WB slag

Sample Name:

9/4/2025 2:13:55 PM

Creation:

IIT Indore SIC

Author:

**Mahaveer**

**EDAX APEX**

**Mahaveer**

**EDAX APEX**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **eZAF Quant Result - Analysis Uncertainty: 8.67 %** | | | | | | | | |
| **Element** | **Weight %** | **MDL** | **Atomic %** | **Error %** | **Net Int.** | **R** | **A** | **F** |
| O K | 37.1 | 1.39 | 64.3 | 9.3 | 60.4 | 0.8670 | 0.3949 | 1.0000 |
| Mg K | 2.3 | 0.42 | 2.6 | 22.5 | 4.1 | 0.8898 | 0.3652 | 1.0035 |
| Al K | 2.2 | 0.41 | 2.3 | 21.5 | 4.7 | 0.8950 | 0.4870 | 1.0054 |
| Si K | 3.1 | 0.41 | 3.1 | 16.6 | 7.9 | 0.9000 | 0.5991 | 1.0074 |
| Ca K | 1.4 | 0.8 | 1.0 | 41.2 | 2.0 | 0.9268 | 0.9320 | 1.0872 |
| Fe K | 53.9 | 3.58 | 26.7 | 6.0 | 29.5 | 0.9531 | 0.9864 | 1.0292 |

WB slag

Sample Name:

9/4/2025 2:15:01 PM

Creation:

IIT Indore SIC

Author:

**Mahaveer**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **eZAF Quant Result - Analysis Uncertainty: 9.26 %** | | | | | | | | |
| **Element** | **Weight %** | **MDL** | **Atomic %** | **Error %** | **Net Int.** | **R** | **A** | **F** |
| O K | 44.3 | 0.97 | 68.5 | 10.1 | 62.1 | 0.8819 | 0.3149 | 1.0000 |
| Mg K | 0.7 | 0.25 | 0.7 | 68.9 | 1.4 | 0.9032 | 0.4077 | 1.0044 |
| Al K | 5.8 | 0.26 | 5.3 | 11.3 | 14.9 | 0.9080 | 0.5386 | 1.0059 |
| Si K | 5.5 | 0.22 | 4.8 | 11.3 | 15.4 | 0.9126 | 0.6285 | 1.0070 |
| Ca K | 7.4 | 0.56 | 4.6 | 13.5 | 11.2 | 0.9371 | 0.9362 | 1.0561 |
| Fe K | 36.5 | 2.94 | 16.2 | 6.0 | 21.5 | 0.9604 | 0.9837 | 1.0331 |

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Sample Name:

9/4/2025 2:16:08 PM

Creation:

IIT Indore SIC

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **eZAF Quant Result - Analysis Uncertainty: 9.51 %** | | | | | | | | |
| **Element** | **Weight %** | **MDL** | **Atomic %** | **Error %** | **Net Int.** | **R** | **A** | **F** |
| O K | 37.6 | 1.69 | 62.0 | 10.1 | 46.1 | 0.8753 | 0.3391 | 1.0000 |
| Mg K | 0.4 | 0.48 | 0.4 | 75.2 | 0.6 | 0.8974 | 0.4003 | 1.0048 |
| Al K | 7.7 | 0.54 | 7.6 | 11.4 | 16.0 | 0.9023 | 0.5317 | 1.0061 |
| Si K | 8.0 | 0.41 | 7.5 | 10.2 | 17.9 | 0.9071 | 0.6132 | 1.0065 |
| Ca K | 3.7 | 0.74 | 2.4 | 20.9 | 4.5 | 0.9326 | 0.9289 | 1.0661 |
| Fe K | 42.6 | 1.92 | 20.1 | 7.1 | 20.4 | 0.9573 | 0.9844 | 1.0317 |

WB slag

Sample Name:

9/4/2025 2:17:15 PM

Creation:

IIT Indore SIC

Author:

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **eZAF Quant Result - Analysis Uncertainty: 10.79 %** | | | | | | | | |
| **Element** | **Weight %** | **MDL** | **Atomic %** | **Error %** | **Net Int.** | **R** | **A** | **F** |
| O K | 35.3 | 3.12 | 58.6 | 12.6 | 25.8 | 0.8761 | 0.2442 | 1.0000 |
| Mg K | 0.3 | 0.48 | 0.4 | 76.8 | 0.5 | 0.8981 | 0.4197 | 1.0053 |
| Al K | 5.4 | 0.52 | 5.4 | 13.0 | 9.7 | 0.9030 | 0.5513 | 1.0076 |
| Si K | 11.1 | 0.42 | 10.5 | 9.4 | 21.6 | 0.9077 | 0.6401 | 1.0072 |
| Ca K | 12.9 | 0.72 | 8.5 | 11.7 | 12.9 | 0.9332 | 0.9307 | 1.0445 |
| Fe K | 35.0 | 1.83 | 16.6 | 9.4 | 13.8 | 0.9576 | 0.9791 | 1.0331 |