

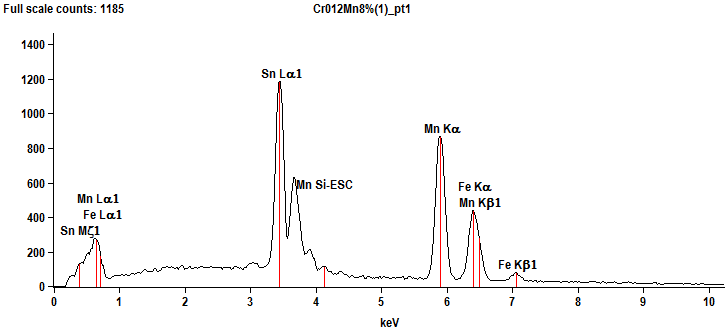
Image Name: Cr012Mn8%(1)

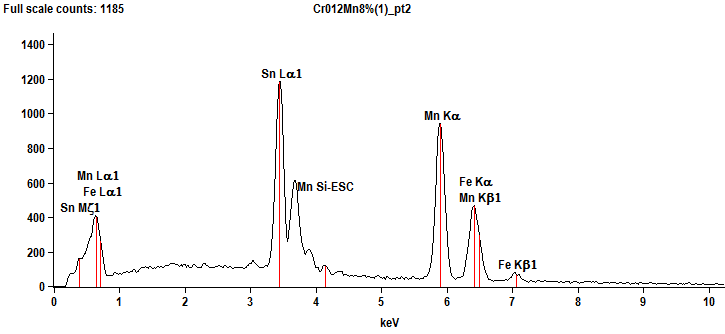
Image Resolution: 1024 by 812

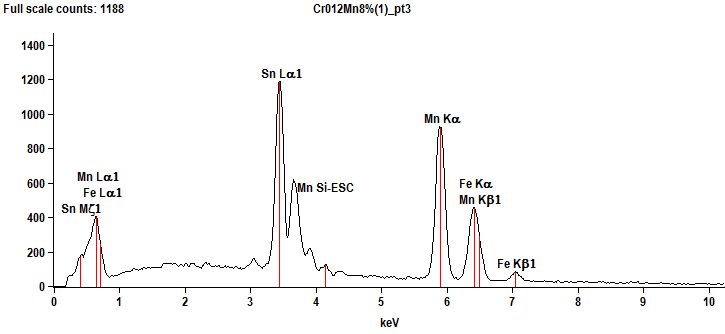
Image Pixel Size: 0.02 µm

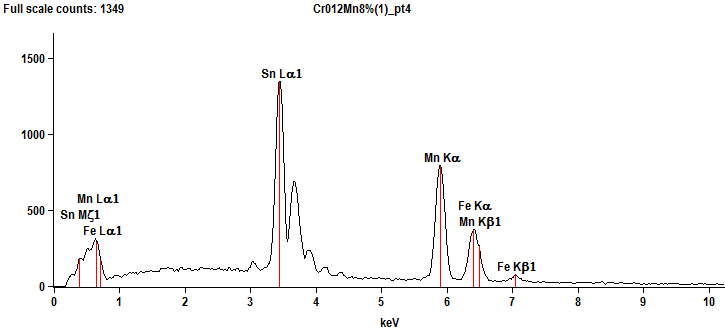
Acc. Voltage: 15.0 kV

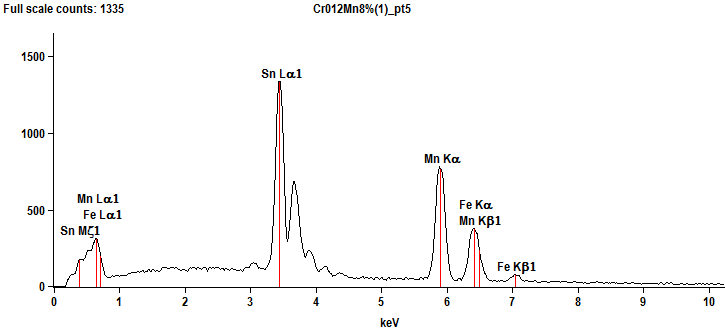
Magnification: 5000

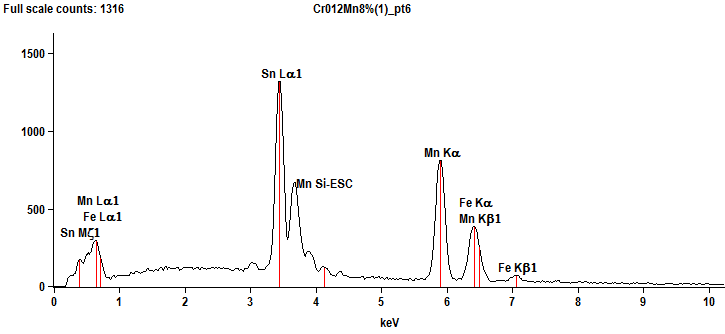












Net Counts

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Mn-K*** | ***Fe-K*** | ***Sn-L*** |
| ***Cr012Mn8%(1)\_pt1*** | 14859 | 6436 | 25780 |
| ***Cr012Mn8%(1)\_pt2*** | 15290 | 6663 | 24790 |
| ***Cr012Mn8%(1)\_pt3*** | 15444 | 7273 | 24574 |
| ***Cr012Mn8%(1)\_pt4*** | 13125 | 5288 | 28299 |
| ***Cr012Mn8%(1)\_pt5*** | 13364 | 5268 | 28803 |
| ***Cr012Mn8%(1)\_pt6*** | 13471 | 5656 | 28548 |

Net Counts Error (+/- 1 Sigma)

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Mn-K*** | ***Fe-K*** | ***Sn-L*** |
| ***Cr012Mn8%(1)\_pt1*** | ±276 | ±244 | ±497 |
| ***Cr012Mn8%(1)\_pt2*** | ±281 | ±249 | ±494 |
| ***Cr012Mn8%(1)\_pt3*** | ±272 | ±153 | ±491 |
| ***Cr012Mn8%(1)\_pt4*** | ±264 | ±226 | ±501 |
| ***Cr012Mn8%(1)\_pt5*** | ±265 | ±230 | ±509 |
| ***Cr012Mn8%(1)\_pt6*** | ±273 | ±240 | ±523 |

K-Ratio

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Mn-K*** | ***Fe-K*** | ***Sn-L*** |
| ***Cr012Mn8%(1)\_pt1*** | 0.402 | 0.199 | 0.399 |
| ***Cr012Mn8%(1)\_pt2*** | 0.412 | 0.206 | 0.382 |
| ***Cr012Mn8%(1)\_pt3*** | 0.408 | 0.220 | 0.372 |
| ***Cr012Mn8%(1)\_pt4*** | 0.371 | 0.171 | 0.458 |
| ***Cr012Mn8%(1)\_pt5*** | 0.372 | 0.168 | 0.459 |
| ***Cr012Mn8%(1)\_pt6*** | 0.371 | 0.179 | 0.450 |

K-Ratio Error (+/- 1 Sigma)

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Mn-K*** | ***Fe-K*** | ***Sn-L*** |
| ***Cr012Mn8%(1)\_pt1*** | ±0.007 | ±0.008 | ±0.008 |
| ***Cr012Mn8%(1)\_pt2*** | ±0.008 | ±0.008 | ±0.008 |
| ***Cr012Mn8%(1)\_pt3*** | ±0.007 | ±0.005 | ±0.007 |
| ***Cr012Mn8%(1)\_pt4*** | ±0.007 | ±0.007 | ±0.008 |
| ***Cr012Mn8%(1)\_pt5*** | ±0.007 | ±0.007 | ±0.008 |
| ***Cr012Mn8%(1)\_pt6*** | ±0.008 | ±0.008 | ±0.008 |

Weight %

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Mn-K*** | ***Fe-K*** | ***Sn-L*** |
| ***Cr012Mn8%(1)\_pt1*** | 39.03 | 18.72 | 42.25 |
| ***Cr012Mn8%(1)\_pt2*** | 40.07 | 19.34 | 40.58 |
| ***Cr012Mn8%(1)\_pt3*** | 39.74 | 20.73 | 39.53 |
| ***Cr012Mn8%(1)\_pt4*** | 35.91 | 15.98 | 48.11 |
| ***Cr012Mn8%(1)\_pt5*** | 36.04 | 15.70 | 48.26 |
| ***Cr012Mn8%(1)\_pt6*** | 35.95 | 16.68 | 47.37 |

Weight % Error (+/- 1 Sigma)

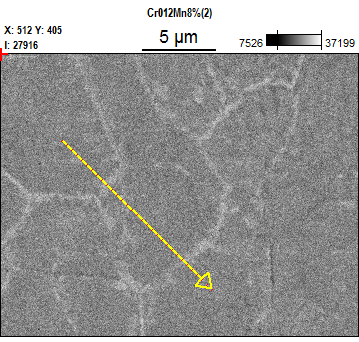
|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Mn-K*** | ***Fe-K*** | ***Sn-L*** |
| ***Cr012Mn8%(1)\_pt1*** | ±0.72 | ±0.71 | ±0.81 |
| ***Cr012Mn8%(1)\_pt2*** | ±0.74 | ±0.72 | ±0.81 |
| ***Cr012Mn8%(1)\_pt3*** | ±0.70 | ±0.44 | ±0.79 |
| ***Cr012Mn8%(1)\_pt4*** | ±0.72 | ±0.68 | ±0.85 |
| ***Cr012Mn8%(1)\_pt5*** | ±0.71 | ±0.69 | ±0.85 |
| ***Cr012Mn8%(1)\_pt6*** | ±0.73 | ±0.71 | ±0.87 |

Atom %

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Mn-K*** | ***Fe-K*** | ***Sn-L*** |
| ***Cr012Mn8%(1)\_pt1*** | 50.69 | 23.91 | 25.40 |
| ***Cr012Mn8%(1)\_pt2*** | 51.45 | 24.43 | 24.12 |
| ***Cr012Mn8%(1)\_pt3*** | 50.66 | 26.01 | 23.33 |
| ***Cr012Mn8%(1)\_pt4*** | 48.59 | 21.28 | 30.13 |
| ***Cr012Mn8%(1)\_pt5*** | 48.82 | 20.92 | 30.26 |
| ***Cr012Mn8%(1)\_pt6*** | 48.39 | 22.09 | 29.51 |

Atom % Error (+/- 1 Sigma)

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Mn-K*** | ***Fe-K*** | ***Sn-L*** |
| ***Cr012Mn8%(1)\_pt1*** | ±0.94 | ±0.91 | ±0.49 |
| ***Cr012Mn8%(1)\_pt2*** | ±0.95 | ±0.91 | ±0.48 |
| ***Cr012Mn8%(1)\_pt3*** | ±0.89 | ±0.55 | ±0.47 |
| ***Cr012Mn8%(1)\_pt4*** | ±0.98 | ±0.91 | ±0.53 |
| ***Cr012Mn8%(1)\_pt5*** | ±0.97 | ±0.91 | ±0.53 |
| ***Cr012Mn8%(1)\_pt6*** | ±0.98 | ±0.94 | ±0.54 |



Accelerating Voltage: 15.0 kV

Magnification: 5000

