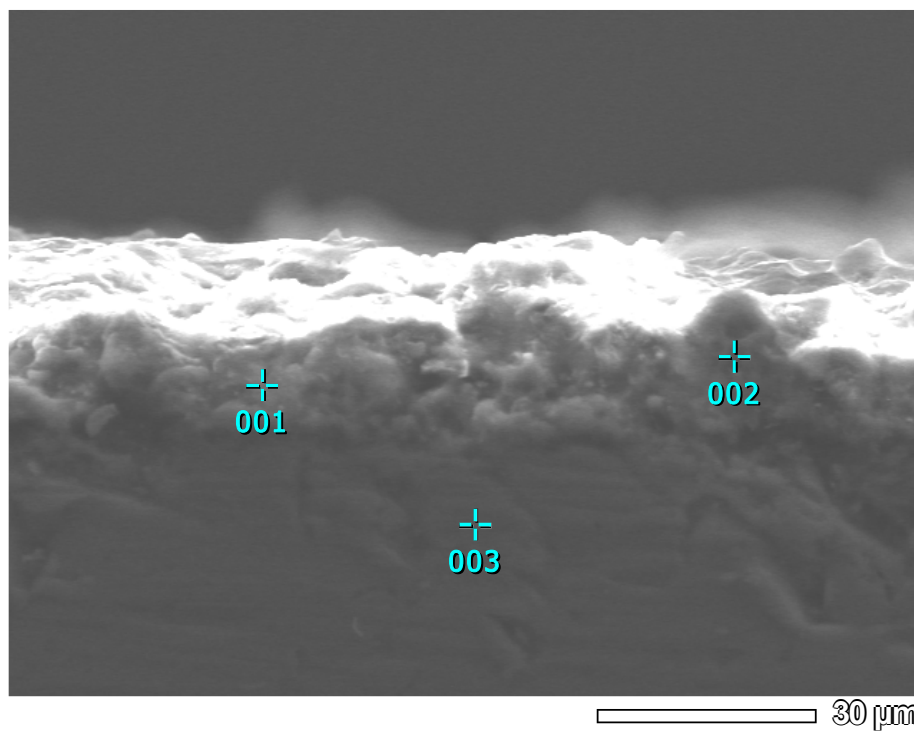
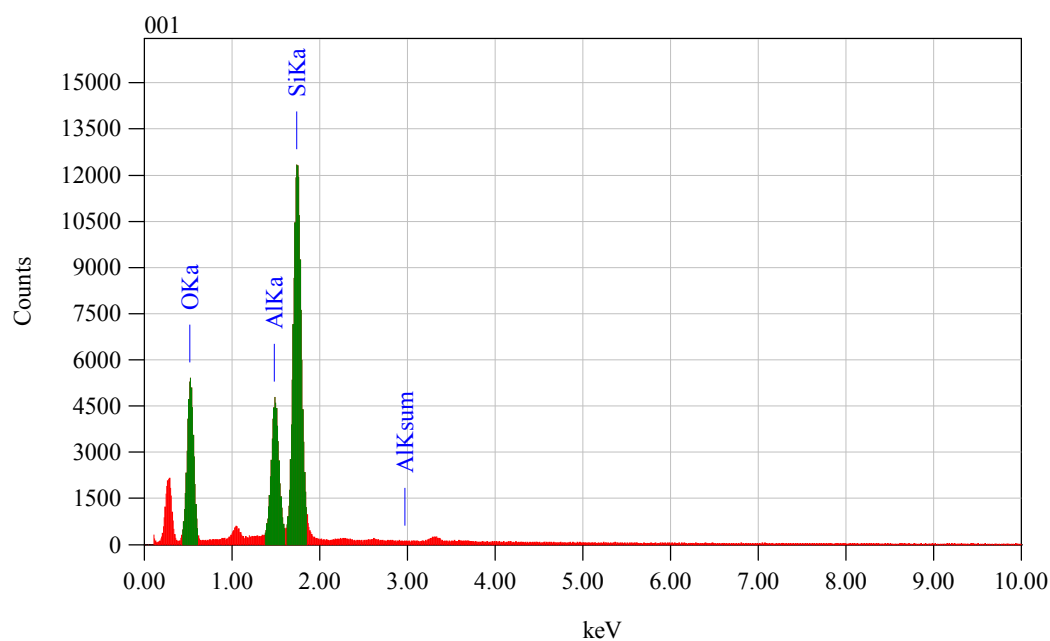




|            |              |
|------------|--------------|
| Title      | : IMG2       |
| -----      |              |
| Instrument | :            |
| Volt       | : 20.00 kV   |
| Mag.       | : x 1,000    |
| Date       | : 2015/02/04 |
| Pixel      | : 640 x 480  |

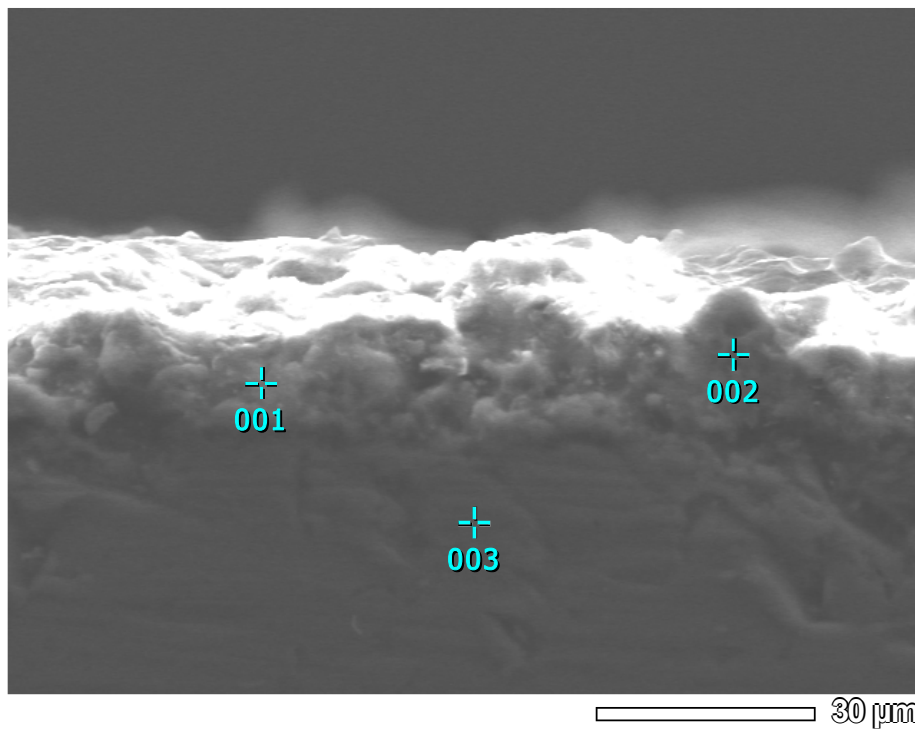


|                       |              |
|-----------------------|--------------|
| Acquisition Parameter |              |
| Instrument            | : 6390 (LA)  |
| Acc. Voltage          | : 20.0 kV    |
| Probe Current         | : 1.00000 nA |
| PHA mode              | : T2         |
| Real Time             | : 51.00 sec  |
| Live Time             | : 45.00 sec  |
| Dead Time             | : 11 %       |
| Counting Rate         | : 8597 cps   |
| Energy Range          | : 0 - 20 keV |

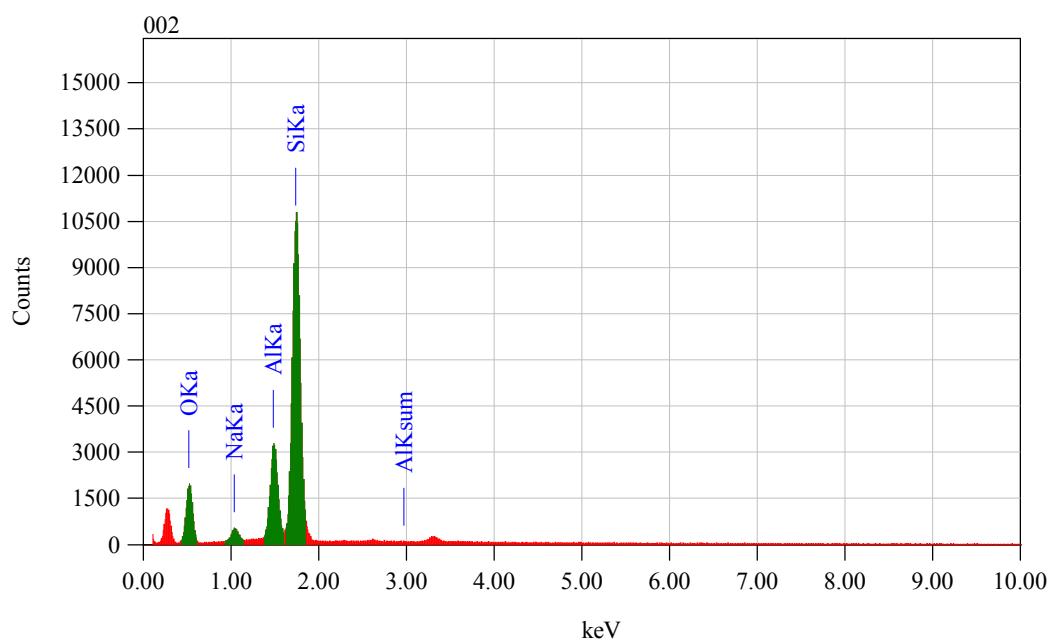
## ZAF Method Standardless Quantitative Analysis

Fitting Coefficient : 0.3822

| Element | (keV) | Mass%  | Error% | Atom%  | Compound | Mass% | Cation | K       |
|---------|-------|--------|--------|--------|----------|-------|--------|---------|
| O K     | 0.525 | 55.31  | 0.62   | 68.24  |          |       |        | 59.3145 |
| Al K    | 1.486 | 11.90  | 0.29   | 8.71   |          |       |        | 8.1645  |
| Si K    | 1.739 | 32.79  | 0.32   | 23.05  |          |       |        | 22.4755 |
| Total   |       | 100.00 |        | 100.00 |          |       |        |         |



|            |              |
|------------|--------------|
| Title      | : IMG2       |
| Instrument | :            |
| Volt       | : 20.00 kV   |
| Mag.       | : x 1,000    |
| Date       | : 2015/02/04 |
| Pixel      | : 640 x 480  |

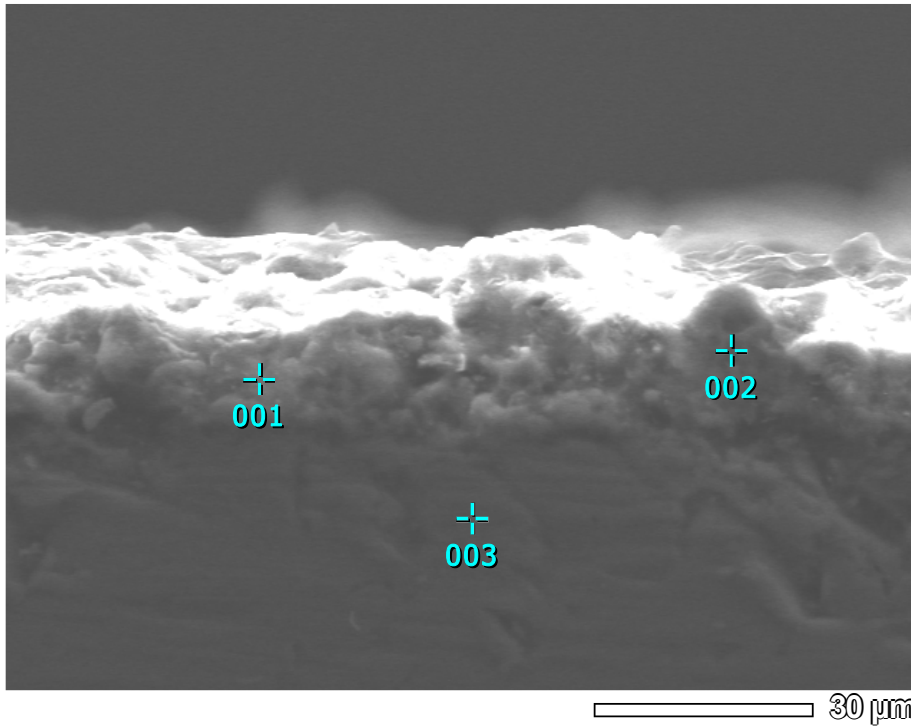


|                       |              |
|-----------------------|--------------|
| Acquisition Parameter |              |
| Instrument            | : 6390 (LA)  |
| Acc. Voltage          | : 20.0 kV    |
| Probe Current         | : 1.00000 nA |
| PHA mode              | : T2         |
| Real Time             | : 49.82 sec  |
| Live Time             | : 45.00 sec  |
| Dead Time             | : 9 %        |
| Counting Rate         | : 7157 cps   |
| Energy Range          | : 0 - 20 keV |

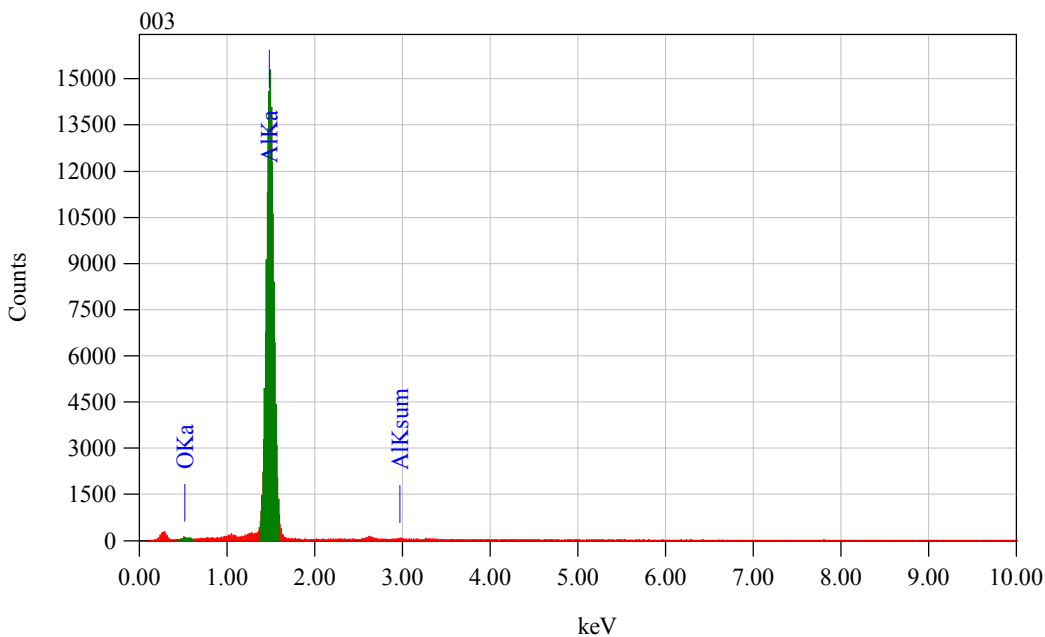
## ZAF Method Standardless Quantitative Analysis

Fitting Coefficient : 0.3735

| Element | (keV) | Mass%  | Error% | Atom%  | Compound | Mass% | Cation | K       |
|---------|-------|--------|--------|--------|----------|-------|--------|---------|
| O K     | 0.525 | 39.54  | 0.89   | 52.96  |          |       |        | 41.4433 |
| Na K*   | 1.041 | 2.97   | 0.53   | 2.77   |          |       |        | 2.6319  |
| Al K    | 1.486 | 12.74  | 0.33   | 10.12  |          |       |        | 10.8631 |
| Si K    | 1.739 | 44.76  | 0.37   | 34.15  |          |       |        | 37.0650 |
| Total   |       | 100.00 |        | 100.00 |          |       |        |         |



|            |              |
|------------|--------------|
| Title      | : IMG2       |
| Instrument | :            |
| Volt       | : 20.00 kV   |
| Mag.       | : x 1,000    |
| Date       | : 2015/02/04 |
| Pixel      | : 640 x 480  |



|                       |              |
|-----------------------|--------------|
| Acquisition Parameter |              |
| Instrument            | : 6390 (LA)  |
| Acc. Voltage          | : 20.0 kV    |
| Probe Current         | : 1.00000 nA |
| PHA mode              | : T2         |
| Real Time             | : 16.38 sec  |
| Live Time             | : 13.00 sec  |
| Dead Time             | : 19 %       |
| Counting Rate         | : 15296 cps  |
| Energy Range          | : 0 - 20 keV |

#### ZAF Method Standardless Quantitative Analysis

Fitting Coefficient : 0.3702

| Element | (keV) | Mass%  | Error% | Atom%  | Compound | Mass% | Cation | K       |
|---------|-------|--------|--------|--------|----------|-------|--------|---------|
| O K     | 0.525 | 3.18   | 3.22   | 5.26   |          |       |        | 2.4644  |
| Al K    | 1.486 | 96.82  | 0.76   | 94.74  |          |       |        | 94.2467 |
| Total   |       | 100.00 |        | 100.00 |          |       |        |         |