  | 73 | Ta | Tantalum | 25.873 | 28.700 |
|  | 74 | W | Tungsten | 59.159 | 66.700 |



148 154 counts in 0:00:20 (7 344 c/s)

Disabled elements: Cs, Ho, Nb, Yb, Tm, Er, Eu, La, C, O