WB slag

Sample Name:

9/4/2025 2:36:50 PM

Creation:

IIT Indore SIC

Author:

**Mahaveer**

**EDAX APEX**

**Mahaveer**

**EDAX APEX**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **eZAF Quant Result - Analysis Uncertainty: 13.58 %** | | | | | | | | |
| **Element** | **Weight %** | **MDL** | **Atomic %** | **Error %** | **Net Int.** | **R** | **A** | **F** |
| O K | 21.9 | 9.62 | 43.4 | 14.0 | 10.4 | 0.8578 | 0.2557 | 1.0000 |
| Mg K | 0.0 | 0.00 | 0.0 | 100.0 | 0.0 | 0.8814 | 0.3725 | 1.0050 |
| Al K | 7.5 | 0.26 | 8.8 | 15.1 | 7.6 | 0.8868 | 0.5036 | 1.0068 |
| Si K | 8.7 | 0.33 | 9.8 | 12.4 | 9.7 | 0.8919 | 0.5891 | 1.0076 |
| S K | 2.3 | 0.27 | 2.3 | 29.3 | 2.3 | 0.9017 | 0.7388 | 1.0171 |
| Ca K | 7.9 | 0.54 | 6.2 | 20.2 | 4.9 | 0.9201 | 0.9164 | 1.0609 |
| Fe K | 51.7 | 0.9 | 29.4 | 11.7 | 12.7 | 0.9483 | 0.9787 | 1.0295 |

WB slag

Sample Name:

9/4/2025 2:37:57 PM

Creation:

IIT Indore SIC

Author:

**Mahaveer**

**EDAX APEX**

**Mahaveer**

**EDAX APEX**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **eZAF Quant Result - Analysis Uncertainty: 9.26 %** | | | | | | | | |
| **Element** | **Weight %** | **MDL** | **Atomic %** | **Error %** | **Net Int.** | **R** | **A** | **F** |
| O K | 53.8 | 0.76 | 69.5 | 9.3 | 125.8 | 0.9098 | 0.3114 | 1.0000 |
| Mg K | 0.5 | 0.34 | 0.4 | 39.7 | 2.3 | 0.9278 | 0.5197 | 1.0094 |
| Al K | 15.0 | 0.27 | 11.5 | 6.8 | 78.7 | 0.9317 | 0.6472 | 1.0086 |
| Si K | 16.6 | 0.35 | 12.2 | 6.7 | 82.9 | 0.9355 | 0.6623 | 1.0046 |
| S K | 2.8 | 0.31 | 1.8 | 10.7 | 11.5 | 0.9425 | 0.7533 | 1.0084 |
| Ca K | 2.7 | 0.53 | 1.4 | 15.3 | 6.5 | 0.9552 | 0.9238 | 1.0276 |
| Fe K | 8.6 | 1 | 3.2 | 14.3 | 8.7 | 0.9729 | 0.9848 | 1.0542 |

WB slag

Sample Name:

9/4/2025 2:39:04 PM

Creation:

IIT Indore SIC

Author:

**Mahaveer**

**EDAX APEX**

**Mahaveer**

**EDAX APEX**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **eZAF Quant Result - Analysis Uncertainty: 9.83 %** | | | | | | | | |
| **Element** | **Weight %** | **MDL** | **Atomic %** | **Error %** | **Net Int.** | **R** | **A** | **F** |
| O K | 47.7 | 1.12 | 64.4 | 10.1 | 82.2 | 0.9050 | 0.2889 | 1.0000 |
| Mg K | 0.4 | 0.43 | 0.3 | 68.0 | 1.4 | 0.9236 | 0.5189 | 1.0098 |
| Al K | 16.5 | 0.31 | 13.2 | 6.9 | 68.4 | 0.9277 | 0.6464 | 1.0088 |
| Si K | 18.5 | 0.32 | 14.2 | 6.9 | 72.4 | 0.9316 | 0.6539 | 1.0046 |
| S K | 2.6 | 0.32 | 1.8 | 12.3 | 8.2 | 0.9389 | 0.7405 | 1.0089 |
| Ca K | 3.5 | 0.47 | 1.9 | 13.9 | 6.7 | 0.9522 | 0.9195 | 1.0288 |
| Fe K | 10.9 | 1.95 | 4.2 | 14.5 | 8.7 | 0.9709 | 0.9834 | 1.0501 |

WB slag

Sample Name:

9/4/2025 2:40:10 PM

Creation:

IIT Indore SIC

Author:

**Mahaveer**

**EDAX APEX**

**Mahaveer**

**EDAX APEX**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **eZAF Quant Result - Analysis Uncertainty: 11.17 %** | | | | | | | | |
| **Element** | **Weight %** | **MDL** | **Atomic %** | **Error %** | **Net Int.** | **R** | **A** | **F** |
| O K | 43.2 | 1.67 | 62.5 | 10.6 | 41.5 | 0.8948 | 0.2964 | 1.0000 |
| Mg K | 0.4 | 0.54 | 0.4 | 73.9 | 0.7 | 0.9146 | 0.4706 | 1.0077 |
| Al K | 14.7 | 0.41 | 12.6 | 8.6 | 30.9 | 0.9191 | 0.6012 | 1.0075 |
| Si K | 14.8 | 0.59 | 12.2 | 8.7 | 30.5 | 0.9233 | 0.6314 | 1.0052 |
| S K | 1.7 | 0.47 | 1.2 | 22.7 | 2.9 | 0.9312 | 0.7417 | 1.0113 |
| Ca K | 3.8 | 0.78 | 2.2 | 20.9 | 4.0 | 0.9456 | 0.9209 | 1.0408 |
| Fe K | 21.5 | 1.67 | 8.9 | 11.9 | 9.2 | 0.9664 | 0.9832 | 1.0405 |