12/11/2021 13:42:49

20211112EDX

Click here to enter text.

Project Notes

Specimen 9

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Specimen Notes for 'Specimen 9'

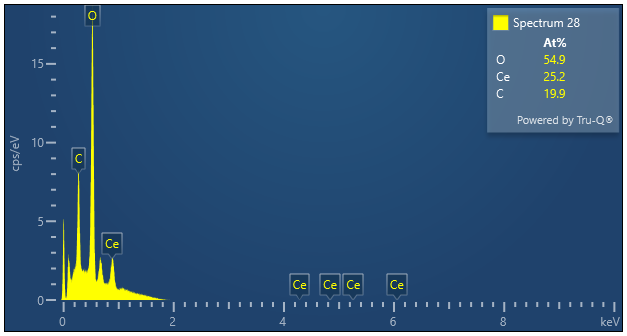
Site 4

Click here to enter text.

Site Notes for 'Site 4'



|  |  |
| --- | --- |
| Label: | Electron Image 27 |
| Collected: | 12/11/2021 13:42:45 |
| Input Signal: | SE |
| Resolution (Width): | 1024 pixels |
| Resolution (Height): | 768 pixels |
| Pixel Size: | 0.05855 µm |
| Image Width: | 60μm |
| Image Height: | 45μm |
| Accelerating Voltage: | 2.00kV |
| Magnification: | 2000 x |
| Working Distance: | 7.0mm |
| Stage X: | 5.940mm |
| Stage Y: | -0.742mm |
| Stage Z: | 7.463mm |
| Stage Tilt Degrees: | 0.00° |
| Specimen Tilt Degrees: | 0.00° |
| Software Tilt Correction: | Not applied |
| Stage Rotate: | 0.0° |
| Number of Averaged Frames: | 1 |
| Dwell Time: | 1μs |



|  |  |
| --- | --- |
| Label: | Spectrum 28 |
| Source: | Acquired |
| Created: | 12/11/2021 13:42:49 |
| Livetime: | 99.9s |
| Process Time: | 6 |
| Accelerating Voltage: | 2.00kV |
| Magnification: | 2000 x |
| Working Distance: | 7.0mm |
| Stage X: | 5.940mm |
| Stage Y: | -0.7mm |
| Stage Z: | 7.5mm |
| Stage Tilt: | 0.00° |
| Specimen Tilt (degrees): | 0.00 |
| Stage Rotate: | 0.0° |
| Elevation (degrees): | 21.0 |
| Azimuth (degrees): | 0.0 |
| Number Of Channels: | 4096 |
| Energy Range (keV): | 10 keV |
| Energy per Channel (eV): | 2.5eV |
| Detector Type: | Ultim Extreme |
| Detector Type Id: | 64 |
| Window Type: | None |
| Pulse Pile Up Correction: | Succeeded |
| Primary Detector: | Extreme |
| Primary Detector Serial Number: | UVA9045 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Spectrum 28** |  |  |  |  |
| Element | Line Type | Wt% | Wt% Sigma | Atomic % |
| C | K series | 5.13 | 0.11 | 19.88 |
| O | K series | 18.89 | 0.32 | 54.90 |
| Ce | M series | 75.98 | 0.40 | 25.22 |
| Total: |  | 100.00 |  | 100.00 |